INTEGRATED
Environmental Services, Inc.

April 9, 1998
Via Hand Delivery and
Federal Express

Rodney Nelson
Program Manager

James E. Ross
Unit Chief, Site Cleanup Unit

113

California Regional Water Quality Control Board
Los Angeles Region
101 Center Plaza Drive
Monterey Park, CA 91754-2156

Subject: Application for Facility Permit/Waste Discharge
Boeing Realty Corporation C-6 Facility

Dear Gentlemen:

On behalf of the Boeing Realty Corporation, Integrated Environmental Services, Inc. is pleased to submit the attached Facility Permit/Waste Discharge application package for your review and approval. The package includes a fully executed Form 200 application sheet and supporting documentation to allow the Bradley Landfill in Sun Valley, California, to use the C-6 facility's excavated soils for daily cover.

As requested, the waste profile sheets are attached (Attachment 3). The same sheets have been sent to the Bradley Landfill. Pending the landfill's approval and the Water Board's issuance of the permit, off-site disposal of the excavated soils will commence.

If you have any questions, or need more information, please contact me directly. Your expedited approval is appreciated.

Sincerely,

Michael Young

Michael Y. Young, Ph.D.
President

Enclosure

CC (w/ encl.): Karen Baker, DTSC-LB
Dr. Deborah Oudiz, DTSC-Sac
S. Mario Stavale, Boeing

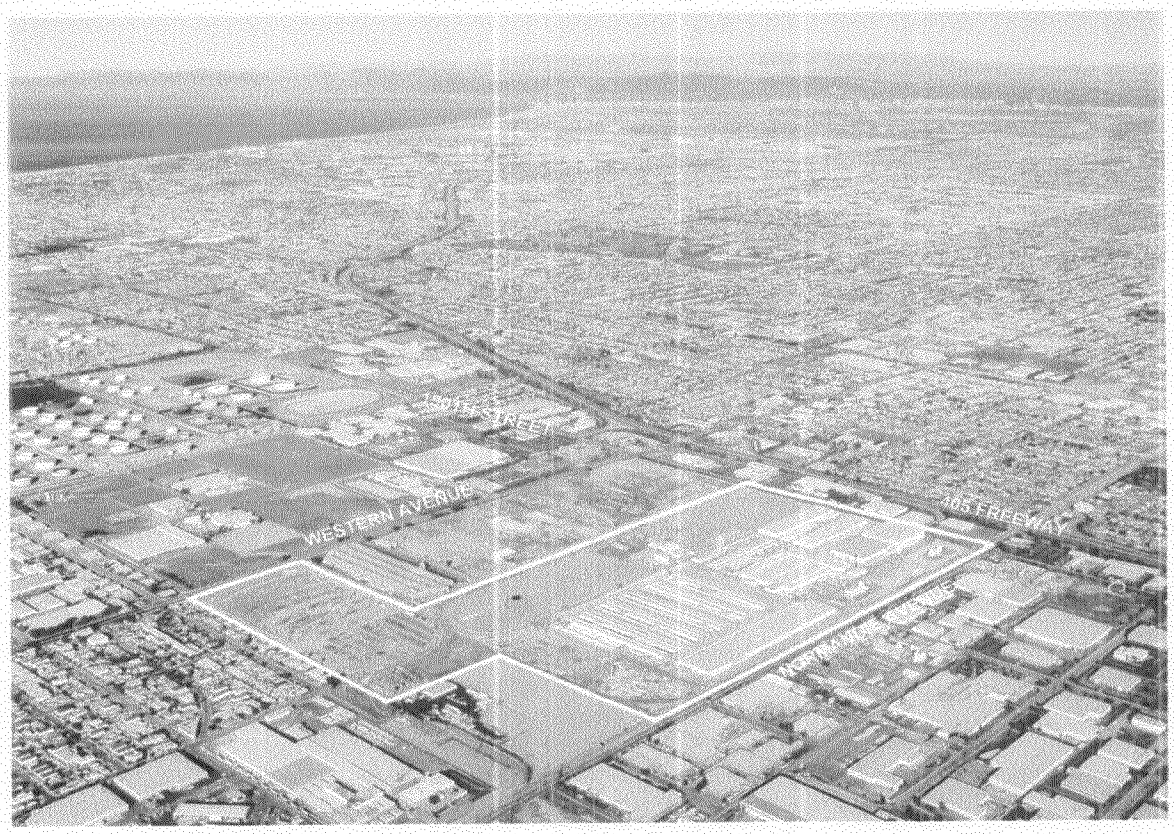
3990 Westerly Place, Suite 210 ◆ Newport Beach, CA 92660 ◆ Tel: (714) 852-9050 ◆ Fax: (714) 852-9011

INTEGRATED
Environmental Services, Inc.

Application for
Facility Permit / Waste Discharge

Supplemental Documentation

Boeing Realty Corporation
C-6 Facility
Los Angeles, California
April 1998



Application for

Facility Permit / Waste Discharge

Supplemental Documentation

Boeing Realty Corporation
C-6 Facility

Los Angeles
California

April 1998

Prepared by
Integrated Environmental Services, Inc.

For
The Boeing Realty Corporation

Application for
Facility Permit / Waste Discharge
Supplemental Documentation
Boeing Realty Corporation
C-6 Facility

Attachment 1

Final Environmental Impact Report
Cover Page
EIR No. 96-0090-SUB)ZV)(CUB)(DA)
STATE CLEARINGHOUSE No. 96051050

FINAL ENVIRONMENTAL IMPACT REPORT

This document comprises the second and final part of the Environmental Impact Report (EIR) for this project. The Draft EIR, previously circulated for public review and comment, comprises the first part, and is available for review at the Department of City Planning, Environmental Review Section, 221 North Figueroa Street, Room 1500, Los Angeles, CA 90012.

Harbor Gateway District Plan
Fifteenth Council District

EIR No. 96-0090-SUB(ZV)(CUB)(DA)
STATE CLEARINGHOUSE No. 96051050

Vesting Tentative Tract No. 52172

HARBOR GATEWAY CENTER

PROJECT: The demolition of approximately 2.4 million square feet of industrial/warehouse facilities and construction of about 3 million square feet of retail, office, and industrial park development on a 170-acre site located on the south side of 190th Street, between Normandie and Western Avenues. Area 1, which occupies the northernmost 42 acres of the site, is to be developed with a maximum of 450,000 square feet of retail uses, including about 355,000 square feet of large scale retailers, a maximum 65,000 square foot (4,000 seat) movie theater complex, and up to 30,000 square feet of restaurants. Area 2, which occupies the remainder of the site, is to be developed with up to 500,000 square feet of office uses and up to 2 million square feet of industrial park uses.

REQUIRED CITY ACTIONS:

- Vesting tentative tract map
- Conditional Use Permits (CUP) for the sale of alcoholic beverages in conjunction with restaurant and retail uses and for Floor Area Ratio (FAR) averaging
- Development Agreement
- Significant modification from sign regulations for two signs
- Variance or other entitlement for shared parking in Area 1
- Building permits
- Any other ministerial actions or approvals required

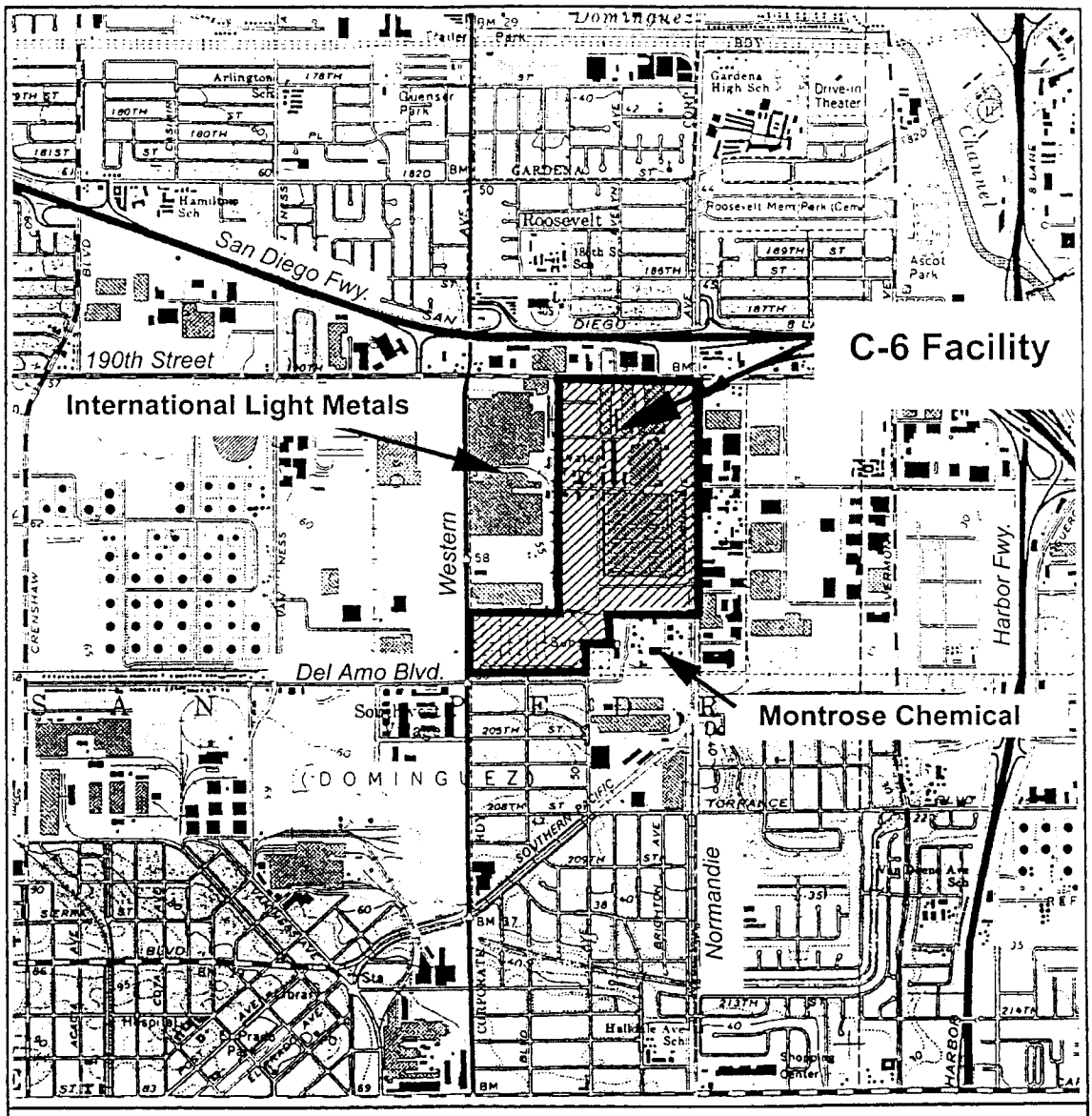
APPLICANT: McDonnell Douglas Realty Company
4060 Lakewood Boulevard
Long Beach, CA 90808

DATE: May 1997

Application for
Facility Permit / Waste Discharge
Supplemental Documentation
Boeing Realty Corporation
C-6 Facility

Attachment 2

C-6 Facility and Vicinity Map



Base Map: U.S.G.S. 7.5 Minute Topographic Map, Torrance, California Quadrangle, 1981.

0 2000 4000
Approximate Scale in Feet

N

INTEGRATED
Environmental Services, Inc.

Figure 1-1
C-6 Facility and Vicinity

Application for
Facility Permit / Waste Discharge
Supplemental Documentation
Boeing Realty Corporation
C-6 Facility

Attachment 3

Waste Profile Sheets

METHOD OF DISPOSAL

As with the previous Facility Permit/Waste Discharge (expired December 23, 1997), excavated soil from the Boeing C-6 facility will be transported to the Bradley Landfill in Sun Valley, California, and used as daily cover. A maximum of 1,500 cubic yards will be transported to the landfill.

The impacted soil has been excavated, stockpiled on site, and sampled for waste characterization in accordance with the approved C-6 Sampling and Analysis Plan (Integrated, February 1997).

The attached waste profile sheets show that the C-6 excavated soils can be used as daily cover and would not pose any adverse impact to the workers.

Analytical Data Summary
Remedial Excavation B66A-RE-2 Stockpile A
Approximately 6 cubic yards

Analyte	EPA Method	Sample Number and Collection Date 2BB-1-35-1' 4/10/97	Regulatory Levels TTLC (mg/kg)	Regulatory Levels STLC (mg/L)
TRPH (mg/kg)	418.1	<10.00		
Title 22 Metals (mg/kg)				
Antimony	6010	<5.00	500	15
Arsenic	6010	350.00	500	5
Barium	6010	72.00	10,000	100
Beryllium	6010	<0.10	75	0.75
Cadmium	6010	9.40	100	1
Chromium (VI)	7196	<0.50	500	5
Chromium (total)	6010	29.00	2,500	5
Cobalt	6010	12.00	8,000	80
Copper	6010	16.00	2,500	25
Lead (total)	6010	<1.00	1,000	5
Mercury	7471	<0.01	20	0.2
Molybdenum	6010	<0.50	3,500	350
Nickel	6010	15.00	2,000	20
Selenium	6010	<1.00	100	1
Silver	6010	<0.10	500	5
Thallium	6010	<5.00	700	7
Vanadium	6010	26.00	2,400	24
Zinc	6010	47.00	5,000	250
VOCs (1) (µg/kg)				
cis-1,2-Dichloroethene	8260	37.00		
Trichloroethene	8260	7.00		
SVOCs (1) (µg/kg)				
Benzo(a)anthracene	8270	460.00		
Benzo(b)fluoranthene	8270	640.00		
Benzo(g,h,i)perylene	8270	470.00		
Benzo(a)pyrene	8270	540.00		
Chrysene	8270	550.00		
Fluoranthene	8270	800.00		
Indeno(1,2,3-cd)pyrene	8270	480.00		
Phenanthrene	8270	190.00		
Pyrene	8270	600.00		
Carbon Chain Range (mg/kg)	8015m	--		
Cyanide (mg/kg)	9010	<0.20		
PCBs (µg/kg)	8080	--		

mg/kg = milligrams per kilogram
mg/L = milligrams per liter
µg/L = micrograms per liter
-- = not analyzed
ND = not detected
TRPH = Total Recoverable Petroleum Hydrocarbons

VOCs = Volatile Organic Compounds
SVOCs = Semi-volatile Organic Compounds
PCBs = Polychlorinated biphenyls
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
(1) VOCs and SVOCs not listed were not detected

MDRC/BACKFILL/STOCKPIL/disposal/Bradly#2/arsenic

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/10/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/10/97	**Client:**	Kennedy/Jenks
Report Number:	1D056C.RPT	**Project:**	974002.00
Lab Number:	1D056	**Units Soil:**	mg/Kg
Date Reported:	4/11/97	**Units Water:**	ug/L
Date Revised:	4/15/97		

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D056-31	2BB-1-35-1	4/10/97	4/10/97	ND	1	Soil

Reporting Limits SOIL mg/Kg	10

NOTES:
NR - Not requested
ND - Analytes not detected at, or above the reporting limit
mg/kg - Milligrams per kilogram (PPM)
ug/L - Micrograms per liter (PPB)
PQL - Practical Quantitation Limit. Equals detection limit times the dilution factor
M - Matrix effects
DF - Dilution Factor

PROCEDURES:
TRPH - This analysis was performed using EPA Method 418.1

CERTIFICATION:
California Department of Health Services ELAP
Onsite Environmental Laboratories, 5580 Horwell Common, Fremont, CA 94538 (510) 498-8571

Gareth Voigt
Laboratory Director

MAY 0 7 1997
Date

Printed on recycled paper.

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

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

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-35-1

Laboratory Sample Number: 97040472
Laboratory Reference #: KJC 8889

Sampled: 04-10-97
Received: 04-10-97
Analyzed: 04-12-97
Reported: 04-23-97

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	350	<---
Barium	6010	100	10000	0.1	72	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	9.4	<---
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	29	<---
Cobalt	6010	80	8000	0.5	12	<---
Copper	6010	25	2500	0.1	16	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	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	26	<---
Zinc	6010	250	5000	0.1	47	<---

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

METHOD : EPA 8260 | Project No: 974002.00 | REPORTING UNITS : µg/Kg

		DATE ANALYZED	4/10/97
		DATE EXTRACTED	N/A
		LAB SAMPLE ID	1D056-31
		CLIENT SAMPLE ID : 28B-	1-35-1
		EXTRACTION SOLVENT	
		EXTRACTION METHOD	
		DILUTION FACTOR	1
COMPOUND		CRDL	
Benzene		5	ND
Bromodichloromethane		5	ND
Bromoform		5	ND
Bromomethane		5	ND
Carbon tetrachloride		5	ND
Chlorobenzene		5	ND
Chloroethane		5	ND
Chloroform		5	ND
Chloromethane		5	ND
Dibromochloromethane		5	ND
1,2-Dichlorobenzene		5	ND
1,3-Dichlorobenzene		5	ND
1,4-Dichlorobenzene		5	ND
Dichlorodifluoromethane (Freon 12)		5	ND
1,1-Dichloroethane (1,1-DCA)		5	ND
1,2-Dichloroethane (1,2-DCA)		5	ND
1,1-Dichloroethene (1,1-DCE)		5	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	37
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND
1,2-Dichloropropane		5	ND
cis-1,3-Dichloropropene		5	ND
trans-1,3-Dichloropropene		5	ND
Ethyl benzene		5	ND
Methylene chloride (Dichloromethane)		5	ND
1,1,1,2-Tetrachloroethane		5	ND
1,1,2,2-Tetrachloroethane		5	ND
Tetrachloroethene (PCE)		5	ND
Toluene		5	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND
Trichloroethene (TCE)		5	7.0
Trichlorofluoromethane (Freon 11)		5	ND
m,p-Xylenes		5	ND
o-Xylene		5	ND
Vinyl chloride (VC)		5	ND
TPH as gasoline		1000	ND
SURROGATE	SPK conc	ACP %	%RC
Dibromofluoromethane	50	75%-120%	99%
Toluene-d8	50	80%-115%	102%
4-Bromofluorobenzene	50	75%-125%	96%

Notes :

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

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

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

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

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-35-1
Laboratory Sample #: 97040472
Laboratory Reference #: KJC 8889

Sampled : 04-10-97
Received: 04-10-97
Analyzed: 04-16-97
Reported: 04-23-97

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

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*	
Acenaphthene	83-32-9	100	N.D.	
Acenaphthylene	208-96-8	100	N.D.	
Aniline	62-53-3	100	N.D.	
Anthracene	120-12-7	100	N.D.	
Benzidine	92-87-5	500	N.D.	
Benzoic Acid	65-85-0	250	N.D.	
Benzo(a)anthracene	56-55-3	100	460	<---
Benzo(b)fluoranthene	205-99-2	250	640	<---
⁻enzo(k)fluoranthene	207-08-9	250	N.D.	
:nzo(g,h,i)perylene	191-24-2	250	·470	<---
Benzo(a)pyrene	50-32-8	250	540	<---
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	550	<---
Dibenz(a,h)anthracene	53-70-3	100	N.D.	
Dibenzofuran	132-64-9	100	N.D.	
Di-n-butyl phthalate	84-74-2	250	N.D.	
1,3-Dichlorobenzene	541-73-1	100	N.D.	
1,4-Dichlorobenzene	106-46-7	100	N.D.	
1,2-Dichlorobenzene	95-50-1	100	N.D.	
3,3'-Dichlorobenzidine	91-94-1	100	N.D.	
2,4-Dichlorophenol	120-83-2	100	N.D.	
Diethyl phthalate	84-66-2	100	N.D.	
2,4-Dimethylphenol	105-67-9	100	N.D.	
⁻methyl phthalate	131-11-3	100	N.D.	
,6-Dinitro-2-methylphenol	534-52-1	100	N.D.	
2,4-Dinitrophenol	51-28-5	100	N.D.	

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

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

Sample Description: Soil, 2BB-1-35-1
Laboratory Sample #: 97040472

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	800	<---
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	480	<---
Isophorone	78-59-1	100	N.D.	
2-Methylnaphthalene	91-57-6	100	N.D.	
-Methylphenol	95-48-7	100	N.D.	
-Methylphenol	106-44-5	100	N.D.	
Naphthalene	91-20-3	100	N.D.	
2-Nitroaniline	88-74-4	250	N.D.	
3-Nitroaniline	99-09-2	250	N.D.	
4-Nitroaniline	100-01-6	250	N.D.	
Nitrobenzene	98-95-3	100	N.D.	
2-Nitrophenol	88-75-5	100	N.D.	
4-Nitrophenol	100-02-7	100	N.D.	
N-Nitrosodiphenylamine	86-30-6	100	N.D.	
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.	
N-Nitrosodimethylamine	62-75-9	100	N.D.	
Pentachlorophenol	87-86-5	250	N.D.	
Phenanthrene	85-01-8	100	190	<---
Phenol	108-95-2	100	N.D.	
Pyrene	129-00-0	100	600	<---
1,2,4-Trichlorobenzene	120-82-1	100	N.D.	
2,4,5-Trichlorophenol	95-95-4	100	N.D.	
2,4,6-Trichlorophenol	88-06-2	100	N.D.	

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

ORANGE COAST ANALYTICAL

ark Noorani
Laboratory Director

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

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

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil

Laboratory Reference #: KJC 8889

Sampled : 04-10-97
Received: 04-10-97
Analyzed: 04-15-97
Reported: 04-23-97

CYANIDE (EPA 9010)

Laboratory Sample Number	*Client Sample Number*	*Sample Results (mg/kg)*
97040472	2BB-1-35-1	N.D.
Detection Limit:		0.2

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Analytical Data Summary
Remedial Excavation B66A-RE-3 Stockpile A
Approximately 6 cubic yards

Analyte	EPA Method	Sample Number and Collection Date: 2BB-1-12-1' 4/9/97	Sample Number and Collection Date: 2BB-1-12-1' Duplicate 4/9/97	Regulatory Levels: TTLC (mg/kg)	Regulatory Levels: STLC (mg/L)
TPHg (mg/kg)	418.1	76.00	--		
TPHd (mg/kg)	8015M	<10.00	--		
TPHm (mg/kg)	8015M	65.00	--		
Title 22 Metals (mg/kg)					
Antimony	6010	--	<5.00	500	15
Arsenic	6010	--	<1.00	500	5
Barium	6010	--	120.00	10,000	100
Beryllium	6010	--	<0.10	75	0.75
Cadmium	6010	--	<0.10	100	1
Chromium (VI)	7196	--	<0.50	500	5
Chromium (total)	6010	--	31.00	2,500	5
Cobalt	6010	--	8.90	8,000	80
Copper	6010	--	7.50	2,500	25
Lead (total)	6010	--	<1.00	1,000	5
Mercury	7471	--	<0.01	20	0.2
Molybdenum	6010	--	<0.50	3,500	350
Nickel	6010	--	10.00	2,000	20
Selenium	6010	--	<1.00	100	1
Silver	6010	--	<0.10	500	5
Thallium	6010	--	<5.00	700	7
Vanadium	6010	--	36.00	2,400	24
Zinc	6010	--	56.00	5,000	250
VOCs (1) (µg/kg)					
cis-1,2-Dichloroethene	8260	170.00	--		
Ethylbenzene	8260	5.60	<2.50		
Tetrachloroethene	8260	6.40	<2.50		
Trichloroethene	8260	250.00	<2.50		
SVOCs (µg/kg)	8270	--	ND		
Carbon Chain Range (mg/kg)	8015m	--	--		
Cyanide (mg/kg)	9010	--	<0.20		
PCBs (µg/kg)	8080	--	--		

mg/kg = milligrams per kilogram
mg/L = milligrams per liter
µg/L = micrograms per liter
-- = not analyzed
ND = not detected
TRPH = Total Recoverable Petroleum Hydrocarbons
TPHd = Total Petroleum Hydrocarbons as diesel
TPHm = Total Petroleum Hydrocarbons as motor oil

VOCs = Volatile Organic Compounds
SVOCs = Semi-volatile Organic Compounds
PCBs = Polychlorinated biphenyls
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
(1) VOCs not listed were not detected

MDRC/BACKFILL/STOCKPIL/disposal/Bradly#2/aresenic

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/9/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/9/97	**Client:**	Kennedy/Jenks
Report Number:	1D055b.RPT	**Project:**	974002.00
Lab Number:	1D055	**Units Soil:**	mg/Kg
Date Reported:	4/10/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D055-40	2BB-1-12-1	4/9/97	4/9/97	76	1	Soil

Reporting Limits SOIL mg/Kg	10

NOTES:
NR - Not requested
ND - Analytes not detected at, or above the reporting limit
mg/kg - Milligrams per kilogram (PPM)
ug/L - Micrograms per liter (PPB)
PQL - Practical Quantitation Limit. Equals detection limit times the dilution factor
M - Matrix effects
DF - Dilution Factor

PROCEDURES:
TRPH - This analysis was performed using EPA Method 418.1.

CERTIFICATION:
California Department of Health Services ELAP
Onsite Environmental Laboratories, 5500 Hopyard Commons, Fremont, CA 94538 (510) 490-8571

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

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ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

Analytical Laboratory Report
TPH-E Diesel, TPH-E Motor Oil
EPA Method 8015 Modified

Date Sampled:	4/9/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/9/97	**Client:**	Kennedy/Jenks
Report Number:	1D055E.RPT	**Project:**	974002.00
Lab Number:	1D055	**Units Soil:**	mg/Kg
Date Reported:	4/22/97		

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TPH-E Diesel	TPH-E Motor Oil	TPH-E Sur. %	TPH-E DF	Matrix
1D055-40	2BB-1-12-1	4/15/97	4/16/97	ND	65*	86	1	Soil
Reporting Limits SOIL mg/Kg				10	10			

NOTES:
NR - Not requested
NC - Not confirmed
ND - Analytes not detected at, or above the reporting limit
Sur. % - Percent surrogate recovery
mg/Kg - Milligrams per Kilogram (PPM)
PQL - Practical Quantitation Limit. Equals detection limit times the dilution factor
D - Surrogate was diluted out
M - Matrix effects
DF - Dilution Factor
* - Sample chromatogram does not match standard chromatogram
TPH-E Diesel - Total petroleum hydrocarbons extractable quantitated as Diesel
TPH-E Motor Oil - Total petroleum hydrocarbons extractable quantitated as Motor Oil

PROCEDURES:
TPH-E - This analysis was performed using EPA Method 8015 Mod. and EPA Method 3550B

CERTIFICATION:
California Department of Health Services ELAP
Onsite Environmental Laboratories, 5500 Boscell Common, Fremont, CA 94538 (510) 490-8571

Gareth Voigt
Laboratory Director

MAY 07 1997
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ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

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

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

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

Laboratory Sample Number: 97040438
Laboratory Reference #: KJC 8884

Sampled: 04-09-97
Received: 04-09-97
Analyzed: 04-11-97
Reported: 04-22-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	120	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	31	<---
Cobalt	6010	80	8000	0.5	8.9	<---
Copper	6010	25	2500	0.1	7.5	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	10	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	36	<---
Zinc	6010	250	5000	0.1	56	<---

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ONSITE
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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

METHOD : EPA 8260 Project No: 974002.00 REPORTING UNITS : µg/Kg

DATE ANALYZED			4/9/97
DATE EXTRACTED			N/A
LAB SAMPLE ID			1D055-40
CLIENT SAMPLE ID : 2BB-			1-12-1
EXTRACTION SOLVENT			
EXTRACTION METHOD			
DILUTION FACTOR			1
COMPOUND		CRDL	
Benzene		5	ND
Bromodichloromethane		5	ND
Bromoform		5	ND
Bromomethane		5	ND
Carbon tetrachloride		5	ND
Chlorobenzene		5	ND
Chloroethane		5	ND
Chloroform		5	ND
Chloromethane		5	ND
Dibromochloromethane		5	ND
1,2-Dichlorobenzene		5	ND
1,3-Dichlorobenzene		5	ND
1,4-Dichlorobenzene		5	ND
Dichlorodifluoromethane (Freon 12)		5	ND
1,1-Dichloroethane (1,1-DCA)		5	ND
1,2-Dichloroethane (1,2-DCA)		5	ND
1,1-Dichloroethene (1,1-DCE)		5	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	170
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND
1,2-Dichloropropane		5	ND
cis-1,3-Dichloropropene		5	ND
trans-1,3-Dichloropropene		5	ND
Ethyl benzene		5	5.6
Methylene chloride (Dichloromethane)		5	ND
1,1,1,2-Tetrachloroethane		5	ND
1,1,2,2-Tetrachloroethane		5	ND
Tetrachloroethene (PCE)		5	6.4
Toluene		5	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND
Trichloroethene (TCE)		5	250
Trichlorofluoromethane (Freon 11)		5	ND
m,p-Xylenes		5	ND
o-Xylene		5	ND
Vinyl chloride (VC)		5	ND
TPH as gasoline		1000	ND
SURROGATE	SPK conc	ACP %	%RC
Dibromofluoromethane	50	75%-110%	104%
Toluene-d8	50	80%-115%	101%
4-Bromofluorobenzene	50	75%-125%	96%

Notes :

ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
M - Matrix effect confirmed
** - Concentration of TCE obtained by running the sample with 2500x dilution

Gareth Voigt
Laboratory Director

MAY 07 1997
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Kennedy Jenks Consultants
ATTN: Mr. Rus Purcell
2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-12-1
Laboratory Sample Number: 97040438
Laboratory Reference #: KJC 8884

Sampled: 04-09-97
Received: 04-09-97
Analyzed: 04-18-97
Reported: 04-22-97

Volatile Organics by GC/MS (EPA 8260)

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

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

Laboratory Sample Number: 97040438

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (ug/kg)*
1,3-Dichloropropane	142-28-9	2.5	N.D.
Dibromochloromethane	124-48-1	2.5	N.D.
Isopropylbenzene	98-82-8	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
1,2,3-Trichloropropane	96-18-4	2.5	N.D.
Bromobenzene	108-86-1	2.5	N.D.
n-Propylbenzene	103-65-1	2.5	N.D.
2-Chlorotoluene	95-49-8	2.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.
4-Chlorotoluene	106-43-4	2.5	N.D.
tert-Butylbenzene	98-06-6	2.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	2.5	N.D.
sec-Butylbenzene	135-98-8	2.5	N.D.
4-Isopropyltoluene	99-87-6	2.5	N.D.
1,3-Dichlorobenzene	541-73-1	2.5	N.D.
1,4-Dichlorobenzene	106-46-7	2.5	N.D.
n-Butylbenzene	104-51-8	2.5	N.D.
1,2-Dichlorobenzene	95-50-1	2.5	N.D.
1-2-Dibromo-2-CPA	96-12-8	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.
Hexachlorobutadiene	87-68-3	2.5	N.D.
Naphthalene	91-20-3	2.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Surrogate Recoveries	*%*
Dibromofluoromethane	*105*
Toluene-d8	*93*
4-Bromofluorobenbzene	*114*

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2151 Michelson Dr. Suite 100
Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-12-1
Laboratory Sample #: 97040438
Laboratory Reference #: KJC 8884

Sampled : 04-09-97
Received: 04-09-97
Analyzed: 04-14-97
Reported: 04-22-97

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

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

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

Sample Description: Soil, 2BB-1-12-1
Laboratory Sample #: 97040438

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

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

ORANGE COAST ANALYTICAL

rk Noorani
Laboratory Director

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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil

Laboratory Reference #: KJC 8884

Sampled : 04-09-97
Received: 04-09-97
Analyzed: 04-14/15-97
Reported: 04-22-97

CYANIDE (EPA 9010)

Laboratory Sample Number	*Client Sample Number*	*Sample Results (mg/kg)*
97040438	2BB-1-12-1	N.D.
Detection Limit:		0.2

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Analytical Data Summary
Remedial Excavation B66A-RE-4 Stockpile A
Approximately 8 cubic yards

Analyte	EPA Method	Sample Number and Collection Date: 2BB-1-13-1' 4/9/97	Sample Number and Collection Date: 2BB-1-13-1' Duplicate 4/9/97	Regulatory Levels: TTLC (mg/kg)	Regulatory Levels: STLC (mg/L)
TPHg (mg/kg)	418.1	5,900.00	--		
TPHd (mg/kg)	8015M	1,200.00	--		
TPHm (mg/kg)	8015M	4,400.00	--		
Title 22 Metals (mg/kg)					
Antimony	6010	--	<5.00	500	15
Arsenic	6010	--	55.00	500	5
Barium	6010	--	110.00	10,000	100
Beryllium	6010	--	<0.10	75	0.75
Cadmium	6010	--	<0.10	100	1
Chromium (VI)	7196	--	<0.50	500	5
Chromium (total)	6010	--	35.00	2,500	5
Cobalt	6010	--	10.00	8,000	80
Copper	6010	--	12.00	2,500	25
Lead (total)	6010	--	<1.00	1,000	5
Mercury	7471	--	<0.01	20	0.2
Molybdenum	6010	--	<0.50	3,500	350
Nickel	6010	--	14.00	2,000	20
Selenium	6010	--	<1.00	100	1
Silver	6010	--	<0.10	500	5
Thallium	6010	--	<5.00	700	7
Vanadium	6010	--	36.00	2,400	24
Zinc	6010	--	47.00	5,000	250
VOCs (1) (µg/kg)					
cis-1,2-Dichloroethene	8260	830.00	--		
Ethylbenzene	8260	1,900.00	150.00		
Tetrachloroethene	8260	490.00	<50.00		
Trichloroethene	8260	210,000.00	8,100.00		
Total Xylenes	8260	4,330.00	450.00		
Isopropylbenzene	8260	--	190.00		
n-Propylbenzene	8260	--	130.00		
2-Chlorotoluene	8260	--	150.00		
1,3,5-Trimethylbenzene	8260	--	1,100.00		
tert-Butylbenzene	8260	--	220.00		
1,2,4-Trimethylbenzene	8260	--	2,700.00		
sec-Butylbenzene	8260	--	590.00		
4-Isopropylbenzene	8260	--	79.00		
n-Butylbenzene	8260	--	52.00		
TPH as gasoline	8260	1,900,000.00	--		
SVOCs (1) (µg/kg)					
Bis(2-ethylhexyl)phthalate	8270	--	390.00		
Butylbenzylphthalate	8270	--	120.00		
Carbon Chain Range (mg/kg)	8015m	--	--		
Cyanide (mg/kg)	9010	--	<0.20		
PCBs (µg/kg)	8080	--	--		

mg/kg = milligrams per kilogram
mg/L = milligrams per liter
µg/L = micrograms per liter
-- = not analyzed
ND = not detected
TRPH = Total Recoverable Petroleum Hydrocarbons
TPHd = Total Petroleum Hydrocarbons as diesel
TPHm = Total Petroleum Hydrocarbons as motor oil

VOCs = Volatile Organic Compounds
SVOCs = Semi-volatile Organic Compounds
PCBs = Polychlorinated biphenyls
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
(1) VOCs and SVOCs not listed were not detected

MDRC/BACKFILL/STOCKPIL/disposal/Bradly#2/aresenic

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

1D055B.RPT

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/9/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/9/97	**Client:**	Kennedy/Jenks
Report Number:	1D055b.RPT	**Project:**	974002.00
Lab Number:	1D055	**Units Soil:**	mg/Kg
Date Reported:	4/10/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D055-39	2BB-1-13-1	4/9/97	4/9/97	5900	100	Soil

Reporting Limits SOIL mg/Kg	10

NOTES:
NR - Not requested
ND - Analytes not detected at, or above the reporting limit
mg/kg - Milligrams per kilogram (PPM)
ug/L - Micrograms per liter (PPB)
PQL - Practical Quantitation Limit - Equals detection limit times the dilution factor
M - Matrix effects
DF - Dilution Factor

PROCEDURES:
TRPH - This analysis was performed using EPA Method 418.1

CERTIFICATION:
California Department of Health Services ELAP
Onsite Environmental Laboratories, 5500 Bowell Common, Fremont, CA 94538 (510) 490-8571

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

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ENVIRONMENTAL
LABORATORIES, INC.

Analytical Laboratory Report
TPH-E Diesel, TPH-E Motor Oil
EPA Method 8015 Modified

Date Sampled:	4/9/97	Proj Mgr:	Rus Purcell
Date Received:	4/9/97	Client:	Kennedy/Jenks
Report Number:	1D055E.RPT	Project:	974002.00
Lab Number:	1D055	Units Soil:	mg/Kg
Date Reported:	4/22/97		

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TPH-E Diesel	TPH-E Motor Oil	TPH-E Sur. %	TPH-E DF	Matrix
1D055-39	2BB-1-13-1	4/16/97	4/17/97	1200*	4400*	68	1	Soil
Reporting Limits SOIL mg/Kg				10	10			

NOTES:
NR - Not requested
NC - Not confirmed
ND - Analytes not detected at, or above the reporting limit
Sur. % - Percent surrogate recovery
mg/Kg - Milligrams per kilogram (PPM)
PQL - Practical Quantitation Limit. Equals detection limit times the dilution factor
D - Surrogate was diluted out
M - Matrix effects
DF - Dilution Factor
* - Sample chromatogram does not match standard chromatogram
TPH-E Diesel - Total petroleum hydrocarbons extractable quantitated as Diesel
TPH-E Motor Oil - Total petroleum hydrocarbons extractable quantitated as Motor Oil

PROCEDURES:
TPH-E - This analysis was performed using EPA Method 8015 Mod and EPA Method 3550B

CERTIFICATION:
California Department of Health Services ELAP
Onsite Environmental Laboratories, 5500 Boscell Common, Fremont, CA 94538 (510) 490-8571

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

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ENVIRONMENTAL
LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

METHOD : EPA 8260 | Project No: 974002.00 | REPORTING UNITS : µg/Kg

DATE ANALYZED			4/9/97
DATE EXTRACTED			N/A/ 4-9-97
LAB SAMPLE ID			1D055-39
CLIENT SAMPLE ID : 2BB			1-13-1
EXTRACTION SOLVENT			NA/ MEOH
EXTRACTION METHOD			NA/3580
DILUTION FACTOR			2 / 500* A
COMPOUND		CRDL	
Benzene		5	ND
Bromodichloromethane		5	ND
Bromoform		5	ND
Bromomethane		5	ND
Carbon tetrachloride		5	ND
Chlorobenzene		5	ND
Chloroethane		5	ND
Chloroform		5	ND
Chloromethane		5	ND
Dibromochloromethane		5	ND
1,2-Dichlorobenzene		5	ND
1,3-Dichlorobenzene		5	ND
1,4-Dichlorobenzene		5	ND
Dichlorodifluoromethane (Freon 12)		5	ND
1,1-Dichloroethane (1,1-DCA)		5	ND
1,2-Dichloroethane (1,2-DCA)		5	ND
1,1-Dichloroethene (1,1-DCE)		5	ND
cis-1,2-Dichloroethene (c-1,2-DCE)		5	830
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND
1,2-Dichloropropane		5	ND
cis-1,3-Dichloropropene		5	ND
trans-1,3-Dichloropropene		5	ND
Ethyl benzene		5	1900*
Methylene chloride (Dichloromethane)		5	ND
1,1,1,2-Tetrachloroethane		5	ND
1,1,2,2-Tetrachloroethane		5	ND
Tetrachloroethene (PCE)		5	490*
Toluene		5	79
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND
Trichloroethene (TCE)		5	210000**
Trichlorofluoromethane (Freon 11)		5	ND
m,p-Xylenes		5	3700*
o-Xylene		5	630*
Vinyl chloride (VC)		5	ND
TPH as gasoline		1000	1900000*
SURROGATE	SPK conc	ACP %	%RC
Dibromofluoromethane	50	75%-110%	109% / 98%
Toluene-d8	50	80%-115%	101% / 105
4-Bromofluorobenzene	50	75%-125%	95% / 97%

Notes :

ND - Analytes not detected at, or above the stated detection limit
PQL - Practical Quantitation Limit - Multiply DL by the DF to obtain the PQL for a specific sample
M - Matrix effect confirmed
** - Concentration of TCE obtained by running the sample with 2500x dilution

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

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

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

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

Laboratory Sample Number: 97040437
Laboratory Reference #: KJC 8884

Sampled: 04-09-97
Received: 04-09-97
Analyzed: 04-11-97
Reported: 04-22-97

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	55	<---
Barium	6010	100	10000	0.1	110	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	35	<---
Cobalt	6010	80	8000	0.5	10	<---
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	36	<---
Zinc	6010	250	5000	0.1	47	<---

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-13-1
Laboratory Sample Number: 97040437
Laboratory Reference #: KJC 8884

Sampled: 04-09-97
Received: 04-09-97
Analyzed: 04-21-97
Reported: 04-22-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (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	75-35-3	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	150	<---
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	8,100	<---
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	450	<---
Dichlorofluoromethane	75-71-8	50	N.D.	
cis-1-2,-Dichloroethane	156-59-4	50	N.D.	
2,2-Dichloropropane	590-20-7	50	N.D.	
Bromochloromethane	74-97-5	50	N.D.	
1,1-Dichloropropene	563-58-6	50	N.D.	
1,2-Dichloropropane	78-87-5	50	N.D.	
Dibromomethane	74-95-3	50	N.D.	
trans-1,3-Dichloropropane	10061-02-6	50	N.D.	
1,1,2-Trichloroethane	79-00-5	50	N.D.	
1,2-Dibromoethane	106-93-4	50	N.D.	

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

Laboratory Sample Number: 97040437

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (ug/kg)*	
1,3-Dichloropropane	142-28-9	50	N.D.	
Dibromochloromethane	124-48-1	50	N.D.	
Isopropylbenzene	98-82-8	50	190	<---
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	150	<---
1,3,5-Trimethylbenzene	108-67-8	50	1,100	<---
4-Chlorotoluene	106-43-4	50	N.D.	
tert-Butylbenzene	98-06-6	50	220	<---
1,2,4-Trimethylbenzene	95-63-6	50	2,700	<---
sec-Butylbenzene	135-98-8	50	590	<---
4-Isopropyltoluene	99-87-6	50	79	<---
1,3-Dichlorobenzene	541-73-1	50	N.D.	
1,4-Dichlorobenzene	106-46-7	50	N.D.	
n-Butylbenzene	104-51-8	50	52	<---
1,2-Dichlorobenzene	95-50-1	50	N.D.	
1-2-Dibromo-2-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	N.D.	
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	*113*
Toluene-d8	*94*
4-Bromofluorobenbzene	*130**

*Matrix Interference

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Kennedy Jenks Consultants
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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-13-1
Laboratory Sample #: 97040437
Laboratory Reference #: KJC 8884

Sampled : 04-09-97
Received: 04-09-97
Analyzed: 04-16-97
Reported: 04-22-97

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

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*	
Acenaphthene	83-32-9	100	N.D.	
Acenaphthylene	208-96-8	100	N.D.	
Aniline	62-53-3	100	N.D.	
Anthracene	120-12-7	100	N.D.	
Benzidine	92-87-5	500	N.D.	
Benzoic Acid	65-85-0	250	N.D.	
Benzo(a)anthracene	56-55-3	100	N.D.	
Benzo(b)fluoranthene	205-99-2	250	N.D.	
nzo(k)fluoranthene	207-08-9	250	N.D.	
nzo(g,h,i)perylene	191-24-2	250	N.D.	
Benzo(a)pyrene	50-32-8	250	N.D.	
Benzyl alcohol	100-51-6	100	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.	
Bis(2-chloroethyl)ether	111-44-4	100	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	100	390	<---
4-Bromophenyl phenyl ether	101-55-3	100	N.D.	
Butyl benzyl phthalate	85-68-7	100	120	<---
4-Chloroaniline	106-47-8	100	N.D.	
2-Chloronaphthalene	91-58-7	100	N.D.	
4-Chloro-3-methylphenol	59-50-7	100	N.D.	
2-Chlorophenol	95-57-8	100	N.D.	
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.	
Chrysene	218-0109	100	N.D.	
Dibenz(a,h)anthracene	53-70-3	100	N.D.	
Dibenzofuran	132-64-9	100	N.D.	
Di-n-butyl phthalate	84-74-2	250	N.D.	
1,3-Dichlorobenzene	541-73-1	100	N.D.	
1,4-Dichlorobenzene	106-46-7	100	N.D.	
1,2-Dichlorobenzene	95-50-1	100	N.D.	
3,3'-Dichlorobenzidine	91-94-1	100	N.D.	
2,4-Dichlorophenol	120-83-2	100	N.D.	
Diethyl phthalate	84-66-2	100	N.D.	
2,4-Dimethylphenol	105-67-9	100	N.D.	
methyl phthalate	131-11-3	100	N.D.	
6-Dinitro-2-methylphenol	534-52-1	100	N.D.	
2,4-Dinitrophenol	51-28-5	100	N.D.	

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

Sample Description: Soil, 2BB-1-13-1
Laboratory Sample #: 97040437

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

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

ORANGE COAST ANALYTICAL

Mark Noorani

ark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
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Kennedy Jenks Consultants
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Irvine, CA 92612

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil

Laboratory Reference #: KJC 8884

Sampled : 04-09-97
Received: 04-09-97
Analyzed: 04-14/15-97
Reported: 04-22-97

CYANIDE (EPA 9010)

Laboratory Sample Number	*Client Sample Number*	*Sample Results (mg/kg)*
97040437	2BB-1-13-1	N.D.

Detection Limit: 0.2

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Analytical Data Summary
Remedial Excavation B41-RE-3 Stockpile A
Approximately 4 cubic yards

Analyte	EPA Method	Sample Number and Collection Date 2BB-1-6-1' 4/17/97	Regulatory Levels TTLC (mg/kg)	Regulatory Levels STLC (mg/L)
TPHg (mg/kg)	418.1	<10.00		
Title 22 Metals (mg/kg)				
Antimony	6010	<5.00	500	15
Arsenic	6010	<1.00	500	5
Barium	6010	86.00	10,000	100
Beryllium	6010	<0.10	75	0.75
Cadmium	6010	<0.10	100	1
Chromium (VI)	7196	<0.50	500	5
Chromium (total)	6010	19.00	2,500	5
Cobalt	6010	7.10	8,000	80
Copper	6010	11.00	2,500	25
Lead (total)	6010	<1.00	1,000	5
Mercury	7471	<0.01	20	0.2
Molybdenum	6010	<0.50	3,500	350
Nickel	6010	7.40	2,000	20
Selenium	6010	<1.00	100	1
Silver	6010	<0.10	500	5
Thallium	6010	<5.00	700	7
Vanadium	6010	27.00	2,400	24
Zinc	6010	23.00	5,000	250
VOCs (1) (µg/kg)				
1,1-Dichloroethene	8260	110.00		
Trichloroethene	8260	5.50		
SVOCs (1) (µg/kg)				
Bis(2-ethylhexyl)phthalate	8270	310.00		
Carbon Chain Range (mg/kg)	8015m	--		
PCBs (µg/kg)	8080	--		

mg/kg = milligrams per kilogram
mg/L = milligrams per liter
µg/L = micrograms per liter
-- = not analyzed
ND = not detected
TRPH = Total Recoverable Petroleum Hydrocarbons

VOCs = Volatile Organic Compounds
SVOCs = Semi-volatile Organic Compounds
PCBs = Polychlorinated biphenyls
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
(1) VOCs and SVOCs not listed were not detected

MDRC/BACKFILL/STOCKPIL/disposal/Bradly#2/arsenic

ONSITE
ENVIRONMENTAL
LABORATORIES, INC.

Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/17/97	**Proj Mgr:**	Rus Purcell
Date Received:	4/17/97	**Client:**	Kennedy/Jenks
Report Number:	1D061C.RPT	**Project:**	974002.00
Lab Number:	1D061	**Units Soil:**	mg/Kg
Date Reported:	4/18/97	**Units Water:**	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D061-59	2B-1-6-1	4/17/97	4/17/97	ND	1	Soil

Reporting Limits SOIL mg/Kg	10

NOTES:
NR - Not requested
ND - Analytes not detected at or above the reporting limit
mg/Kg - Milligrams per kilogram (PPM)
ug/L - Micrograms per liter (PPB)
PQL - Practical Quantitation Limit Equals detection limit times the dilution factor
M - Matrix effects
DF - Dilution Factor

PROCEDURES:
TRPH - This analysis was performed using EPA Method 418.1

CERTIFICATION:
California Department of Health Services ELAP
Onsite Environmental Laboratories 4500 Boscell Common, Fremont, CA 94538 (510) 490-8471

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

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

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-6-1

Laboratory Sample Number: 97040853
Laboratory Reference #: KJC 8925

Sampled: 04-17-97
Received: 04-17-97
Analyzed: 04-22-97
Reported: 04-30-97

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	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	19	<---
Cobalt	6010	80	8000	0.5	7.1	<---
Copper	6010	25	2500	0.1	11	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	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	27	<---
Zinc	6010	250	5000	0.1	23	<---

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ONSITE
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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

METHOD : EPA 8260 | Project No: 974002.00 | REPORTING UNITS : µg/Kg

DATE ANALYZED		4/17/97
DATE EXTRACTED		N/A
LAB SAMPLE ID		1D061-59
CLIENT SAMPLE ID : 2BB-		1-6-1
EXTRACTION SOLVENT		
EXTRACTION METHOD		
DILUTION FACTOR		1
COMPOUND	CRDL	
Benzene	5	ND
Bromodichloromethane	5	ND
Bromoform	5	ND
Bromomethane	5	ND
Carbon tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
Chloroform	5	ND
Chloromethane	5	ND
Dibromochloromethane	5	ND
1,2-Dichlorobenzene	5	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	5	ND
Dichlorodifluoromethane (Freon 12)	5	ND
1,1-Dichloroethane (1,1-DCA)	5	ND
1,2-Dichloroethane (1,2-DCA)	5	ND
1,1-Dichloroethene (1,1-DCE)	5	110
cis-1,2-Dichloroethene (c-1,2-DCE)	5	ND
trans-1,2-Dichloroethene (t-1,2-DCE)	5	ND
1,2-Dichloropropane	5	ND
cis-1,3-Dichloropropene	5	ND
trans-1,3-Dichloropropene	5	ND
Ethyl benzene	5	ND
Methylene chloride (Dichloromethane)	5	ND
1,1,1,2-Tetrachloroethane	5	ND
1,1,2,2-Tetrachloroethane	5	ND
Tetrachloroethene (PCE)	5	ND
Toluene	5	ND
1,1,1-Trichloroethane (1,1,1-TCA)	5	ND
1,1,2-Trichloroethane (1,1,2-TCA)	5	ND
Trichloroethene (TCE)	5	5.5
Trichlorofluoromethane (Freon 11)	5	ND
m,p-Xylenes	5	ND
o-Xylene	5	ND
Vinyl chloride (VC)	5	ND
TPH as gasoline	1000	ND
SURROGATE	SPK conc / ACP %	%RC
Dibromofluoromethane	50 / 75%-120%	111%
Toluene-d8	50 / 80%-115%	104%
4-Bromofluorobenzene	50 / 75%-125%	98%

Notes :

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

Gareth Voigt
Laboratory Director

MAY 06 1997
Date

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

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-6-1
Laboratory Sample #: 97040853
Laboratory Reference #: KJC 8925

Sampled : 04-17-97
Received: 04-17-97
Analyzed: 04-25-97
Reported: 04-30-97

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

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*	
Acenaphthene	83-32-9	100	N.D.	
Acenaphthylene	208-96-8	100	N.D.	
Aniline	62-53-3	100	N.D.	
Anthracene	120-12-7	100	N.D.	
Benzidine	92-87-5	500	N.D.	
Benzoic Acid	65-85-0	250	N.D.	
Benzo(a)anthracene	56-55-3	100	N.D.	
Benzo(b)fluoranthene	205-99-2	250	N.D.	
enzo(k)fluoranthene	207-08-9	250	N.D.	
enzo(g,h,i)perylene	191-24-2	250	N.D.	
Benzo(a)pyrene	50-32-8	250	N.D.	
Benzyl alcohol	100-51-6	100	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.	
Bis(2-chloroethyl)ether	111-44-4	100	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	100	310	<---
4-Bromophenyl phenyl ether	101-55-3	100	N.D.	
Butyl benzyl phthalate	85-68-7	100	N.D.	
4-Chloroaniline	106-47-8	100	N.D.	
2-Chloronaphthalene	91-58-7	100	N.D.	
4-Chloro-3-methylphenol	59-50-7	100	N.D.	
2-Chlorophenol	95-57-8	100	N.D.	
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.	
Chrysene	218-0109	100	N.D.	
Dibenz(a,h)anthracene	53-70-3	100	N.D.	
Dibenzofuran	132-64-9	100	N.D.	
Di-n-butyl phthalate	84-74-2	250	N.D.	
1,3-Dichlorobenzene	541-73-1	100	N.D.	
1,4-Dichlorobenzene	106-46-7	100	N.D.	
1,2-Dichlorobenzene	95-50-1	100	N.D.	
3,3'-Dichlorobenzidine	91-94-1	100	N.D.	
2,4-Dichlorophenol	120-83-2	100	N.D.	
Diethyl phthalate	84-66-2	100	N.D.	
2,4-Dimethylphenol	105-67-9	100	N.D.	
imethyl phthalate	131-11-3	100	N.D.	
,6-Dinitro-2-methylphenol	534-52-1	100	N.D.	
2,4-Dinitrophenol	51-28-5	100	N.D.	

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

Sample Description: Soil, 2BB-1-6-1
Laboratory Sample #: 97040853

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

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Analytical Data Summary
Remedial Excavation B41-RE-4 Stockpile A
Approximately 4 cubic yards

Analyte	EPA Method	Sample Number and Collection Date 2BB-1-22-1' 4/1/97	Regulatory Levels TTLC (mg/kg)	 STLC (mg/L)
TRPH (mg/kg)	418.1	<20.00		
Title 22 Metals (mg/kg)				
Antimony	6010	<5.00	500	15
Arsenic	6010	36.00	500	5
Barium	6010	120.00	10,000	100
Beryllium	6010	<0.10	75	0.75
Cadmium	6010	<0.10	100	1
Chromium (VI)	7196	<0.50	500	5
Chromium (total)	6010	29.00	2,500	5
Cobalt	6010	8.60	8,000	80
Copper	6010	11.00	2,500	25
Lead (total)	6010	<1.00	1,000	5
Mercury	7471	<0.01	20	0.2
Molybdenum	6010	<0.50	3,500	350
Nickel	6010	13.00	2,000	20
Selenium	6010	<1.00	100	1
Silver	6010	<0.10	500	5
Thallium	6010	<5.00	700	7
Vanadium	6010	34.00	2,400	24
Zinc	6010	42.00	5,000	250
pH	9045	7.9		
VOCs (1) (µg/kg)				
1,1-Dichloroethene	8260	27.00		
SVOCs (µg/kg)	8270	--		
Carbon Chain Range (mg/kg)	8015m	--		
PCBs (µg/kg)	8080	--		

mg/kg = milligrams per kilogram
mg/L = milligrams per liter
µg/L = micrograms per liter
-- = not analyzed
ND = not detected
TRPH = Total Recoverable Petroleum Hydrocarbons

VOCs = Volatile Organic Compounds
SVOCs = Semi-volatile Organic Compounds
PCBs = Polychlorinated biphenyls
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
(1) VOCs not listed were not detected

MDRC/BACKFILL/STOCKPIL/disposal/Bradly#2/arsenic

A

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1D049A.RPT

RECEIVED
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Analytical Laboratory Report
TRPH
EPA Method 418.1

Date Sampled:	4/1/97	Proj Mgr:	Rus Purcell
Date Received:	4/1/97	Client:	Kennedy/Jenks
Report Number:	1D049B.RPT	Project:	McDonnell Douglas
Lab Number:	1D049	Units Soil:	mg/Kg
Date Reported:	4/2/97	Units Water:	ug/L

Lab ID No.	Field ID No.	Date Extracted	Date Analyzed	TRPH	Dilution Factor	Matrix
1D049-01	2BB-1-22-1	4/1/97	4/1/97	ND	1	Soil

Reporting Limits SOIL mg/Kg	20

NOTES:
NR - Not requested
ND - Analytes not detected at or above the reporting limit
mg/kg - Milligrams per kilogram (PPM)
mg/L - Micrograms per liter (PPB)
PQL - Practical Quantitation Limit - Equals detection limit times the dilution factor
M - Matrix effects
DF - Dilution Factor

PROCEDURES:
TRPH - This analysis was performed using EPA Method 418.1

CERTIFICATION:
California Department of Health Services ELAP
Onsite Environmental Laboratories, 5500 Driscoll Commons, Fremont, CA 94538 (510) 498-8571

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

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

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

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil, 2BB-1-22-1

Laboratory Sample Number: 97040033
Laboratory Reference #: KJC 8786

Sampled: 04-01-97
Received: 04-01-97
Analyzed: 04-03-97
Reported: 04-11-97

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	36	<---
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	8.6	<---
Copper	6010	25	2500	0.1	11	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	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	34	
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

#42

4/16/97

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

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

Client Project ID: Douglas Aircraft
Client Project #: 974002.00

Sample Description: Soil

Laboratory Reference #: KJC 8786

Sampled : 04-01-97
Received: 04-01-97
Analyzed: 04-03-97
Reported: 04-11-97

pH (EPA 9045)

Laboratory Sample Number	Client Sample Number	Sample Result
97040033	2BB-1-22-1	7.9

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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LABORATORIES, INC.

LABORATORY ANALYTICAL REPORT FOR ORGANICS

METHOD : EPA 8260 Project No: 974002.00 REPORTING UNITS : µg/Kg

		DATE ANALYZED	4/1/97
		DATE EXTRACTED	N/A
		LAB SAMPLE ID	1D049-01
		CLIENT SAMPLE ID	2BB-1-22-1
		EXTRACTION SOLVENT	
		EXTRACTION METHOD	
		DILUTION FACTOR	1
COMPOUND		CRDL	
Benzene		5	ND
Bromodichloromethane		5	ND
Bromoform		5	ND
Bromomethane		5	ND
Carbon tetrachloride		5	ND
Chlorobenzene		5	ND
Chloroethane		5	ND
Chloroform		5	ND
Chloromethane		5	ND
Dibromochloromethane		5	ND
1,2-Dichlorobenzene		5	ND
1,3-Dichlorobenzene		5	ND
1,4-Dichlorobenzene		5	ND
Dichlorodifluoromethane (Freon 12)		5	ND
1,1-Dichloroethane (1,1-DCA)		5	ND
1,2-Dichloroethane (1,2-DCA)		5	ND
1,1-Dichloroethene (1,1-DCE)		5	27
cis-1,2-Dichloroethene (c-1,2-DCE)		5	ND
trans-1,2-Dichloroethene (t-1,2-DCE)		5	ND
1,2-Dichloropropane		5	ND
cis-1,3-Dichloropropene		5	ND
trans-1,3-Dichloropropene		5	ND
Ethyl benzene		5	ND
Methylene chloride (Dichloromethane)		5	ND
1,1,1,2-Tetrachloroethane		5	ND
1,1,2,2-Tetrachloroethane		5	ND
Tetrachloroethene (PCE)		5	ND
Toluene		5	ND
1,1,1-Trichloroethane (1,1,1-TCA)		5	ND
1,1,2-Trichloroethane (1,1,2-TCA)		5	ND
Trichloroethene (TCE)		5	ND
Trichlorofluoromethane (Freon 11)		5	ND
m,p-Xylenes		5	ND
o-Xylene		5	ND
Vinyl chloride (VC)		5	ND
TPH as gasoline		1000	ND
SURROGATE	SPK conc	ACP %	%RC
Dibromofluoromethane	50	75%-110%	102%
Toluene-d8	50	80%-115%	106%
4-Bromofluorobenzene	50	75%-125%	95%

Notes :

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

Gareth Voigt
Laboratory Director

MAY 07 1997
Date

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Analytical Data Summary
Remedial Excavation B41-RE-5 Stockpile A
Approximately 20 cubic yards

Analyte	EPA Method	Sample Number and Collection Date			Regulatory Levels	
		B41-GS-1-1' 9/24/97	B41-GS-COMP5 3/18/98	B41-GS-COMP6 3/18/98	TTLC (mg/kg)	STLC (mg/L)
TRPH (mg/kg)	418.1	<8.00	--	--		
Title 22 Metals (mg/kg)						
Antimony	6010	<5.00	--	--	500	15
Arsenic	6010	49.00	15.00	25.00	500	5
Barium	6010	76.00	--	--	10,000	100
Beryllium	6010	<0.10	--	--	75	0.75
Cadmium	6010	<0.10	--	--	100	1
Chromium (VI)	7196	<0.50	--	--	500	5
Chromium (total)	6010	22.00	--	--	2,500	5
Cobalt	6010	6.90	--	--	8,000	80
Copper	6010	17.00	--	--	2,500	25
Lead (total)	6010	11.00	--	--	1,000	5
Mercury	7471	<0.01	--	--	20	0.2
Molybdenum	6010	<0.50	--	--	3,500	350
Nickel	6010	9.60	--	--	2,000	20
Selenium	6010	<1.00	--	--	100	1
Silver	6010	<0.10	--	--	500	5
Thallium	6010	<5.00	--	--	700	7
Vanadium	6010	28.00	--	--	2,400	24
Zinc	6010	44.00	--	--	5,000	250
VOCs (µg/kg)	8260	--	--	--		
SVOCs (µg/kg)	8270	--	--	--		
Carbon Chain Range (mg/kg)	8015m	--	--	--		
PCBs (µg/kg)	8080	--	--	--		

mg/kg = milligrams per kilogram
mg/L = milligrams per liter
µg/L = micrograms per liter
-- = not analyzed
ND = not detected
TRPH = Total Recoverable Petroleum Hydrocarbons

VOCs = Volatile Organic Compounds
SVOCs = Semi-volatile Organic Compounds
PCBs = Polychlorinated biphenyls
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration

MDRC/BACKFILL/STOCKPIL/disposal/Bradly#2/arsenic

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: The Boeing Company
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Soil,

Laboratory Reference #: MWI 9579

Sampled: 09/24/97
Received: 09/24/97
Analyzed: 09/25/97
Reported: 09/25/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97090542	B41-GS-1-1'	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

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, 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: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, B41-GS-1-1'

Sampled: 09/24/97
Received: 09/24/97
Analyzed: 09-25/29/30/97
Reported: 10/03/97

Laboratory Sample Number: 97090542
Laboratory Reference #: MWI 9579

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	49
Barium	6010	100	10000	0.1	76
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	6.9
Copper	6010	25	2500	0.1	17
Lead	6010	5.0	1000	1.0	11
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	N.D.
Nickel	6010	20	2000	0.5	9.6
Selenium	6010	1.0	100	1.0	N.D.
Silver	6010	5.0	500	0.1	N.D.
Thallium	6010	7.0	700	5.0	N.D.
Vanadium	6010	24	2400	0.5	28
Zinc	6010	250	5000	0.1	44

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

MWI 10036

											QC(S)				
				S PP01 B41-GS-COMP5 03/18/98 12:35 Y 03/18/98 14:50 W	S PP01 B41-GS-COMP8 03/18/98 12:40 Y 03/18/98 14:50 W										
				98030209	98030210						LAB SAMP NO.	R1	T CONC	SL[a]	DL[a]
											98030125	0.0	100	102	99
				03/19/98	03/19/98						03/19/98				
											98030197	0.00	10.0	10.70	10.70
				15	25						98030197	3.14	10.0	13.10	13.10
											98030197	3.32	5.00	7.99	7.92
											98030197	0.00	1.00	1.03	1.02
											98030197	0.00	1.00	1.03	1.02
											03/19/98				
											98030197	0.00	1.00	1.20	1.10
											03/19/98				
											98030197	0.39	1.00	1.37	1.36
											98030197	0.21	1.00	1.11	1.12
											98030197	0.55	1.00	1.64	1.63
											98030197	0.41	5.00	4.98	4.95
											03/19/98				
											98030198	0.00	0.20	0.23	0.22
											03/19/98				
											98030197	0.00	5.00	4.92	4.91
											98030197	0.32	5.00	4.97	4.94
											98030197	0.00	10.0	10.40	10.40
											98030197	0.00	5.00	5.11	5.18
											98030197	0.00	10.0	9.16	9.09
											98030197	0.74	5.00	5.73	5.70
											98030197	1.37	1.00	2.35	2.31

Analytical Data Summary
Remedial Excavation B36-RE-2 Stockpile A
Approximately 36 cubic yards

Analyte	EPA Method	Sample Number and Collection Date: B36-GS-25-5' 9/17/97	Sample Number and Collection Date: B36-GS-COMP1 3/18/98	Regulatory Levels: TTLC (mg/kg)	Regulatory Levels: STLC (mg/L)
TRPH (mg/kg)	418.1	540.00	--		
Title 22 Metals (mg/kg)					
Antimony	6010	<5.00	--	500	15
Arsenic	6010	17.00	19.00	500	5
Barium	6010	80.00	--	10,000	100
Beryllium	6010	<0.10	--	75	0.75
Cadmium	6010	<0.10	--	100	1
Chromium (VI)	7196	<0.50	--	500	5
Chromium (total)	6010	23.00	--	2,500	5
Cobalt	6010	6.50	--	8,000	80
Copper	6010	11.00	--	2,500	25
Lead (total)	6010	7.40	--	1,000	5
Mercury	7471	<0.01	--	20	0.2
Molybdenum	6010	<0.50	--	3,500	350
Nickel	6010	10.00	--	2,000	20
Selenium	6010	<1.00	--	100	1
Silver	6010	<0.10	--	500	5
Thallium	6010	<5.00	--	700	7
Vanadium	6010	24.00	--	2,400	24
Zinc	6010	57.00	--	5,000	250
VOCs (µg/kg)	8260	ND	--		
SVOCs (1) (µg/kg)					
Chrysene	8270	280.00	--		
Fluoranthene	8270	270.00	--		
Pyrene	8270	320.00	--		
Carbon Chain Range (mg/kg)	8015m	--	--		
PCBs (1) (µg/kg)					
PCB-1260	8080	26.00	--		

mg/kg = milligrams per kilogram
mg/L = milligrams per liter
µg/L = micrograms per liter
-- = not analyzed
ND = not detected
TRPH = Total Recoverable Petroleum Hydrocarbons

VOCs = Volatile Organic Compounds
SVOCs = Semi-volatile Organic Compounds
PCBs = Polychlorinated biphenyls
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
(1) SVOCs and PCBs not listed were not detected

MDRC/BACKFILL/STOCKPIL/disposal/Bradly#2/arsenic

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: The Boeing Company
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Soil,

Laboratory Reference #: MWI 9561

Sampled: 09/17/97
Received: 09/17/97
Analyzed: 09/18/97
Reported: 09/18/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97090381	B36-GS-25-5'	540
Detection Limit:		8.0

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

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

Sample Description: Soil, B36-GS-25-5'

Sampled: 09/17/97
Received: 09/17/97
Analyzed: 9/18-19-22/1997
Reported: 09/29/97

Laboratory Sample Number: 97090381
Laboratory Reference #: MWI 9561

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	17
Barium	6010	100	10000	0.1	80
Beryllium	6010	0.75	75	0.1	N.D.
Cadmium	6010	1.0	100	0.1	N.D.
Chromium (VI)	7196	5.0	500	0.5	N.D.
Chromium Total	6010	560	2500	0.05	23
Cobalt	6010	80	8000	0.5	6.5
Copper	6010	25	2500	0.1	11
Lead	6010	5.0	1000	1.0	7.4
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	24
Zinc	6010	250	5000	0.1	57

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

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

Sample Description: Soil, B36-GS-25-5'
Laboratory Sample Number: 97090381
Laboratory Reference #: MWI 9561

Sampled: 09/17/97
Received: 09/17/97
Analyzed: 09/25/97
Reported: 09/29/97

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, B36-GS-25-5'
Laboratory Sample #: 97090381

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	102
Toluene-d8	104
4-Bromofluorobenzene	101

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

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

Sampled: 09/17/97
Received: 09/17/97
Analyzed: 09/22/97
Reported: 09/29/97

Sample Description: Soil, B36-GS-25-5'
Laboratory Sample Number: 97090381
Laboratory Reference #: MWI 9561

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Acenaphthene	83-32-9	200	N.D.	
Acenaphthylene	208-96-8	200	N.D.	
Aniline	62-53-3	200	N.D.	
Anthracene	120-12-7	200	N.D.	
Benzoic Acid	65-85-0	1000	N.D.	
Benzo (a) anthracene	56-55-3	200	N.D.	
Benzo (b) fluoranthene	205-99-2	500	N.D.	
Benzo (k) fluoranthene	207-08-9	500	N.D.	
Benzo (g,h,i)perylene	191-24-2	500	N.D.	
Benzo (a) pyrene	50-32-8	500	N.D.	
Benzyl alcohol	100-51-6	200	N.D.	
Bis(2-chloroethoxy)methane	111-91-1	200	N.D.	
Bis(2-chloroethyl)ether	111-44-4	200	N.D.	
Bis(2-chloroisopropyl)ether	39638-32-9	200	N.D.	
Bis(2-ethylhexyl)phthalate	117-81-7	200	N.D.	
4-Bromophenyl phenyl ether	101-55-3	200	N.D.	
Butyl benzyl phthalate	85-68-7	200	N.D.	
4-Chloroaniline	106-47-8	200	N.D.	
2-Chloronaphthalene	91-58-7	200	N.D.	
4-Chloro-3-methylphenol	59-50-7	200	N.D.	
2-Chlorophenol	95-57-8	200	N.D.	
4-Chlorophenyl phenyl ehter	7005-72-3	200	N.D.	
Chrysene	218-0109	200	280	<---
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, B36-GS-25-5'
Laboratory Sample #: 97090381

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Fluoranthene	206-44-0	200	270	<---
Fluorene	86-73-7	200	N.D.	
Hexachlorobenzene	118-74-1	200	N.D.	
Hexachlorobutadiene	87-68-3	200	N.D.	
Hexachlorocyclopentadiene	77-47-4	200	N.D.	
Hexachloroethane	67-72-1	200	N.D.	
Indeno(1,2,3-cd)pyrene	193-39-5	500	N.D.	
Isophorone	78-59-1	200	N.D.	
2-Methylnaphthalene	91-57-6	200	N.D.	
2-Methylphenol	95-48-7	200	N.D.	
4-Methylphenol	106-44-5	200	N.D.	
Naphthalene	91-20-3	200	N.D.	
2-Nitroaniline	88-74-4	500	N.D.	
3-Nitroaniline	99-09-2	500	N.D.	
4-Nitroaniline	100-01-6	500	N.D.	
Nitrobenzene	98-95-3	200	N.D.	
2-Nitrophenol	88-75-5	200	N.D.	
4-Nitrophenol	100-02-7	200	N.D.	
N-Nitrosodiphenylamine	86-30-6	200	N.D.	
N-Nitroso-di-N-propylamine	621-64-7	200	N.D.	
N-Nitrosodimethylamine	62-75-9	200	N.D.	
Pentachlorophenol	87-86-5	500	N.D.	
Phenanthrene	85-01-8	200	N.D.	
Phenol	108-95-2	200	N.D.	
Pyrene	129-00-0	200	320	<---
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: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, B36-GS-25-5'

Sampled: 09/17/97
Received: 09/17/97
Analyzed: 09/24/97
Reported: 09/29/97

Laboratory Sample Number: 97090381
Laboratory Reference #: MWI 9561

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	26	<---

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

											QC(S)				
						S PP01 B36-GS-COMP1 03/18/98 13:35 Y 03/18/98 14:50 W									
						98030211					LAB SAMP NO.	R1	T CONC	SL[a]	DL[a]
											98030125	0.0	100	102	99
						03/19/98					03/19/98				
											98030197	0.00	10.0	10.70	10.70
						19					98030197	3.14	10.0	13.10	13.10
											98030197	3.32	5.00	7.99	7.92
											98030197	0.00	1.00	1.03	1.02
											98030197	0.00	1.00	1.03	1.02
											03/19/98				
											98030197	0.00	1.00	1.20	1.10
											03/19/98				
											98030197	0.39	1.00	1.37	1.38
											98030197	0.21	1.00	1.11	1.12
											98030197	0.55	1.00	1.64	1.63
											98030197	0.41	5.00	4.98	4.95
											03/19/98				
											98030198	0.00	0.20	0.23	0.22
											03/19/98				
											98030197	0.00	5.00	4.92	4.91
											98030197	0.32	5.00	4.97	4.94
											98030197	0.00	10.0	10.40	10.40
											98030197	0.00	5.00	5.11	5.18
											98030197	0.00	10.0	9.16	9.09
											98030197	0.74	5.00	5.73	5.70
											98030197	1.37	1.00	2.35	2.31

BOE-C6-0133450

Analytical Data Summary
Land Treatment Unit B41-LTU-2 (South Portion) Samples
Approximately 750 cubic yards

Analyte	EPA Method	Sample Number and Collection Date				Regulatory Levels	
		B41-GS-6-1' 9/29/97	B41-LTU2-GS-2 12/31/97	B41-LTU2-GS-3 3/18/98	B41-LTU2-GS-4 3/18/98	TTLC (mg/kg)	STLC (mg/L)
TRPH (mg/kg)	418.1	47.00	--	22.00	1,100.00		
Title 22 Metals (mg/kg)							
Antimony	6010	<5.00	<5.00	<5.00	<5.00	500	15
Arsenic	6010	51.00 (2)(3)	4.50	54.00 (4)(5)	160.00 (6)(7)	500	5
Barium	6010	85.00	82.00	87.00	170.00	10,000	100
Beryllium	6010	<0.10	<0.10	<0.10	<0.10	75	0.75
Cadmium	6010	1.20	1.10	<0.10	<0.10	100	1
Chromium (VI)	7196	<0.50	<0.50	<0.50	<0.50	500	5
Chromium (total)	6010	18.00	19.00	17.00	19.00	2,500	5 **
Cobalt	6010	5.80	6.00	8.90	11.00	8,000	80
Copper	6010	8.40	22.00	16.00	27.00	2,500	25
Lead (total)	6010	<1.0	19.00	4.80	21.00	1,000	5
Mercury	7471	<0.01	<0.01	<0.01	0.04	20	0.2
Molybdenum	6010	<0.50	<0.50	<0.50	<0.50	3,500	350
Nickel	6010	7.10	8.70	10.00	16.00	2,000	20
Selenium	6010	<1.00	<1.00	<1.00	<1.00	100	1
Silver	6010	<0.10	<0.10	<0.10	<0.10	500	5
Thallium	6010	<5.00	<5.00	<5.00	<5.00	700	7
Vanadium	6010	24.00	20.00	33.00	37.00	2,400	24
Zinc	6010	31.00	120.00	39.00	69.00	5,000	250
VOCs (µg/kg)	8260	--	ND	ND	ND		
SVOCs (1) (µg/kg)							
Anthracene	8270	--	<100.00	<100.00	190.00		
Benzo (a) Anthracene	8270	--	430.00	<100.00	320.00		
Benzo (b) Fluoranthene	8270	--	640.00	<250.00	<250.00		
Benzo (k) Fluoranthene	8270	--	530.00	<250.00	<250.00		
Benzo (g,h,i) Perylene	8270	--	1,000.00	<250.00	<250.00		
Benzo (a) Pyrene	8270	--	540.00	<250.00	270.00		
Chrysene	8270	--	810.00	<100.00	310.00		
Fluoranthene	8270	--	620.00	<100.00	750.00		
Indeno (1,2,3-cd) Pyrene	8270	--	670.00	<250.00	<250.00		
Phenanthrene	8270	--	190.00	<100.00	660.00		
Pyrene	8270	--	690.00	<100.00	520.00		
Carbon Chain Range (mg/kg)	8015m	--	--	--	--		
PCBs (µg/kg)	8080	--	--	--	--		

mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
mg/L = milligrams per liter
-- = not analyzed
ND = not detected
PCBs = Polychlorinated biphenyls
VOCs = Volatile Organic Compounds
SVOCs = Semi-volatile Organic Compounds
TRPH = Total Recoverable Petroleum Hydrocarbons

TTLC = California Total Threshold Limit Concentration
STLC = California Soluble Threshold Limit Concentration
(1) SVOCs not listed were not detected
(2) Waste Extraction Test performed on this sample. Result was 3.4 mg/L.
(3) TCLP analysis performed on this sample. Result was <1.0 mg/L.
(4) Waste Extraction Test performed on this sample. Result was 2.6 mg/L.
(5) TCLP analysis performed on this sample. Result was <1.0 mg/L.
(6) Waste Extraction Test performed on this sample. Result was <1.0 mg/L.
(7) TCLP analysis performed on this sample. Result was <1.0 mg/L.

** STLC is 560 mg/L when TCLP is performed and result is less than 5 mg/L per CCR Title 22.

REPLACES
PREVIOUS
B41-LTU-2
(1500 cu yds)

g:/MDRC/BACKFILL/STOCKPIL/Disposal/Bradly#2/b41ltu2

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, 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: The Boeing Company
Client Project #: 1206035.01090010

Analysis Method: 418.1

Sample Description: Soil,

Laboratory Reference #: MWI 9601

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 09/30/97
Reported: 09/30/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	Client Sample Number	Extractable Hydrocarbons mg/kg (ppm)
97090677	B41-GS-6-1'	47
Detection Limit:		8.0

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, 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: The Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil, B41-GS-6-1'

Sampled: 09/29/97
Received: 09/29/97
Analyzed: 9/30-10/01/02-97
Reported: 10/09/97

Laboratory Sample Number: 97090677
Laboratory Reference #: MWI 9601

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	51
Barium	6010	100	10000	0.1	85
Beryllium	6010	0.75	75	0.1	N.D.
Cadmium	6010	1.0	100	0.1	1.2
Chromium (VI)	7196	5.0	500	0.5	N.D.
Chromium Total	6010	560	2500	0.05	18
Cobalt	6010	80	8000	0.5	5.8
Copper	6010	25	2500	0.1	8.4
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	7.1
Selenium	6010	1.0	100	1.0	N.D.
Silver	6010	5.0	500	0.1	N.D.
Thallium	6010	7.0	700	5.0	N.D.
Vanadium	6010	24	2400	0.5	24
Zinc	6010	250	5000	0.1	31

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

										QC(W)	
							SAMP TYPE	S	S		
							RES CODE		PP01		
							SAMP ID		B41-GS-8-1'		
							SAMP DATE		09/29/97		
							SAMP TIME				
							SAMP DEPTH				
							PRESERVED				
							ICED	Y	Y		
							RECEIVED		09/29/97		
							REC TIME				
							BASIS		W		
METHOD ID	LIMIT1 SOIL	LIMIT1 WATER	LAB CAS ID	PF CODE	SURROG FLG	Units	LAB CHEM		97090677	LAB SAMP NO.	R1
							Tested		10/17/97	10/17/97	
STLC		1.0		S		ppm	Arsenic		3.4	97090677	3.4
TCLP		1.0		C		ppm	Arsenic		<	97090676	4.0

MWI 9849

METHOD ID	LIMIT1 SOIL	LIMIT1 WATER	LAB CAS ID	PF CODE	SURROG FLG	Units	LAB CHEM							
							SAMP TYPE					S		
							RES CODE					PP01		
							SAMP ID					B41-LTU2-GS-2		
							SAMP DATE					12/31/97		
							SAMP TIME					11:10		
							SAMP DEPTH					2'		
							PRESERVED							
							ICED					Y		
							RECEIVED					12/31/97		
							REC TIME					11:35		
							BASIS					W		
												97120587		
							Tested							
418.1	8.0	0.5		T		ppm	Extractable Hydrocarbons							
							Tested					01/02/98		
6010	5.0	0.5		T		ppm	Antimony					<		
6010	1.0	0.1		T		ppm	Arsenic					4.5		
6010	0.1	0.01		T		ppm	Barium					82		
6010	0.1	0.01		T		ppm	Beryllium					<		
6010	0.1	0.01		T		ppm	Cadmium					1.1		
							Tested					12/31/97		
7196	0.5	0.01		T		ppm	Chromium (VI)					<		
							Tested					01/02/98		
6010	0.1	0.01		T		ppm	Chromium Total					19		
6010	0.5	0.1		T		ppm	Cobalt					6.0		
6010	0.1	0.01		T		ppm	Copper					22		
6010	1.0	0.1		T		ppm	Lead					19		
							Tested					12/31/97		
7471	0.01	0.002		T		ppm	Mercury					<		
							Tested					01/02/98		
6010	0.5	0.1		T		ppm	Molybdenum					<		
6010	0.5	0.1		T		ppm	Nickel					8.7		
6010	1.0	0.1		T		ppm	Selenium					<		
6010	0.1	0.1		T		ppm	Silver					<		
6010	5.0	0.5		T		ppm	Thallium					<		
6010	0.5	0.1		T		ppm	Vanadium					20		
6010	0.1	0.01		T		ppm	Zinc					120		<
							Tested							
STLC		5.0		S		ppm	Antimony							
		1.0		S		ppm	Arsenic							
		0.1		S		ppm	Barium							
		0.1		S		ppm	Beryllium							
		0.1		S		ppm	Cadmium							
		0.5		S		ppm	Chromium (VI)							
		0.1		S		ppm	Chromium Total							
		0.5		S		ppm	Cobalt							
		0.1		S		ppm	Copper							

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		0.5		S		ppm	Molybdenum											
		0.5		S		ppm	Nickel											
		1.0		S		ppm	Selenium											
		0.1		S		ppm	Silver											
		5.0		S		ppm	Thallium											
		0.5		S		ppm	Vanadium											
		0.1		S		ppm	Zinc											
							Tested											
TCLP		5.0		C		ppm	Antimony											
		1.0		C		ppm	Arsenic											
		0.1		C		ppm	Barium											
		0.1		C		ppm	Beryllium											
		0.1		C		ppm	Cadmium											
		0.5		C		ppm	Chromium (VI)											
		0.1		C		ppm	Chromium Total											
		0.5		C		ppm	Cobalt											
		0.1		C		ppm	Copper											
		1.0		C		ppm	Lead											
		0.01		C		ppm	Mercury											
		0.5		C		ppm	Molybdenum											
		0.5		C		ppm	Nickel											
		1.0		C		ppm	Selenium											
		0.1		C		ppm	Silver											
		5.0		C		ppm	Thallium											
		0.5		C		ppm	Vanadium											
		0.1		C		ppm	Zinc											
							Tested								01/02/98			3
							Dilution Factor								1			
8260	2.5	0.5	71-43-2	T		ppb	Benzene								<			
8260	2.5	0.5	75-27-4	T		ppb	Bromodichloromethane								<			
8260	2.5	0.5	75-25-2	T		ppb	Bromoform								<			
8260	2.5	1.0	74-83-9	T		ppb	Bromomethane								<			
8260	5.0	0.5	75-15-0	T		ppb	Carbon Disulfide								<			
8260	2.5	0.5	56-23-5	T		ppb	Carbon tetrachloride								<			
8260	2.5	0.5	108-90-7	T		ppb	Chlorobenzene								<			
8260	2.5	0.5	124-48-1	T		ppb	Chlorodibromomethane								<			
8260	2.5	0.5	75-00-3	T		ppb	Chloroethane								<			
8260	5.0	0.5	110-75-8	T		ppb	2-Chloroethyl vinyl ether								<			
8260	2.5	0.5	67-66-3	T		ppb	Chloroform								<			
8260	2.5	0.5	74-87-3	T		ppb	Chloromethane								<			
8260	2.5	0.5	75-34-3	T		ppb	1,1-Dichloroethane								<			
8260	2.5	0.5	107-06-2	T		ppb	1,2-Dichloroethane								<			
8260	2.5	0.5	75-35-4	T		ppb	1,1-Dichloroethene								<			
8260	2.5	0.5	156-60-5	T		ppb	Trans 1,2-Dichloroethene								<			
8260	2.5	0.5	78-87-5	T		ppb	1,2-Dichloropropane								<			
8260	2.5	0.5	10061-01-5	T		ppb	cis-1,3-Dichloropropene								<			
8260	2.5	0.5	10061-02-6	T		ppb	trans-1,3-Dichloropropene								<			
8260	2.5	0.5	100-41-4	T		ppb	Ethylbenzene								<			
8260	5.0	2.5	75-09-2	T		ppb	Methylene chloride								<			
8260	2.5	0.5	100-42-5	T		ppb	Styrene								<			
8260	2.5	0.5	79-34-5	T		ppb	1,1,2,2-Tetrachloroethane								<			
8260	2.5	0.5	127-18-4	T		ppb	Tetrachloroethene								<			

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8260	2.5	0.5	108-88-3	T		ppb	Toluene							<				
8260	2.5	0.5	71-55-6	T		ppb	1,1,1-Trichloroethane							<				
8260	2.5	0.5	79-00-5	T		ppb	1,1,2-Trichloroethane							<				
8260	2.5	0.5	79-01-6	T		ppb	Trichloroethene							<				
8260	5.0	0.5	75-69-4	T		ppb	Trichlorofluoromethane							<				
8260	5.0	1.0	108-05-4	T		ppb	Vinyl acetate							<				
8260	2.5	0.5	75-01-4	T		ppb	Vinyl chloride							<				
8260	2.5	1.0	1330-20-7	T		ppb	Total Xylenes							<				
8260	2.5	0.5	75-71-8	T		ppb	Dichlorodifluoromethane							<				
8260	2.5	0.5	156-59-2	T		ppb	cis-1-2,-Dichloroethene							<				
8260	2.5	0.5	594-20-7	T		ppb	2,2-Dichloropropane							<				
8260	2.5	0.5	74-97-5	T		ppb	Bromochloromethane							<				
8260	2.5	0.5	563-58-6	T		ppb	1,1-Dichloropropene							<				
8260	2.5	0.5	74-95-3	T		ppb	Dibromomethane							<				
8260	2.5	0.5	106-93-4	T		ppb	1,2-Dibromoethane							<				
8260	2.5	0.5	142-28-9	T		ppb	1,3-Dichloropropane							<				
8260	2.5	0.5	98-82-8	T		ppb	Isopropylbenzene							<				
8260	2.5	0.5	79-34-5	T		ppb	1,1,2,2-Tetrachloroethane							<				
8260	2.5	0.5	96-18-4	T		ppb	1,2,3-Trichloropropane							<				
8260	2.5	0.5	108-86-1	T		ppb	Bromobenzene							<				
8260	2.5	0.5	103-65-1	T		ppb	n-Propylbenzene							<				
8260	2.5	0.5	95-49-8	T		ppb	2-Chlorotoluene							<				
8260	2.5	0.5	108-67-8	T		ppb	1,3,5-Trimethylbenzene							<				
8260	2.5	0.5	106-43-4	T		ppb	4-Chlorotoluene							<				
8260	2.5	0.5	98-06-6	T		ppb	tert-Butylbenzene							<				
8260	2.5	0.5	95-63-6	T		ppb	1,2,4-Trimethylbenzene							<				
8260	2.5	0.5	135-98-8	T		ppb	sec-Butylbenzene							<				
8260	2.5	0.5	99-87-6	T		ppb	4-Isopropyltoluene							<				
8260	2.5	0.5	541-73-1	T		ppb	1,3-Dichlorobenzene							<				
8260	2.5	0.5	106-46-7	T		ppb	1,4-Dichlorobenzene							<				
8260	2.5	0.5	104-51-8	T		ppb	n-Butylbenzene							<				
8260	2.5	0.5	95-50-1	T		ppb	1,2-Dichlorobenzene							<				
8260	5.0	1.0	96-12-8	T		ppb	1,2-Dibromo-3-CPA							<				
8260	2.5	0.5	120-82-1	T		ppb	1,2,4-Trichlorobenzene							<				
8260	2.5	0.5	87-68-3	T		ppb	Hexachlorobutadiene							<				
8260	2.5	0.5	91-20-3	T		ppb	Naphthalene							<				
8260	2.5	0.5	87-61-6	T		ppb	1,2,3-Trichlorobenzene							<				
					T	%	Dibromofluoromethane							100			1	
					T	%	Toluene-d8							93			1	
					T	%	4-Bromofluorobenzene							97			1	
							Tested	01 98		01 98		01 98		01/02/98	01 98		01/ 8	
							Dilution Factor							1				
8270	100	5.0	83-32-9	T		ppb	Acenaphthene							<				
8270	100	5.0	208-96-8	T		ppb	Acenaphthylene							<				
8270	100	5.0	62-53-3	T		ppb	Aniline							<				
8270	100	5.0	120-12-7	T		ppb	Anthracene							<				
8270	500	50	65-85-0	T		ppb	Benzoic Acid							<				
8270	100	5.0	56-55-3	T		ppb	Benzo (a) anthracene							430				
8270	250	25	205-99-2	T		ppb	Benzo (b) fluoranthene							640				
8270	250	25	207-08-9	T		ppb	Benzo (k) fluoranthene							530				
8270	250	25	191-24-2	T		ppb	Benzo (g,h,i)perylene							1,000				
8270	250	25	50-32-8	T		ppb	Benzo (a) pyrene							540				
8270	100	50	100-51-6	T		ppb	Benzyl alcohol							<				

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8270	100	5.0	111-91-1	T		ppb	Bis(2-chloroethoxy)methane						<				
8270	100	5.0	111-44-4	T		ppb	Bis(2-chloroethyl)ether						<				
8270	100	5.0	39638-32-9	T		ppb	Bis(2-chloroisopropyl)ether						<				
8270	100	3.0	117-81-7	T		ppb	Bis(2-ethylhexyl)phthalate						<				
8270	100	5.0	101-55-3	T		ppb	4-Bromophenyl phenyl ether						<				
8270	100	5.0	85-68-7	T		ppb	Butyl benzyl phthalate						<				
8270	100	5.0	106-47-8	T		ppb	4-Chloroaniline						<				
8270	100	5.0	91-58-7	T		ppb	2-Chloronaphthalene						<				
8270	100	5.0	59-50-7	T		ppb	4-Chloro-3-methylphenol						<				
8270	100	5.0	95-57-8	T		ppb	2-Chlorophenol						<				
8270	100	5.0	7005-72-3	T		ppb	4-Chlorophenyl phenyl ehter						<				
8270	100	5.0	218-0109	T		ppb	Chrysene						810				
8270	100	25	53-70-3	T		ppb	Dibenz(a,h)anthracene						<				
8270	100	5.0	132-64-9	T		ppb	Dibenzofuran						<				
8270	250	5.0	84-74-2	T		ppb	Di-N-butyl phthalate						<				
8270	100	5.0	541-73-1	T		ppb	1,3-Dichlorobenzene						<				
8270	100	5.0	106-46-7	T		ppb	1,4-Dichlorobenzene						<				
8270	100	5.0	95-50-1	T		ppb	1,2-Dichlorobenzene						<				
8270	100	5.0	91-94-1	T		ppb	3,3-Dichlorobenzidine						<				
8270	100	5.0	120-83-2	T		ppb	2,4-Dichlorophenol						<				
8270	100	5.0	84-66-2	T		ppb	Diethyl phthalate						<				
8270	100	5.0	105-67-9	T		ppb	2,4-Dimethylphenol						<				
8270	100	5.0	131-11-3	T		ppb	Dimethyl phthalate						<				
8270	100	50	534-52-1	T		ppb	4,6-Dinitro-2-methylphenol						<				
8270	100	50	51-28-5	T		ppb	2,4-Dinitrophenol						<				
8270	250	5.0	121-14-2	T		ppb	2,4-Dinitrotoluene						<				
8270	250	5.0	606-20-2	T		ppb	2,6-Dinitrotoluene						<				
8270	250	25	117-84-0	T		ppb	Di-N-octyl phthalate						<				
8270	100	5.0	206-44-0	T		ppb	Fluoranthene						620				
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						870				
8270	100	5.0	78-59-1	T		ppb	Isophorone						<				
8270	100	5.0	91-57-6	T		ppb	2-Methylnaphthalene						<				
8270	100	5.0	95-48-7	T		ppb	2-Methylphenol						<				
8270	100	5.0	106-44-5	T		ppb	4-Methylphenol						<				
8270	100	5.0	91-20-3	T		ppb	Naphthalene						<				
8270	250	50	88-74-4	T		ppb	2-Nitroaniline						<				
8270	250	50	99-09-2	T		ppb	3-Nitroaniline						<				
8270	250	50	100-01-6	T		ppb	4-Nitroaniline						<				
8270	100	5.0	98-95-3	T		ppb	Nitrobenzene						<				
8270	100	5.0	88-75-5	T		ppb	2-Nitrophenol						<				
8270	100	50	100-02-7	T		ppb	4-Nitrophenol						<				
8270	100	5.0	86-30-6	T		ppb	N-Nitrosodiphenylamine						<				
8270	100	5.0	621-64-7	T		ppb	N-Nitroso-di-N-propylamine						<				
8270	100	5.0	62-75-9	T		ppb	N-Nitrosodimethylamine						<				
8270	250	50	87-86-5	T		ppb	Pentachlorophenol						<				
8270	100	5.0	85-01-8	T		ppb	Phenanthrene						190				
8270	100	5.0	108-95-2	T		ppb	Phenol						<				
8270	100	5.0	129-00-0	T		ppb	Pyrene						690				
8270	100	5.0	120-82-1	T		ppb	1,2,4-Trichlorobenzene						<				
8270	100	5.0	95-95-4	T		ppb	2,4,5-Trichlorophenol						<				

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8270	100	5.0	88-06-2	T		ppb	2,4,6-Trichlorophenol					<			
							Tested								
							Dilution Factor								
8080	20	5.0	12674-11-2	T		ppb	PCB-1016								
8080	20	5.0	11104-28-2	T		ppb	PCB-1221								
8080	20	5.0	11141-16-5	T		ppb	PCB-1232								
8080	20	5.0	53469-21-9	T		ppb	PCB-1242								
8080	20	5.0	12672-29-6	T		ppb	PCB-1248								
8080	20	5.0	11097-69-1	T		ppb	PCB-1254								
8080	20	5.0	11096-82-5	T		ppb	PCB-1260								
							Tested								
							Dilution Factor								
8080	1.0	0.1	309-00-2	T		ppb	Aldrin								
8080	1.0	0.2	319-84-6	T		ppb	alpha-BHC								
8080	1.0	0.2	319-85-7	T		ppb	beta-BHC								
8080	2.0	0.2	319-86-8	T		ppb	gamma-BHC								
8080	1.0	0.2	58-89-9	T		ppb	gamma-BHC (Lindane)								
8080	10	0.2	57-74-9	T		ppb	Chlordane								
8080	2.0	0.5	72-54-9	T		ppb	4,4'-DDD								
8080	5.0	0.1	72-55-9	T		ppb	4,4'-DDE								
8080	1.0	0.1	50-29-3	T		ppb	4,4'-DDT								
8080	2.0	0.5	60-57-1	T		ppb	Dieldrin								
8080	1.0	0.5	959-98-8	T		ppb	Endosulfan I								
8080	2.0	0.5	33213-65-9	T		ppb	Endosulfan II								
8080	10	0.5	1031-07-8	T		ppb	Endosulfan sulfate								
8080	2.0	0.02	72-20-8	T		ppb	Endrin								
8080	2.0	0.2	7421-93-4	T		ppb	Endrin aldehyde								
8080	1.0	0.1	76-44-8	T		ppb	Heptachlor								
8080	1.0	0.2	1024-57-3	T		ppb	Heptachlor epoxide								
8080	30	9.0	72-43-5	T		ppb	Methoxychlor								
8080	35	0.5	8001-35-2	T		ppb	Toxaphene								
							Tested								
8015m				T		ppm	Up to & Including C-12								
8015m				T		ppm	C13-22								
8015m				T		ppm	C23 & Higher								
8015m	8.0	0.5		T		ppm	Total								
							Tested								
8015m	8.0	0.5		T		ppm	Diesel								
							Tested								
8015m	5.0	0.05		T		ppm	Gas								
							Tested								
9060	5.0	1.0		T		ppm	TOC								
							Tested								
9081	1.0	1.0		T		ppm	Cation Exchange Capacity								

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

METHOD ID	LIMIT1 SOIL	LIMIT1 WATER	LAB CAS ID	PF CODE	SURROG FLG	Units	LAB CHEM	98030197	98030198
							SAMP TYPE	S	S
							RES CODE	PP01	PP01
							SAMP ID	B41-LTU2-GS-4	B41-LTU2-GS-3
							SAMP DATE	03/18/98	03/18/98
							SAMP TIME	8:15	8:50
							SAMP DEPTH		
							PRESERVED		
							ICED	Y	Y
							RECEIVED	03/18/98	03/18/98
							REC TIME	14:50	14:50
							BASIS	W	W
							Tested	03/19/98	03/19/98
418.1	8.0	0.5		T		ppm	Extractable Hydrocarbons	1,100	22
							Tested	03/19/98	03/19/98
6010	5.0	0.5		T		ppm	Antimony	<	<
6010	1.0	0.1		T		ppm	Arsenic	160	54
6010	0.1	0.01		T		ppm	Barium	170	87
6010	0.1	0.01		T		ppm	Beryllium	<	<
6010	0.1	0.01		T		ppm	Cadmium	<	<
							Tested	03/19/98	03/19/98
7196	0.5	0.01		T		ppm	Chromium (VI)	<	<
							Tested	03/19/98	03/19/98
6010	0.1	0.01		T		ppm	Chromium Total	19	17
6010	0.5	0.1		T		ppm	Cobalt	11	8.9
6010	0.1	0.01		T		ppm	Copper	27	16
6010	1.0	0.1		T		ppm	Lead	21	4.8
							Tested	03/19/98	03/19/98
7471	0.01	0.002		T		ppm	Mercury	0.04	<
							Tested	03/19/98	03/19/98
6010	0.5	0.1		T		ppm	Molybdenum	<	<
6010	0.5	0.1		T		ppm	Nickel	16	10
6010	1.0	0.1		T		ppm	Selenium	<	<
6010	0.1	0.1		T		ppm	Silver	<	<
6010	5.0	0.5		T		ppm	Thallium	<	<
6010	0.5	0.1		T		ppm	Vanadium	37	33
6010	0.1	0.01		T		ppm	Zinc	69	39
							Tested		
STLC		5.0		S		ppm	Antimony		
		1.0		S		ppm	Arsenic		
		0.1		S		ppm	Barium		
		0.1		S		ppm	Beryllium		
		0.1		S		ppm	Cadmium		
		0.5		S		ppm	Chromium (VI)		
		0.1		S		ppm	Chromium Total		
		0.5		S		ppm	Cobalt		
		0.1		S		ppm	Copper		
		1.0		S		ppm	Lead		
		0.01		S		ppm	Mercury		

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		0.5		S		ppm	Molybdenum		
		0.5		S		ppm	Nickel		
		1.0		S		ppm	Selenium		
		0.1		S		ppm	Silver		
		5.0		S		ppm	Thallium		
		0.5		S		ppm	Vanadium		
		0.1		S		ppm	Zinc		
							Tested		
TCLP		5.0		C		ppm	Antimony		
		1.0		C		ppm	Arsenic		
		0.1		C		ppm	Barium		
		0.1		C		ppm	Beryllium		
		0.1		C		ppm	Cadmium		
		0.5		C		ppm	Chromium (VI)		
		0.1		C		ppm	Chromium Total		
		0.5		C		ppm	Cobalt		
		0.1		C		ppm	Copper		
		1.0		C		ppm	Lead		
		0.01		C		ppm	Mercury		
		0.5		C		ppm	Molybdenum		
		0.5		C		ppm	Nickel		
		1.0		C		ppm	Selenium		
		0.1		C		ppm	Silver		
		5.0		C		ppm	Thallium		
		0.5		C		ppm	Vanadium		
		0.1		C		ppm	Zinc		
							Tested	03/18/98	03/18/98
							Dilution Factor	1	1
8260	2.5	0.5	71-43-2	T		ppb	Benzene	<	<
8260	2.5	0.5	75-27-4	T		ppb	Bromodichloromethane	<	<
8260	2.5	0.5	75-25-2	T		ppb	Bromoform	<	<
8260	2.5	1.0	74-83-9	T		ppb	Bromomethane	<	<
8260	5.0	0.5	75-15-0	T		ppb	Carbon Disulfide	<	<
8260	2.5	0.5	56-23-5	T		ppb	Carbon tetrachloride	<	<
8260	2.5	0.5	108-90-7	T		ppb	Chlorobenzene	<	<
8260	2.5	0.5	124-48-1	T		ppb	Chlorodibromomethane	<	<
8260	2.5	0.5	75-00-3	T		ppb	Chloroethane	<	<
8260	5.0	0.5	110-75-8	T		ppb	2-Chloroethyl vinyl ether	<	<
8260	2.5	0.5	67-66-3	T		ppb	Chloroform	<	<
8260	2.5	0.5	74-87-3	T		ppb	Chloromethane	<	<
8260	2.5	0.5	75-34-3	T		ppb	1,1-Dichloroethane	<	<
8260	2.5	0.5	107-06-2	T		ppb	1,2-Dichloroethane	<	<
8260	2.5	0.5	75-35-4	T		ppb	1,1-Dichloroethene	<	<
8260	2.5	0.5	156-60-5	T		ppb	Trans 1,2-Dichloroethene	<	<
8260	2.5	0.5	78-87-5	T		ppb	1,2-Dichloropropane	<	<
8260	2.5	0.5	10061-01-5	T		ppb	cis-1,3-Dichloropropene	<	<
8260	2.5	0.5	10061-02-6	T		ppb	trans-1,3-Dichloropropene	<	<
8260	2.5	0.5	100-41-4	T		ppb	Ethylbenzene	<	<
8260	5.0	2.5	75-09-2	T		ppb	Methylene chloride	<	<
8260	2.5	0.5	100-42-5	T		ppb	Styrene	<	<
8260	2.5	0.5	79-34-5	T		ppb	1,1,2,2-Tetrachloroethane	<	<
8260	2.5	0.5	127-18-4	T		ppb	Tetrachloroethene	<	<

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8260	2.5	0.5	108-88-3	T		ppb	Toluene	<	<
8260	2.5	0.5	71-55-6	T		ppb	1,1,1-Trichloroethane	<	<
8260	2.5	0.5	79-00-5	T		ppb	1,1,2-Trichloroethane	<	<
8260	2.5	0.5	79-01-6	T		ppb	Trichloroethene	<	<
8260	5.0	0.5	75-69-4	T		ppb	Trichlorofluoromethane	<	<
8260	5.0	1.0	108-05-4	T		ppb	Vinyl acetate	<	<
8260	2.5	0.5	75-01-4	T		ppb	Vinyl chloride	<	<
8260	2.5	1.0	1330-20-7	T		ppb	Total Xylenes	<	<
8260	2.5	0.5	75-71-8	T		ppb	Dichlorodifluoromethane	<	<
8260	2.5	0.5	156-59-2	T		ppb	cis-1-2,-Dichloroethene	<	<
8260	2.5	0.5	594-20-7	T		ppb	2,2-Dichloropropane	<	<
8260	2.5	0.5	74-97-5	T		ppb	Bromochloromethane	<	<
8260	2.5	0.5	563-58-6	T		ppb	1,1-Dichloropropene	<	<
8260	2.5	0.5	74-95-3	T		ppb	Dibromomethane	<	<
8260	2.5	0.5	106-93-4	T		ppb	1,2-Dibromoethane	<	<
8260	2.5	0.5	142-28-9	T		ppb	1,3-Dichloropropane	<	<
8260	2.5	0.5	98-82-8	T		ppb	Isopropylbenzene	<	<
8260	2.5	0.5	79-34-5	T		ppb	1,1,2,2-Tetrachloroethane	<	<
8260	2.5	0.5	96-18-4	T		ppb	1,2,3-Trichloropropane	<	<
8260	2.5	0.5	108-86-1	T		ppb	Bromobenzene	<	<
8260	2.5	0.5	103-65-1	T		ppb	n-Propylbenzene	<	<
8260	2.5	0.5	95-49-8	T		ppb	2-Chlorotoluene	<	<
8260	2.5	0.5	108-67-8	T		ppb	1,3,5-Trimethylbenzene	<	<
8260	2.5	0.5	106-43-4	T		ppb	4-Chlorotoluene	<	<
8260	2.5	0.5	98-06-6	T		ppb	tert-Butylbenzene	<	<
8260	2.5	0.5	95-63-6	T		ppb	1,2,4-Trimethylbenzene	<	<
8260	2.5	0.5	135-98-8	T		ppb	sec-Butylbenzene	<	<
8260	2.5	0.5	99-87-6	T		ppb	4-Isopropyltoluene	<	<
8260	2.5	0.5	541-73-1	T		ppb	1,3-Dichlorobenzene	<	<
8260	2.5	0.5	106-46-7	T		ppb	1,4-Dichlorobenzene	<	<
8260	2.5	0.5	104-51-8	T		ppb	n-Butylbenzene	<	<
8260	2.5	0.5	95-50-1	T		ppb	1,2-Dichlorobenzene	<	<
8260	5.0	1.0	96-12-8	T		ppb	1,2-Dibromo-3-CPA	<	<
8260	2.5	0.5	120-82-1	T		ppb	1,2,4-Trichlorobenzene	<	<
8260	2.5	0.5	87-68-3	T		ppb	Hexachlorobutadiene	<	<
8260	2.5	0.5	91-20-3	T		ppb	Naphthalene	<	<
8260	2.5	0.5	87-61-6	T		ppb	1,2,3-Trichlorobenzene	<	<
					T	%	Dibromofluoromethane	111	106
					T	%	Toluene-d8	106	101
					T	%	4-Bromofluorobenzene	89	96
							Tested	03/19/98	03/19/98
							Dilution Factor	1	1
8270	100	5.0	83-32-9	T		ppb	Acenaphthene	<	<
8270	100	5.0	208-96-8	T		ppb	Acenaphthylene	<	<
8270	100	5.0	62-53-3	T		ppb	Aniline	<	<
8270	100	5.0	120-12-7	T		ppb	Anthracene	190	<
8270	500	50	65-85-0	T		ppb	Benzoic Acid	<	<
8270	100	5.0	56-55-3	T		ppb	Benzo (a) anthracene	320	<
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	270	<
8270	100	50	100-51-6	T		ppb	Benzyl alcohol	<	<

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8270	100	5.0	111-91-1	T		ppb	Bis(2-chloroethoxy)methane	<	<								
8270	100	5.0	111-44-4	T		ppb	Bis(2-chloroethyl)ether	<	<								
8270	100	5.0	39638-32-9	T		ppb	Bis(2-chloroisopropyl)ether	<	<								
8270	100	3.0	117-81-7	T		ppb	Bis(2-ethylhexyl)phthalate	<	<								
8270	100	5.0	101-55-3	T		ppb	4-Bromophenyl phenyl ether	<	<								
8270	100	5.0	85-68-7	T		ppb	Butyl benzyl phthalate	<	<								
8270	100	5.0	106-47-8	T		ppb	4-Chloroaniline	<	<								
8270	100	5.0	91-58-7	T		ppb	2-Chloronaphthalene	<	<								
8270	100	5.0	59-50-7	T		ppb	4-Chloro-3-methylphenol	<	<								
8270	100	5.0	95-57-8	T		ppb	2-Chlorophenol	<	<								
8270	100	5.0	7005-72-3	T		ppb	4-Chlorophenyl phenyl ehter	<	<								
8270	100	5.0	218-0109	T		ppb	Chrysene	310	<								
8270	100	25	53-70-3	T		ppb	Dibenz(a,h)anthracene	<	<								
8270	100	5.0	132-64-9	T		ppb	Dibenzofuran	<	<								
8270	250	5.0	84-74-2	T		ppb	Di-N-butyl phthalate	<	<								
8270	100	5.0	541-73-1	T		ppb	1,3-Dichlorobenzene	<	<								
8270	100	5.0	106-46-7	T		ppb	1,4-Dichlorobenzene	<	<								
8270	100	5.0	95-50-1	T		ppb	1,2-Dichlorobenzene	<	<								
8270	100	5.0	91-94-1	T		ppb	3,3-Dichlorobenzidine	<	<								
8270	100	5.0	120-83-2	T		ppb	2,4-Dichlorophenol	<	<								
8270	100	5.0	84-66-2	T		ppb	Diethyl phthalate	<	<								
8270	100	5.0	105-67-9	T		ppb	2,4-Dimethylphenol	<	<								
8270	100	5.0	131-11-3	T		ppb	Dimethyl phthalate	<	<								
8270	100	50	534-52-1	T		ppb	4,6-Dinitro-2-methylphenol	<	<								
8270	100	50	51-28-5	T		ppb	2,4-Dinitrophenol	<	<								
8270	250	5.0	121-14-2	T		ppb	2,4-Dinitrotoluene	<	<								
8270	250	5.0	606-20-2	T		ppb	2,6-Dinitrotoluene	<	<								
8270	250	25	117-84-0	T		ppb	Di-N-octyl phthalate	<	<								
8270	100	5.0	206-44-0	T		ppb	Fluoranthene	750	<								
8270	100	5.0	86-73-7	T		ppb	Fluorene	<	<								
8270	100	5.0	118-74-1	T		ppb	Hexachlorobenzene	<	<								
8270	100	5.0	87-68-3	T		ppb	Hexachlorobutadiene	<	<								
8270	100	5.0	77-47-4	T		ppb	Hexachlorocyclopentadiene	<	<								
8270	100	5.0	67-72-1	T		ppb	Hexachloroethane	<	<								
8270	250	25	193-39-5	T		ppb	Indeno(1,2,3-cd)pyrene	<	<								
8270	100	5.0	78-59-1	T		ppb	Isophorone	<	<								
8270	100	5.0	91-57-6	T		ppb	2-Methylnaphthalene	<	<								
8270	100	5.0	95-48-7	T		ppb	2-Methylphenol	<	<								
8270	100	5.0	106-44-5	T		ppb	4-Methylphenol	<	<								
8270	100	5.0	91-20-3	T		ppb	Naphthalene	<	<								
8270	250	50	88-74-4	T		ppb	2-Nitroaniline	<	<								
8270	250	50	99-09-2	T		ppb	3-Nitroaniline	<	<								
8270	250	50	100-01-6	T		ppb	4-Nitroaniline	<	<								
8270	100	5.0	98-95-3	T		ppb	Nitrobenzene	<	<								
8270	100	5.0	88-75-5	T		ppb	2-Nitrophenol	<	<								
8270	100	50	100-02-7	T		ppb	4-Nitrophenol	<	<								
8270	100	5.0	86-30-6	T		ppb	N-Nitrosodiphenylamine	<	<								
8270	100	5.0	621-64-7	T		ppb	N-Nitroso-di-N-propylamine	<	<								
8270	100	5.0	62-75-9	T		ppb	N-Nitrosodimethylamine	<	<								
8270	250	50	87-86-5	T		ppb	Pentachlorophenol	<	<								
8270	100	5.0	85-01-8	T		ppb	Phenanthrene	660	<								
8270	100	5.0	108-95-2	T		ppb	Phenol	<	<								
8270	100	5.0	129-00-0	T		ppb	Pyrene	520	<								
8270	100	5.0	120-82-1	T		ppb	1,2,4-Trichlorobenzene	<	<								
8270	100	5.0	95-95-4	T		ppb	2,4,5-Trichlorophenol	<	<								

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8270	100	5.0	88-06-2	T		ppb	2,4,6-Trichlorophenol	<	<							
							Tested									
							Dilution Factor									
8080	20	5.0	12674-11-2	T		ppb	PCB-1016									
8080	20	5.0	11104-28-2	T		ppb	PCB-1221									
8080	20	5.0	11141-16-5	T		ppb	PCB-1232									
8080	20	5.0	53469-21-9	T		ppb	PCB-1242									
8080	20	5.0	12672-29-6	T		ppb	PCB-1248									
8080	20	5.0	11097-69-1	T		ppb	PCB-1254									
8080	20	5.0	11096-82-5	T		ppb	PCB-1260									
							Tested									
							Dilution Factor									
8080	1.0	0.1	309-00-2	T		ppb	Aldrin									
8080	1.0	0.2	319-84-6	T		ppb	alpha-BHC									
8080	1.0	0.2	319-85-7	T		ppb	beta-BHC									
8080	2.0	0.2	319-86-8	T		ppb	gamma-BHC									
8080	1.0	0.2	58-89-9	T		ppb	gamma-BHC (Lindane)									
8080	10	0.2	57-74-9	T		ppb	Chlordane									
8080	2.0	0.5	72-54-9	T		ppb	4,4'-DDD									
8080	5.0	0.1	72-55-9	T		ppb	4,4'-DDE									
8080	1.0	0.1	50-29-3	T		ppb	4,4'-DDT									
8080	2.0	0.5	60-57-1	T		ppb	Dieldrin									
8080	1.0	0.5	959-98-8	T		ppb	Endosulfan I									
8080	2.0	0.5	33213-65-9	T		ppb	Endosulfan II									
8080	10	0.5	1031-07-8	T		ppb	Endosulfan sulfate									
8080	2.0	0.02	72-20-8	T		ppb	Endrin									
8080	2.0	0.2	7421-93-4	T		ppb	Endrin aldehyde									
8080	1.0	0.1	76-44-8	T		ppb	Heptachlor									
8080	1.0	0.2	1024-57-3	T		ppb	Heptachlor epoxide									
8080	30	9.0	72-43-5	T		ppb	Methoxychlor									
8080	35	0.5	8001-35-2	T		ppb	Toxaphene									
							Tested									
8015m				T		ppm	Up to & Including C-12									
8015m				T		ppm	C13-22									
8015m				T		ppm	C23 & Higher									
8015m	8.0	0.5		T		ppm	Total									
							Tested									
8015m	8.0	0.5		T		ppm	Diesel									
							Tested									
8015m	5.0	0.05		T		ppm	Gas									
							Tested									
9060	5.0	1.0		T		ppm	TOC									
							Tested									
9081	1.0	1.0		T		ppm	Cation Exchange Capacity									

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

BOE-C6-0133464

MWI 10036A

										QC(S)								QC(W)		
							SAMP TYPE	S	S											
							RES CODE	PP01	PP01											
							SAMP ID	B41-LTU2-GS-4	B41-LTU2-GS-3											
							SAMP DATE	03/18/98	03/18/98											
							SAMP TIME	8 15	8.50											
							SAMP DEPTH													
							PRESERVED													
							ICED	Y	Y											
							RECEIVED	03/18/98	03/18/98											
							REC TIME	14.50	14.50											
							BASIS	W	W											
METHOD ID	LIMIT1 SOIL	LIMIT1 WATER	LAB CAS ID	PF CODE	SURROG FLG	Units	LAB CHEM	98030197	98030198	LAB SAMP NO.	R1	T CONC	SL[a]	DL[a]	RECOVER	D RECOVER	RPD	LAB SAMP NO.	R1	T CONC
							Tested													
418 1	8 0	0 5		T		ppm	Extractable Hydrocarbons													
							Tested													
6010	5.0	0.5		T		ppm	Antimony													
6010	1.0	0 1		T		ppm	Arsenic													
6010	0.1	0.01		T		ppm	Barium													
6010	0.1	0.01		T		ppm	Beryllium													
6010	0.1	0.01		T		ppm	Cadmium													
							Tested													
7196	0.5	0.01		T		ppm	Chromium (VI)													
							Tested													
6010	0.1	0.01		T		ppm	Chromium Total													
6010	0 5	0 1		T		ppm	Cobalt													
6010	0.1	0.01		T		ppm	Copper													
6010	1.0	0 1		T		ppm	Lead													
							Tested													
7471	0.08	0.002		T		ppm	Mercury													
							Tested													
6010	0.5	0.1		T		ppm	Molybdenum													
6010	0.5	0.1		T		ppm	Nickel													
6010	1.0	0 1		T		ppm	Selenium													
6010	0.1	0.1		T		ppm	Silver													
6010	5.0	0 5		T		ppm	Thallium													
6010	0.5	0 1		T		ppm	Vanadium													
6010	0.1	0.01		T		ppm	Zinc													
							Tested	04/02/98	04/02/98	04/02/98										
STLC		5.0		S		ppm	Antimony													
		1.0		S		ppm	Arsenic	<	2.6	98060195	2.6	5.0	7 1	6 8	90	84	4			
		0.1		S		ppm	Barium													
		0 1		S		ppm	Beryllium													
		0 1		S		ppm	Cadmium													
		0.5		S		ppm	Chromium (VI)													
		0 1		S		ppm	Chromium Total													
		0.5		S		ppm	Cobalt													
		0 1		S		ppm	Copper													
		1.0		S		ppm	Lead													
		0.01		S		ppm	Mercury													

BOE-C6-0133465

MWI 10036A

		0.5		S		ppm	Molybdenum														
		0.5		S		ppm	Nickel														
		1.0		S		ppm	Selenium														
		0.1		S		ppm	Silver														
		5.0		S		ppm	Thallium														
		0.5		S		ppm	Vanadium														
		0.1		S		ppm	Zinc														
							Tested	04/02/98	04/02/98	04/02/98											
TCLP		5.0		C		ppm	Antimony														
		1.0		C		ppm	Arsenic	<	<	98030197	0.0	5.0	4.5	4.6	90	92	2				
		0.1		C		ppm	Barium														
		0.1		C		ppm	Beryllium														
		0.1		C		ppm	Cadmium														
		0.5		C		ppm	Chromium (VI)														
		0.1		C		ppm	Chromium Total														
		0.5		C		ppm	Cobalt														
		0.1		C		ppm	Copper														
		1.0		C		ppm	Lead														
		0.01		C		ppm	Mercury														
		0.5		C		ppm	Molybdenum														
		0.5		C		ppm	Nickel														
		1.0		C		ppm	Selenium														
		0.1		C		ppm	Silver														
		5.0		C		ppm	Thallium														
		0.5		C		ppm	Vanadium														
		0.1		C		ppm	Zinc														
							Tested														
							Dilution Factor														
8260	2.5	0.5	71-43-2	T		ppb	Benzene														
8260	2.5	0.5	75-27-4	T		ppb	Bromodichloromethane														
8260	2.5	0.5	75-25-2	T		ppb	Bromoform														
8260	2.5	1.0	74-83-9	T		ppb	Bromomethane														
8260	5.0	0.5	75-15-0	T		ppb	Carbon Disulfide														
8260	2.5	0.5	56-23-5	T		ppb	Carbon tetrachloride														
8260	2.5	0.5	108-90-7	T		ppb	Chlorobenzene														
8260	2.5	0.5	124-48-1	T		ppb	Chlorodibromomethane														
8260	2.5	0.5	75-00-3	T		ppb	Chloroethane														
8260	5.0	0.5	110-75-8	T		ppb	2-Chloroethyl vinyl ether														
8260	2.5	0.5	67-66-3	T		ppb	Chloroform														
8260	2.5	0.5	74-87-3	T		ppb	Chloromethane														
8260	2.5	0.5	75-34-3	T		ppb	1,1-Dichloroethane														
8260	2.5	0.5	107-06-2	T		ppb	1,2-Dichloroethane														
8260	2.5	0.5	75-35-4	T		ppb	1,1-Dichloroethene														
8260	2.5	0.5	156-60-5	T		ppb	Trans 1,2-Dichloroethene														
8260	2.5	0.5	78-87-5	T		ppb	1,2-Dichloropropane														
8260	2.5	0.5	10061-01-5	T		ppb	cis-1,3-Dichloropropene														
8260	2.5	0.5	10061-02-6	T		ppb	trans-1,3-Dichloropropene														
8260	2.5	0.5	100-41-4	T		ppb	Ethylbenzene														
8260	5.0	2.5	75-09-2	T		ppb	Methylene chloride														
8260	2.5	0.5	100-42-5	T		ppb	Styrene														
8260	2.5	0.5	79-34-5	T		ppb	1,1,2,2-Tetrachloroethane														
8260	2.5	0.5	127-18-4	T		ppb	Tetrachloroethene														

BOE-C6-0133466

Analytical Data Summary
Building 37 Clarifier #1 Fill Soil Stockpile "Carve-out"
Approximately 54 cubic yards

Analyte	EPA Method	Sample Number, Collection Date, Grid Location and Depth B37C1-GS-2-10.5' 9/18/97	Regulatory Levels TTLC (mg/kg)	 STLC (mg/L)
TRPH (mg/kg)	418.1	23		
Title 22 Metals (mg/kg)				
Antimony	6010	<5.0	500	15
Arsenic	6010	18	500	5
Barium	6010	2.6	10,000	100
Beryllium	6010	<0.1	75	0.75
Cadmium	6010	<0.1	100	1
Chromium (VI)	7196	<0.5	500	5
Chromium (total)	6010	160 (2)(3)	2,500	560 *
Cobalt	6010	8.8	8,000	80
Copper	6010	300 (4)	2,500	25
Lead (total)	6010	38	1,000	5
Mercury	7471	<0.01	20	0.2
Molybdenum	6010	13	3,500	350
Nickel	6010	79	2,000	20
Selenium	6010	<1.0	100	1
Silver	6010	<0.1	500	5
Thallium	6010	<5.0	700	7
Vanadium	6010	8.8	2,400	24
Zinc	6010	53	5,000	250
VOCs (1) (µg/kg)				
Benzene	8260	4.6		
Ethylbenzene	8260	3.0		
Toluene	8260	7.5		
Total Xylenes	8260	4.6		
SVOCs (1) (µg/kg)				
bis (2-Ethylhexyl)Phthalate	8270	2,100		
Carbon Chain Range (mg/kg)	8015m	--		
PCBs (1) (µg/kg)				
PCB-1254	8080	120		

mg/kg = milligrams per kilogram
mg/L = milligrams per liter
µg/L = micrograms per liter
-- = not analyzed
bgs = below ground surface
ND = not detected
PCBs = Polychlorinated biphenyls
VOCs = Volatile Organic Compounds

SVOCs = Semi-volatile Organic Compounds
TRPH = Total Recoverable Petroleum Hydrocarbons
TTLC = California Total Threshold Limit Concentration
STLC = California Soluble Threshold Limit Concentration
(1) VOCs, SVOCs, and PCBs not listed were not detected
(2) Waste Extraction Test performed on this sample. Result was 12 mg/L.
(3) TCLP analysis performed on this sample. Result was <0.1 mg/L.
(4) Waste Extraction Test performed on this sample. Result was <0.1 mg/L.
* STLC based on TCLP <0.1 mg/L per CCR Title 22.

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

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

Analysis Method: 418.1

Sample Description: Soil,

Laboratory Reference #: MWI 9567

Sampled: 09/18/97
Received: 09/18/97
Analyzed: 09/19/97
Reported: 09/19/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97090433	B37C1-GS-2-10.5'	23

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

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

Sample Description: Soil, B37C1-GS-2-10.5'

Sampled: 09/18/97
Received: 09/18/97
Analyzed: 9/19-24-26/1997
Reported: 09/30/97

Laboratory Sample Number: 97090433
Laboratory Reference #: MWI 9567

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	18
Barium	6010	100	10000	0.1	2.6
Beryllium	6010	0.75	75	0.1	N.D.
Cadmium	6010	1.0	100	0.1	N.D.
Chromium (VI)	7196	5.0	500	0.5	N.D.
Chromium Total	6010	560	2500	0.05	160
Cobalt	6010	80	8000	0.5	8.8
Copper	6010	25	2500	0.1	300
Lead	6010	5.0	1000	1.0	38
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	13
Nickel	6010	20	2000	0.5	79
Selenium	6010	1.0	100	1.0	N.D.
Silver	6010	5.0	500	0.1	N.D.
Thallium	6010	7.0	700	5.0	N.D.
Vanadium	6010	24	2400	0.5	8.8
Zinc	6010	250	5000	0.1	53

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

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

Sample Description: Soil, B37C1-GS-2-10.5'
Laboratory Sample Number: 97090433
Laboratory Reference #: MWI 9567

Sampled: 09/18/97
Received: 09/18/97
Analyzed: 09/29/97
Reported: 09/30/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Benzene	71-43-2	2.5	4.6	<---
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	3.0	<---
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	7.5	<---
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	4.6	<---
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, B37C1-GS-2-10.5'
Laboratory Sample #: 97090433

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	112
4-Bromofluorobenzene	107

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

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

Sample Description: Soil, B37C1-GS-2-10.5'
Laboratory Sample Number: 97090433
Laboratory Reference #: MWI 9567

Sampled: 09/18/97
Received: 09/18/97
Analyzed: 09/22/97
Reported: 09/30/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Acenaphthene	83-32-9	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	2,100	<---
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, B37C1-GS-2-10.5'
Laboratory Sample #: 97090433

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

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

Sample Description: Soil, B37C1-GS-2-10.5'

Sampled: 09/18/97
Received: 09/18/97
Analyzed: 09/24/97
Reported: 09/30/97

Laboratory Sample Number: 97090433
Laboratory Reference #: MWI 9567

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	120	<---
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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Laboratory Director

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

Client Project ID: Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil,
Laboratory Reference #: MWI 9567A

Sampled: 09/18/97
Received: 09/18/97
Analyzed: 10/10/97
Reported: 10/10/97

STLC CHROMIUM (TITLE 22/EPA 6010)

Laboratory Sample Number	*Client Sample Number*	*Sample Results (ppm)*
97090433	B37C1-GS-2-10.5'	12

Detection Limit:	0.1

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

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

Client Project ID: Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil,
Laboratory Reference #: MWI 9567A

Sampled: 09/18/97
Received: 09/18/97
Analyzed: 10/10/97
Reported: 10/10/97

TCLP CHROMIUM (EPA 1311/6010)

Laboratory Sample Number	Client Sample Number	Sample Results (ppm)
97090433	B37C1-GS-2-10.5'	N.D.

Detection Limit:	0.1

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

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

Client Project ID: Boeing Company
Client Project #: 1206035.01090010

Sample Description: Soil,
Laboratory Reference #: MWI 9567A

Sampled: 09/18/97
Received: 09/18/97
Analyzed: 10/10/97
Reported: 10/10/97

STLC COPPER (TITLE 22/EPA 6010)

Laboratory Sample Number	Client Sample Number	Sample Results (ppm)
97090433	B37C1-GS-2-10.5'	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

Analytical Data Summary
Remedial Excavation OA1-RE-1 Stockpile A/B/G
Approximately 40 cubic yards

Analyte	EPA Method	Sample Number and Collection Date			Regulatory Levels	
		OA1-RE1-SP1 7/15/97	OA1-RE1-SP2 7/15/97	OA1-RE1-SP7 7/15/97	TTLC (mg/kg)	STLC (mg/L)
TRPH (mg/kg)	418.1	2,100	1,000	3,100		
Title 22 Metals (mg/kg)						
Antimony	6010	<5.0	<5.0	<5.0	500	15
Arsenic	6010	<1.0	<1.0	<1.0	500	5
Barium	6010	100	110	110	10,000	100
Beryllium	6010	<0.1	<0.1	<0.1	75	0.75
Cadmium	6010	<0.1	<0.1	<0.1	100	1
Chromium (VI)	7196	<0.5	<0.5	<0.5	500	5
Chromium (total)	6010	80 (2)(3)	87 (6)(7)	110 (10)(11)	2,500	5
Cobalt	6010	7.4	7.3	7.0	8,000	80
Copper	6010	12	14	20	2,500	25
Lead (total)	6010	190 (4)(5)	220 (8)(9)	14	1,000	5
Mercury	7471	<0.01	<0.01	<0.01	20	0.2
Molybdenum	6010	<0.5	<0.5	<0.5	3,500	350
Nickel	6010	11	12	13	2,000	20
Selenium	6010	<1.0	<1.0	<1.0	100	1
Silver	6010	<0.1	<0.1	<0.1	500	5
Thallium	6010	<5.0	<5.0	<5.0	700	7
Vanadium	6010	33	34	36	2,400	24
Zinc	6010	44	60	65	5,000	250
VOCs (1) (µg/kg)						
Ethylbenzene	8260	<25	<25	1,700		
Tetrachloroethene	8260	<0.025	<0.025	<400		
Trichloroethene	8260	<0.025	<0.025	<400		
Total Xylenes	8260	<25	<25	13,000		
Isopropylbenzene	8260	<0.025	<0.025	<400		
n-Propylbenzene	8260	<25	<25	920		
1,3,5-Trimethylbenzene	8260	130	44	9,600		
tert-Butylbenzene	8260	<0.025	<0.025	<400		
1,2,4-Trimethylbenzene	8260	160	110	23,000		
sec-Butylbenzene	8260	<0.025	<0.025	<400		
p-Isopropyltoluene	8260	<0.025	<0.025	<400		
n-Butylbenzene	8260	31	40	1,100		
Naphthalene	8260	100	1,000	64,000		
1,2,4-Trichlorobenzene	8260	<0.025	<0.025	<400		
1,2,3-Trichlorobenzene	8260	<0.025	<0.025	<400		
SVOCs (1) (µg/kg)						
Acenaphthene	8270	2,900	620	3,500		
Anthracene	8270	1,700	1,800	7,500		
Benzo (a) Anthracene	8270	72,000	5,100	14,000		
Benzo (b) Fluoranthene	8270	76,000	6,200	12,000		
Benzo (k) Fluoranthene	8270	33,000	2,200	<5,000		
Benzo (a) Pyrene	8270	40,000	3,700	<5,000		
Benzo (g,h,i) Perylene	8270	28,000	3,000	10,000		
Chrysene	8270	200,000	9,900	31,000		
Dibenz (a,h) Anthracene	8270	9,700	1,000	<2,000		
Fluoranthene	8270	180,000	9,900	18,000		
Fluorene	8270	11,000	1,700	10,000		
Indeno (1,2,3-cd)Pyrene	8270	19,000	1,900	<5,000		
2-Methylnaphthalene	8270	85,000	8,600	160,000		
Naphthalene	8270	18,000	1,000	41,000		
Phenanthrene	8270	95,000	12,000	59,000		
Pyrene	8270	220,000	20,000	55,000		
Carbon Chain Range (mg/kg)						
Up to and including C12	8015m	--	--	--		
C13-C22	8015m	--	--	--		
C23 and higher	8015m	--	--	--		
PCBs (µg/kg)	8080	--	--	--		

mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
mg/L = milligrams per liter
-- = not analyzed
VOCs = Volatile Organic Compounds
SVOCs = Semi-volatile Organic Compounds
TRPH = Total Recoverable Petroleum Hydrocarbons
PCBs = Polychlorinated biphenyls
ND = not detected

TTLC = California Total Threshold Limit Concentration
STLC = California Soluble Threshold Limit Concentration
(1) VOCs and SVOCs not listed were not detected
(2) Waste Extraction Test performed on this sample. Result was 0.27 mg/L.
(3) TCLP analysis performed on this sample. Result was <0.1 mg/L.
(4) Waste Extraction Test performed on this sample. Result was <1.0 mg/L.
(5) TCLP analysis performed on this sample. Result was <1.0 mg/L.
(6) Waste Extraction Test performed on this sample. Result was 1.8 mg/L.
(7) TCLP analysis performed on this sample. Result was 0.13 mg/L.
(8) Waste Extraction Test performed on this sample. Result was 4.5 mg/L.
(9) TCLP analysis performed on this sample. Result was <1.0 mg/L.
(10) Waste Extraction Test performed on this sample. Result was 0.56 mg/L.
(11) TCLP analysis performed on this sample. Result was <0.1 mg/L.

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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 9338

Sampled: 07/15/97
Received: 07/15/97
Analyzed: 07/16/97
Reported: 07/16/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97070220	OA1-RE1-SP1	2,100
97070221	OA1-RE1-SP2	1,000
97070226	OA1-RE1-SP7	3,100

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-RE1-SP1

Sampled: 07/15/97
Recevied: 07/15/97
Analyzed: 07/16/97
Reported: 07/23/97

Laboratory Sample Number: 97070220
Laboratory Reference #: MWI 9338

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	80
Cobalt	6010	80	8000	0.5	7.4
Copper	6010	25	2500	0.1	12
Lead	6010	5.0	1000	1.0	190
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	44

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-RE1-SP2

Sampled: 07/15/97
Recevied: 07/15/97
Analyzed: 07/16/97
Reported: 07/23/97

Laboratory Sample Number: 97070221
Laboratory Reference #: MWI 9338

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	87
Cobalt	6010	80	8000	0.5	7.3
Copper	6010	25	2500	0.1	14
Lead	6010	5.0	1000	1.0	220
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	N.D.
Nickel	6010	20	2000	0.5	12
Selenium	6010	1.0	100	1.0	N.D.
Silver	6010	5.0	500	0.1	N.D.
Thallium	6010	7.0	700	5.0	N.D.
Vanadium	6010	24	2400	0.5	34
Zinc	6010	250	5000	0.1	60

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-RE1-SP7

Sampled: 07/15/97
Recevied: 07/15/97
Analyzed: 07/16/97
Reported: 07/23/97

Laboratory Sample Number: 97070226
Laboratory Reference #: MWI 9338

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	110
Cobalt	6010	80	8000	0.5	7.0
Copper	6010	25	2500	0.1	20
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	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	65

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-RE1-SP1
Laboratory Sample Number: 97070220
Laboratory Reference #: MWI 9338

Sampled: 07/15/97
Received: 07/15/97
Analyzed: 07/23/97
Reported: 07/23/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Soil, OA1-RE1-SP1
Laboratory Sample #: 97070220

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
1,3-Dichloropropane	142-28-9	25	N.D.	
Isopropylbenzene	98-82-8	25	N.D.	
1.1.2.2-Tetrachloroethane	79-34-5	25	N.D.	
1,2,3-Trichloropropane	96-18-4	25	N.D.	
Bromobenzene	108-86-1	25	N.D.	
n-Propylbenzene	103-65-1	25	N.D.	
2-Chlorotoluene	95-49-8	25	N.D.	
1,3,5-Trimethylbenzene	108-67-8	25	130	<---
4-Chlorotoluene	106-43-4	25	N.D.	
tert-Butylbenzene	98-06-6	25	N.D.	
1,2,4-Trimethylbenzene	95-63-6	25	160	<---
sec-Butylbenzene	135-98-8	25	N.D.	
4-Isopropyltoluene	99-87-6	25	N.D.	
1,3-Dichlorobenzene	541-73-1	25	N.D.	
1,4-Dichlorobenzene	106-46-7	25	N.D.	
n-Butylbenzene	104-51-8	25	31	<---
1,2-Dichlorobenzene	95-50-1	25	N.D.	
1-2-Dibromo-3-CPA	96-12-8	50	N.D.	
1,2,4-Trichlorobenzene	120-82-1	25	N.D.	
Hexachlorobutadiene	87-68-3	25	N.D.	
Naphthalene	91-20-3	25	100	<---
1,2,3-Trichlorobenzene	87-61-6	25	N.D.	

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	97
Toluene-d8	98
4-Bromofluorobenzene	93

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

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

Sample Description: Soil, OA1-RE1-SP2
Laboratory Sample Number: 97070221
Laboratory Reference #: MWI 9338

Sampled: 07/15/97
Received: 07/15/97
Analyzed: 07/23/97
Reported: 07/23/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Soil, OA1-RE1-SP2
Laboratory Sample #: 97070221

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
1,3-Dichloropropane	142-28-9	25	N.D.	
Isopropylbenzene	98-82-8	25	N.D.	
1.1.2.2-Tetrachloroethane	79-34-5	25	N.D.	
1,2,3-Trichloropropane	96-18-4	25	N.D.	
Bromobenzene	108-86-1	25	N.D.	
n-Propylbenzene	103-65-1	25	N.D.	
2-Chlorotoluene	95-49-8	25	N.D.	
1,3,5-Trimethylbenzene	108-67-8	25	44	<---
4-Chlorotoluene	106-43-4	25	N.D.	
tert-Butylbenzene	98-06-6	25	N.D.	
1,2,4-Trimethylbenzene	95-63-6	25	110	<---
sec-Butylbenzene	135-98-8	25	N.D.	
4-Isopropyltoluene	99-87-6	25	N.D.	
1,3-Dichlorobenzene	541-73-1	25	N.D.	
1,4-Dichlorobenzene	106-46-7	25	N.D.	
n-Butylbenzene	104-51-8	25	40	<---
1,2-Dichlorobenzene	95-50-1	25	N.D.	
1-2-Dibromo-3-CPA	96-12-8	50	N.D.	
1,2,4-Trichlorobenzene	120-82-1	25	N.D.	
Hexachlorobutadiene	87-68-3	25	N.D.	
Naphthalene	91-20-3	25	1,000	<---
1,2,3-Trichlorobenzene	87-61-6	25	N.D.	

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	99
Toluene-d8	94
4-Bromofluorobenzene	97

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

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

Sample Description: Soil, OA1-RE1-SP7
Laboratory Sample Number: 97070226
Laboratory Reference #: MWI 9338

Sampled: 07/15/97
Received: 07/15/97
Analyzed: 07/21/97
Reported: 07/23/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Benzene	71-43-2	400	N.D.	
Bromodichloromethane	75-27-4	400	N.D.	
Bromoform	75-25-2	400	N.D.	
Bromomethane	74-83-9	400	N.D.	
Carbon Disulfide	75-15-0	800	N.D.	
Carbon tetrachloride	56-23-5	400	N.D.	
Chlorobenzene	108-90-7	400	N.D.	
Chlorodibromomethane	124-48-1	400	N.D.	
Chloroethane	75-00-3	400	N.D.	
2-Chloroethyl vinyl ether	110-75-8	800	N.D.	
Chloroform	67-66-3	400	N.D.	
Chloromethane	74-87-3	400	N.D.	
1,1-Dichloroethane	75-34-3	400	N.D.	
1,2-Dichloroethane	107-06-2	400	N.D.	
1,1-Dichloroethene	75-35-4	400	N.D.	
Trans 1,2-Dichloroethene	156-60-5	400	N.D.	
1,2-Dichloropropane	78-87-5	400	N.D.	
cis-1,3-Dichloropropene	10061-01-5	400	N.D.	
trans-1,3-Dichloropropene	10061-02-6	400	N.D.	
Ethylbenzene	100-41-4	400	1,700	<---
Methylene chloride	75-09-2	800	N.D.	
Styrene	100-42-5	400	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	400	N.D.	
Tetrachloroethene	127-18-4	400	N.D.	
Toluene	108-88-3	400	N.D.	
1,1,1-Trichloroethane	71-55-6	400	N.D.	
1,1,2-Trichloroethane	79-00-5	400	N.D.	
Trichloroethene	79-01-6	400	N.D.	
Trichlorofluoromethane	75-69-4	800	N.D.	
Vinyl acetate	108-05-4	800	N.D.	
Vinyl chloride	75-01-4	400	N.D.	
Total Xylenes	1330-20-7	400	13,000	<---
Dichlorodifluoromethane	75-71-8	400	N.D.	
cis-1-2,-Dichloroethene	156-59-2	400	N.D.	
2,2-Dichloropropane	594-20-7	400	N.D.	
Bromochloromethane	74-97-5	400	N.D.	
1,1-Dichloropropene	563-58-6	400	N.D.	
Dibromomethane	74-95-3	400	N.D.	
1,2-Dibromoethane	106-93-4	400	N.D.	

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

Sample Description: Soil, OA1-RE1-SP7
Laboratory Sample #: 97070226

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
1,3-Dichloropropane	142-28-9	400	N.D.	
Isopropylbenzene	98-82-8	400	N.D.	
1.1.2.2-Tetrachloroethane	79-34-5	400	N.D.	
1,2,3-Trichloropropane	96-18-4	400	N.D.	
Bromobenzene	108-86-1	400	N.D.	
n-Propylbenzene	103-65-1	400	920	<---
2-Chlorotoluene	95-49-8	400	N.D.	
1,3,5-Trimethylbenzene	108-67-8	400	9,600	<---
4-Chlorotoluene	106-43-4	400	N.D.	
tert-Butylbenzene	98-06-6	400	N.D.	
1,2,4-Trimethylbenzene	95-63-6	400	23,000	<---
sec-Butylbenzene	135-98-8	400	N.D.	
4-Isopropyltoluene	99-87-6	400	N.D.	
1,3-Dichlorobenzene	541-73-1	400	N.D.	
1,4-Dichlorobenzene	106-46-7	400	N.D.	
n-Butylbenzene	104-51-8	400	1,100	<---
1,2-Dichlorobenzene	95-50-1	400	N.D.	
1-2-Dibromo-3-CPA	96-12-8	800	N.D.	
1,2,4-Trichlorobenzene	120-82-1	400	N.D.	
Hexachlorobutadiene	87-68-3	400	N.D.	
Naphthalene	91-20-3	400	64,000	<----
1,2,3-Trichlorobenzene	87-61-6	400	N.D.	

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	91
Toluene-d8	97
4-Bromofluorobenzene	93

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

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

Sample Description: Soil, OA1-RE1-SP1
Laboratory Sample Number: 97070220
Laboratory Reference #: MWI 9338

Sampled: 07/15/97
Received: 07/15/97
Analyzed: 07/17/97
Reported: 07/23/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Acenaphthene	83-32-9	2000	2,900
Acenaphthylene	208-96-8	2000	N.D.
Aniline	62-53-3	2000	N.D.
Anthracene	120-12-7	2000	1,700
Benzoic Acid	65-85-0	10000	N.D.
Benzo (a) anthracene	56-55-3	2000	72,000
Benzo (b) fluoranthene	205-99-2	5000	76,000
Benzo (k) fluoranthene	207-08-9	5000	33,000
Benzo (g,h,i)perylene	191-24-2	5000	28,000
Benzo (a) pyrene	50-32-8	5000	40,000
Benzyl alcohol	100-51-6	2000	N.D.
Bis(2-chloroethoxy)methane	111-91-1	2000	N.D.
Bis(2-chloroethyl)ether	111-44-4	2000	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	2000	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	2000	N.D.
4-Bromophenyl phenyl ether	101-55-3	2000	N.D.
Butyl benzyl phthalate	85-68-7	2000	N.D.
4-Chloroaniline	106-47-8	2000	N.D.
2-Chloronaphthalene	91-58-7	2000	N.D.
4-Chloro-3-methylphenol	59-50-7	2000	N.D.
2-Chlorophenol	95-57-8	2000	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	2000	N.D.
Chrysene	218-0109	2000	200,000
Dibenz(a,h)anthracene	53-70-3	2000	9,700
Dibenzofuran	132-64-9	2000	N.D.
Di-N-butyl phthalate	84-74-2	5000	N.D.
1,3-Dichlorobenzene	541-73-1	2000	N.D.
1,4-Dichlorobenzene	106-46-7	2000	N.D.
1,2-Dichlorobenzene	95-50-1	2000	N.D.
3,3-Dichlorobenzidine	91-94-1	2000	N.D.
2,4-Dichlorophenol	120-83-2	2000	N.D.
Diethyl phthalate	84-66-2	2000	N.D.
2,4-Dimethylphenol	105-67-9	2000	N.D.
Dimethyl phthalate	131-11-3	2000	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	2000	N.D.
2,4-Dinitrophenol	51-28-5	2000	N.D.
2,4-Dinitrotoluene	121-14-2	2000	N.D.
2,6-Dinitrotoluene	606-20-2	2000	N.D.
Di-N-octyl phthalate	117-84-0	2000	N.D.

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

Sample Description: Soil, OA1-RE1-SP1
Laboratory Sample #: 97070220

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Fluoranthene	206-44-0	5000	180,000
Fluorene	86-73-7	5000	11,000
Hexachlorobenzene	118-74-1	5000	N.D.
Hexachlorobutadiene	87-68-3	2000	N.D.
Hexachlorocyclopentadiene	77-47-4	2000	N.D.
Hexachloroethane	67-72-1	2000	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	5000	19,000
Isophorone	78-59-1	2000	N.D.
2-Methylnaphthalene	91-57-6	2000	85,000
2-Methylphenol	95-48-7	2000	N.D.
4-Methylphenol	106-44-5	2000	N.D.
Naphthalene	91-20-3	2000	18,000
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	95,000
Phenol	108-95-2	2000	N.D.
Pyrene	129-00-0	2000	220,000
1,2,4-Trichlorobenzene	120-82-1	2000	N.D.
2,4,5-Trichlorophenol	95-95-4	2000	N.D.
2,4,6-Trichlorophenol	88-06-2	2000	N.D.

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

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

Sample Description: Soil, OA1-RE1-SP2
Laboratory Sample Number: 97070221
Laboratory Reference #: MWI 9338

Sampled: 07/15/97
Received: 07/15/97
Analyzed: 07/16/97
Reported: 07/23/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Acenaphthene	83-32-9	200	620
Acenaphthylene	208-96-8	200	N.D.
Aniline	62-53-3	200	N.D.
Anthracene	120-12-7	200	1,800
Benzoic Acid	65-85-0	1000	N.D.
Benzo (a) anthracene	56-55-3	200	5,100
Benzo (b) fluoranthene	205-99-2	500	6,200
Benzo (k) fluoranthene	207-08-9	500	2,200
Benzo (g,h,i)perylene	191-24-2	500	3,000
Benzo (a) pyrene	50-32-8	500	3,700
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	9,900
Dibenz(a,h)anthracene	53-70-3	200	1,000
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	200	N.D.
2,6-Dinitrotoluene	606-20-2	200	N.D.
Di-N-octyl phthalate	117-84-0	200	N.D.

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

Sample Description: Soil, OA1-RE1-SP2
Laboratory Sample #: 97070221

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Fluoranthene	206-44-0	500	9,900
Fluorene	86-73-7	500	1,700
Hexachlorobenzene	118-74-1	500	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	1,900
Isophorone	78-59-1	200	N.D.
2-Methylnaphthalene	91-57-6	200	8,600
2-Methylphenol	95-48-7	200	N.D.
4-Methylphenol	106-44-5	200	N.D.
Naphthalene	91-20-3	200	1,000
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	12,000
Phenol	108-95-2	200	N.D.
Pyrene	129-00-0	200	20,000
1,2,4-Trichlorobenzene	120-82-1	200	N.D.
2,4,5-Trichlorophenol	95-95-4	200	N.D.
2,4,6-Trichlorophenol	88-06-2	200	N.D.

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

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

Sample Description: Soil, OA1-RE1-SP7
Laboratory Sample Number: 97070226
Laboratory Reference #: MWI 9338

Sampled: 07/15/97
Received: 07/15/97
Analyzed: 07/17/97
Reported: 07/23/97

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Acenaphthene	83-32-9	2000	3,500
Acenaphthylene	208-96-8	2000	N.D.
Aniline	62-53-3	2000	N.D.
Anthracene	120-12-7	2000	7,500
Benzoic Acid	65-85-0	10000	N.D.
Benzo (a) anthracene	56-55-3	2000	14,000
Benzo (b) fluoranthene	205-99-2	5000	12,000
Benzo (k) fluoranthene	207-08-9	5000	N.D.
Benzo (g,h,i)perylene	191-24-2	5000	10,000
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	31,000
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	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-RE1-SP7
Laboratory Sample #: 97070226

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Fluoranthene	206-44-0	5000	18,000
Fluorene	86-73-7	5000	10,000
Hexachlorobenzene	118-74-1	5000	N.D.
Hexachlorobutadiene	87-68-3	2000	N.D.
Hexachlorocyclopentadiene	77-47-4	2000	N.D.
Hexachloroethane	67-72-1	2000	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	5000	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	41,000
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	59,000
Phenol	108-95-2	2000	N.D.
Pyrene	129-00-0	2000	55,000
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

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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,
Laboratory Reference #: MWI 9338A

Sampled: 07/15/97
Received: 07/15/97
Analyzed: 08/04/97
Reported: 08/04/97

STLC CHROMIUM (TITLE 22/EPA 6010)

Laboratory Sample Number	Client Sample Number	Sample Results (ppm)
97070220	OA1-RE1-SP1	0.27
97070221	OA1-RE1-SP2	1.8
97070226	OA1-RE1-SP7	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

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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 9338A

Sampled: 07/15/97
Received: 07/15/97
Analyzed: 08/04/97
Reported: 08/04/97

TCLP CHROMIUM (EPA 1311/6010)

Laboratory Sample Number	Client Sample Number	Sample Results (ppm)
97070220	OA1-RE1-SP1	N.D.
97070221	OA1-RE1-SP2	0.13
97070226	OA1-RE1-SP7	N.D.
Detection Limit:		0.1

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,
Laboratory Reference #: MWI 9338A

Sampled: 07/15/97
Received: 07/15/97
Analyzed: 08/04/97
Reported: 08/04/97

STLC LEAD (TITLE 22/EPA 6010)

Laboratory Sample Number	Client Sample Number	Sample Results (ppm)
97070220	OA1-RE1-SP1	N.D.
97070221	OA1-RE1-SP2	4.5
Detection Limit:		1.0

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil,
Laboratory Reference #: MWI 9338A

Sampled: 07/15/97
Received: 07/15/97
Analyzed: 08/04/97
Reported: 08/04/97

TCLP LEAD (EPA 1311/6010)

Laboratory Sample Number	Client Sample Number	Sample Results (ppm)
97070220	OA1-RE1-SP1	N.D.
97070221	OA1-RE1-SP2	N.D.
Detection Limit:		1.0

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Analytical Data Summary
Remedial Excavation Stockpile OA1-RE-1 I and J and OA1-RE-2 A2
Approximately 40 cubic yards

Analyte	EPA Method	Sample Number and Collection Date				Regulatory Levels	
		OA1-RE1-SP9 7/16/97	OA1-RE1-SP10 7/16/97	PL-GS-1-2.5' 6/3/97	OA1-RE2-SP1B 7/16/97	TTLC (mg/kg)	STLC (mg/L)
TRPH (mg/kg)	418.1	700	13,000	16,000	83		
TPHd (mg/kg)	8015M	--	--	38,000	--		
TPHg (mg/kg)	8015M	--	--	100	--		
Title 22 Metals (mg/kg)							
Antimony	6010	<5.0	<5.0	<5.0	<5.0	500	15
Arsenic	6010	<1.0	<1.0	<1.0	<1.0	500	5
Barium	6010	110	95	96	110	10,000	100
Beryllium	6010	<0.1	<0.1	<0.1	<0.1	75	0.75
Cadmium	6010	<0.1	<0.1	1.4	<0.1	100	1
Chromium (VI)	7196	<0.5	<0.5	<0.5	<0.5	500	5
Chromium (total)	6010	31	38	250 (2)	29	2,500	5
Cobalt	6010	8.3	6.6	6.0	8.1	8,000	80
Copper	6010	12	11	28	11	2,500	25
Lead (total)	6010	<1.0	21	290 (3)	5.0	1,000	5
Mercury	7471	<0.01	<0.01	<0.01	<0.01	20	0.2
Molybdenum	6010	<0.5	<0.5	<0.5	<0.5	3,500	350
Nickel	6010	13	11	15	14	2,000	20
Selenium	6010	<1.0	<1.0	<1.0	<1.0	100	1
Silver	6010	<0.1	<0.1	<0.1	<0.1	500	5
Thallium	6010	<5.0	<5.0	<5.0	<5.0	700	7
Vanadium	6010	36	28	28	27	2,400	24
Zinc	6010	45	41	94	48	5,000	250
VOCs (1) (µg/kg)							
Ethylbenzene	8260	<25	<50	270	<2.5		
Total Xylenes	8260	<25	<50	140	<2.5		
Isopropylbenzene	8260	<25	<50	100	<2.5		
n-Propylbenzene	8260	63	<50	190	<2.5		
1,3,5-Trimethylbenzene	8260	<25	110	210	<2.5		
1,2,4-Trimethylbenzene	8260	110	<50	350	<2.5		
sec-Butylbenzene	8260	<25	<50	130	<2.5		
n-Butylbenzene	8260	110	<50	<50	<2.5		
Naphthalene	8260	4,300	860	1,300	17		
SVOCs (1) (µg/kg)							
Acenaphthene	8270	890	4,300	2,100	<100		
Anthracene	8270	1,900	11,000	5,600	160		
Benzo (a) Anthracene	8270	2,800	26,000	15,000	790		
Benzo (b) Fluoranthene	8270	2,100	28,000	23,000	1,200		
Benzo (k) Fluoranthene	8270	790	12,000	7,200	<250		
Benzo (a) Pyrene	8270	2,800	22,000	13,000	570		
Benzo (g,h,i) Perylene	8270	2,000	14,000	10,000	420		
Chrysene	8270	3,700	48,000	30,000	2,100		
Fluoranthene	8270	2,500	53,000	30,000	1,700		
Fluorene	8270	1,600	13,000	5,600	<100		
Indeno (1,2,3-cd)Pyrene	8270	980	6,800	6,300	300		
2-Methylnaphthalene	8270	31,000	160,000	8,200	430		
Naphthalene	8270	6,800	41,000	1,400	<100		
Phenanthrene	8270	14,000	80,000	36,000	970		
Pyrene	8270	13,000	120,000	72,000	2,200		
Carbon Chain Range (mg/kg)							
Up to and including C12	8015m	--	480	1,500	--		
C13-C22	8015m	--	7,600	31,000	--		
C23 and higher	8015m	--	2,100	7,900	--		
PCBs (µg/kg)	8080	--	ND	ND	--		

mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
mg/L = milligrams per liter
-- = not analyzed
VOCs = Volatile Organic Compounds
SVOCs = Semi-volatile Organic Compounds
TRPH = Total Recoverable Petroleum Hydrocarbons
TPHd = Total Petroleum Hydrocarbons as diesel
TPHg = Total Petroleum Hydrocarbons as gasoline

PCBs = Polychlorinated biphenyls
ND = not detected
TTLC = California Total Threshold Limit Concentration
STLC = California Soluble Threshold Limit Concentration
(1) VOCs and SVOCs not listed were not detected.
(2) Waste Extraction Test performed on this sample. Result was 4.5 mg/L.
(3) Waste Extraction Test performed on this sample. Result was 1.8 mg/L.

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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: 07/16/97
Sample Description: Soil,
Received: 07/16/97
Analyzed: 07/17/97
Laboratory Reference #: MWI 9344
Reported: 07/17/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97070242	OA1-RE1-SP9	700
97070243	OA1-RE1-SP10	13,000
97070245	OA1-RE2-SP1B	83
Detection Limit:		8.0

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: Soil, OA1-RE1-SP9

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

Laboratory Sample Number: 97070242
Laboratory Reference #: MWI 9344

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*
Antimony	6010	15	500	5.0	N.D.
Arsenic	6010	5.0	500	1.0	N.D.
Barium	6010	100	10000	0.1	110
Beryllium	6010	0.75	75	0.1	N.D.
Cadmium	6010	1.0	100	0.1	N.D.
Chromium (VI)	7196	5.0	500	0.5	N.D.
Chromium Total	6010	560	2500	0.05	31
Cobalt	6010	80	8000	0.5	8.3
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	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	45

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-RE1-SP10

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

Laboratory Sample Number: 97070243
Laboratory Reference #: MWI 9344

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*
Antimony	6010	15	500	5.0	N.D.
Arsenic	6010	5.0	500	1.0	N.D.
Barium	6010	100	10000	0.1	95
Beryllium	6010	0.75	75	0.1	N.D.
Cadmium	6010	1.0	100	0.1	N.D.
Chromium (VI)	7196	5.0	500	0.5	N.D.
Chromium Total	6010	560	2500	0.05	38
Cobalt	6010	80	8000	0.5	6.6
Copper	6010	25	2500	0.1	11
Lead	6010	5.0	1000	1.0	21
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	N.D.
Nickel	6010	20	2000	0.5	11
Selenium	6010	1.0	100	1.0	N.D.
Silver	6010	5.0	500	0.1	N.D.
Thallium	6010	7.0	700	5.0	N.D.
Vanadium	6010	24	2400	0.5	28
Zinc	6010	250	5000	0.1	41

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

ORANGE COAST ANALYTICAL

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, OA1-RE2-SP1B

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

Laboratory Sample Number: 97070245
Laboratory Reference #: MWI 9344

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*
Antimony	6010	15	500	5.0	N.D.
Arsenic	6010	5.0	500	1.0	N.D.
Barium	6010	100	10000	0.1	110
Beryllium	6010	0.75	75	0.1	N.D.
Cadmium	6010	1.0	100	0.1	N.D.
Chromium (VI)	7196	5.0	500	0.5	N.D.
Chromium Total	6010	560	2500	0.05	29
Cobalt	6010	80	8000	0.5	8.1
Copper	6010	25	2500	0.1	11
Lead	6010	5.0	1000	1.0	5.0
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	N.D.
Nickel	6010	20	2000	0.5	14
Selenium	6010	1.0	100	1.0	N.D.
Silver	6010	5.0	500	0.1	N.D.
Thallium	6010	7.0	700	5.0	N.D.
Vanadium	6010	24	2400	0.5	27
Zinc	6010	250	5000	0.1	48

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

ORANGE COAST ANALYTICAL

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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-RE1-SP9
Laboratory Sample Number: 97070242
Laboratory Reference #: MWI 9344

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

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

Sample Description: Soil, OA1-RE1-SP9
Laboratory Sample #: 97070242

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
1,3-Dichloropropane	142-28-9	25	N.D.	
Isopropylbenzene	98-82-8	25	N.D.	
1.1.2.2-Tetrachloroethane	79-34-5	25	N.D.	
1,2,3-Trichloropropane	96-18-4	25	N.D.	
Bromobenzene	108-86-1	25	N.D.	
n-Propylbenzene	103-65-1	25	63	<---
2-Chlorotoluene	95-49-8	25	N.D.	
1,3,5-Trimethylbenzene	108-67-8	25	N.D.	
4-Chlorotoluene	106-43-4	25	N.D.	
tert-Butylbenzene	98-06-6	25	N.D.	
1,2,4-Trimethylbenzene	95-63-6	25	110	<---
sec-Butylbenzene	135-98-8	25	N.D.	
4-Isopropyltoluene	99-87-6	25	N.D.	
1,3-Dichlorobenzene	541-73-1	25	N.D.	
1,4-Dichlorobenzene	106-46-7	25	N.D.	
n-Butylbenzene	104-51-8	25	110	<---
1,2-Dichlorobenzene	95-50-1	25	N.D.	
1-2-Dibromo-3-CPA	96-12-8	50	N.D.	
1,2,4-Trichlorobenzene	120-82-1	25	N.D.	
Hexachlorobutadiene	87-68-3	25	N.D.	
Naphthalene	91-20-3	25	4,300	<---
1,2,3-Trichlorobenzene	87-61-6	25	N.D.	

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries %

Dibromofluoromethane	91
Toluene-d8	98
4-Bromofluorobenzene	93

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

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

Sample Description: Soil, OA1-RE1-SP10
Laboratory Sample Number: 97070243
Laboratory Reference #: MWI 9344

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

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Benzene	71-43-2	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-RE1-SP10
Laboratory Sample #: 97070243

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	110	<---
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	N.D.	
1,3-Dichlorobenzene	541-73-1	50	N.D.	
1,4-Dichlorobenzene	106-46-7	50	N.D.	
n-Butylbenzene	104-51-8	50	N.D.	
1,2-Dichlorobenzene	95-50-1	50	N.D.	
1-2-Dibromo-3-CPA	96-12-8	100	N.D.	
1,2,4-Trichlorobenzene	120-82-1	50	N.D.	
Hexachlorobutadiene	87-68-3	50	N.D.	
Naphthalene	91-20-3	50	860	<---
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	93
Toluene-d8	99
4-Bromofluorobenzene	94

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

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

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

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

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

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

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

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
1,3-Dichloropropane	142-28-9	2.5	N.D.
Isopropylbenzene	98-82-8	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
1,2,3-Trichloropropane	96-18-4	2.5	N.D.
Bromobenzene	108-86-1	2.5	N.D.
n-Propylbenzene	103-65-1	2.5	N.D.
2-Chlorotoluene	95-49-8	2.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.
4-Chlorotoluene	106-43-4	2.5	N.D.
tert-Butylbenzene	98-06-6	2.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	2.5	N.D.
sec-Butylbenzene	135-98-8	2.5	N.D.
4-Isopropyltoluene	99-87-6	2.5	N.D.
1,3-Dichlorobenzene	541-73-1	2.5	N.D.
1,4-Dichlorobenzene	106-46-7	2.5	N.D.
n-Butylbenzene	104-51-8	2.5	N.D.
1,2-Dichlorobenzene	95-50-1	2.5	N.D.
1,2-Dibromo-3-CPA	96-12-8	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.
Hexachlorobutadiene	87-68-3	2.5	N.D.
Naphthalene	91-20-3	2.5	17
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	92
Toluene-d8	97
4-Bromofluorobenzene	89

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

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

Sample Description: Soil, OA1-RE1-SP9
Laboratory Sample Number: 97070242
Laboratory Reference #: MWI 9344

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

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Acenaphthene	83-32-9	200	890
Acenaphthylene	208-96-8	200	N.D.
Aniline	62-53-3	200	N.D.
Anthracene	120-12-7	200	1,900
Benzoic Acid	65-85-0	1000	N.D.
Benzo (a) anthracene	56-55-3	200	2,800
Benzo (b) fluoranthene	205-99-2	500	2,100
Benzo (k) fluoranthene	207-08-9	500	790
Benzo (g,h,i)perylene	191-24-2	500	2,000
Benzo (a) pyrene	50-32-8	500	2,800
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	3,700
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-N-butyl phthalate	84-74-2	100	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	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-RE1-SP9
Laboratory Sample #: 97070242

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Fluoranthene	206-44-0	200	2,500
Fluorene	86-73-7	200	1,600
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	980
Isophorone	78-59-1	200	N.D.
2-Methylnaphthalene	91-57-6	200	31,000
2-Methylphenol	95-48-7	200	N.D.
4-Methylphenol	106-44-5	200	N.D.
Naphthalene	91-20-3	200	6,800
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	14,000
Phenol	108-95-2	200	N.D.
Pyrene	129-00-0	200	13,000
1,2,4-Trichlorobenzene	120-82-1	200	N.D.
2,4,5-Trichlorophenol	95-95-4	200	N.D.
2,4,6-Trichlorophenol	88-06-2	200	N.D.

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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-RE1-SP10
Laboratory Sample Number: 97070243
Laboratory Reference #: MWI 9344

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

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Acenaphthene	83-32-9	2000	4,300
Acenaphthylene	208-96-8	2000	N.D.
Aniline	62-53-3	2000	N.D.
Anthracene	120-12-7	2000	11,000
Benzoic Acid	65-85-0	10000	N.D.
Benzo (a) anthracene	56-55-3	2000	26,000
Benzo (b) fluoranthene	205-99-2	5000	28,000
Benzo (k) fluoranthene	207-08-9	5000	12,000
Benzo (g,h,i)perylene	191-24-2	5000	14,000
Benzo (a) pyrene	50-32-8	5000	22,000
Benzyl alcohol	100-51-6	2000	N.D.
Bis(2-chloroethoxy)methane	111-91-1	2000	N.D.
Bis(2-chloroethyl)ether	111-44-4	2000	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	2000	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	2000	N.D.
4-Bromophenyl phenyl ether	101-55-3	2000	N.D.
Butyl benzyl phthalate	85-68-7	2000	N.D.
4-Chloroaniline	106-47-8	2000	N.D.
2-Chloronaphthalene	91-58-7	2000	N.D.
4-Chloro-3-methylphenol	59-50-7	2000	N.D.
2-Chlorophenol	95-57-8	2000	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	2000	N.D.
Chrysene	218-0109	2000	48,000
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	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-RE1-SP10
Laboratory Sample #: 97070243

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Fluoranthene	206-44-0	5000	53,000
Fluorene	86-73-7	5000	13,000
Hexachlorobenzene	118-74-1	5000	N.D.
Hexachlorobutadiene	87-68-3	2000	N.D.
Hexachlorocyclopentadiene	77-47-4	2000	N.D.
Hexachloroethane	67-72-1	2000	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	5000	6,800
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	41,000
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	80,000
Phenol	108-95-2	2000	N.D.
Pyrene	129-00-0	2000	120,000
1,2,4-Trichlorobenzene	120-82-1	2000	N.D.
2,4,5-Trichlorophenol	95-95-4	2000	N.D.
2,4,6-Trichlorophenol	88-06-2	2000	N.D.

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

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

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

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

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

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Acenaphthene	83-32-9	100	N.D.
Acenaphthylene	208-96-8	100	N.D.
Aniline	62-53-3	100	N.D.
Anthracene	120-12-7	100	160
Benzoic Acid	65-85-0	500	N.D.
Benzo (a) anthracene	56-55-3	100	790
Benzo (b) fluoranthene	205-99-2	250	1,200
Benzo (k) fluoranthene	207-08-9	250	N.D.
Benzo (g,h,i)perylene	191-24-2	250	420
Benzo (a) pyrene	50-32-8	250	570
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ehter	7005-72-3	100	N.D.
Chrysene	218-0109	100	2,100
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-N-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.
2,4-Dinitrotoluene	121-14-2	250	N.D.
2,6-Dinitrotoluene	606-20-2	250	N.D.
Di-N-octyl phthalate	117-84-0	250	N.D.

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

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

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*
Fluoranthene	206-44-0	100	1,700
Fluorene	86-73-7	100	N.D.
Hexachlorobenzene	118-74-1	100	N.D.
Hexachlorobutadiene	87-68-3	100	N.D.
Hexachlorocyclopentadiene	77-47-4	100	N.D.
Hexachloroethane	67-72-1	100	N.D.
Indeno(1,2,3-cd)pyrene	193-39-5	250	300
Isophorone	78-59-1	100	N.D.
2-Methylnaphthalene	91-57-6	100	430
2-Methylphenol	95-48-7	100	N.D.
4-Methylphenol	106-44-5	100	N.D.
Naphthalene	91-20-3	100	N.D.
2-Nitroaniline	88-74-4	250	N.D.
3-Nitroaniline	99-09-2	250	N.D.
4-Nitroaniline	100-01-6	250	N.D.
Nitrobenzene	98-95-3	100	N.D.
2-Nitrophenol	88-75-5	100	N.D.
4-Nitrophenol	100-02-7	100	N.D.
N-Nitrosodiphenylamine	86-30-6	100	N.D.
N-Nitroso-di-N-propylamine	621-64-7	100	N.D.
N-Nitrosodimethylamine	62-75-9	100	N.D.
Pentachlorophenol	87-86-5	250	N.D.
Phenanthrene	85-01-8	100	970
Phenol	108-95-2	100	N.D.
Pyrene	129-00-0	100	2,200
1,2,4-Trichlorobenzene	120-82-1	100	N.D.
2,4,5-Trichlorophenol	95-95-4	100	N.D.
2,4,6-Trichlorophenol	88-06-2	100	N.D.

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

Orange Coast Analytical

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: EPA 3550/8015m

Sample Description: Soil, OA1-RE1-SP10
Laboratory Sample #: 97070243
Laboratory Reference #: MWI 9344

Sampled: 07/16/97
Received: 07/16/97
Analyzed: 07/22/97
Reported: 07/23/97

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015M)

Carbon Chain Number	*Extractable Hydrocarbons (ppm)*
Up to and including C-12	480
C 13-22	7,600
C 23 & Higher	2,100
Total	10,000

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-RE1-SP10

Sampled: 07/16/97
Received: 07/16/97
Analyzed: 07/22/97
Reported: 07/23/97

Laboratory Sample Number: 97070243
Laboratory Reference #: MWI 9344

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
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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)*
97060085	PL-GS-1-2.5'	16,000
Detection Limit:		8.0

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

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Montgomery Watson
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250 N. Madison Avenue
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: EPA 3550/8015m

Sample Description: Soil

Laboratory Reference #: MWI 9144

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

DIESEL ANALYSIS (EPA 8015m)

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons (mg/kg)*
97060085	PL-GS-1-2.5'	38,000

Detection Limit: 8.0

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

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Montgomery Watson
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Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: EPA 5030/8015m

Sample Description: Soil,

Laboratory Reference #: MWI 9144

Sampled : 06-03-97
Received: 06-03-97
Analyzed: 06-04/09-97
Reported: 06-04/13-97

VOLATILE FUEL HYDROCARBONS (EPA 8015m)

Laboratory Sample Number	*Client Sample Number*	*Volatile Fuel Hydrocarbons (mg/kg) (ppm)*
97060085	PL-GS-1-2.5'	100
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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Pasadena, CA 91101

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

Sample Description: Soil, PL-GS-1-2.5'

Laboratory Sample Number: 97060085
Laboratory Reference #: MWI 9144

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

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	N.D.	
Barium	6010	100	10000	0.1	96	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	1.4	<---
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	250	<---
Cobalt	6010	80	8000	0.5	6.0	<---
Copper	6010	25	2500	0.1	28	<---
Lead	6010	5.0	1000	1.0	290	<---
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	28	<---
Zinc	6010	250	5000	0.1	94	<---

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-1-2.5'
Laboratory Sample Number: 97060085
Laboratory Reference #: MWI 9144

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

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	CAS NUMBER	DETECTION LIMIT (ug/kg)	SAMPLE RESULT (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	75-35-3	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	270	<---
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	140	<---
Dichlorofluoromethane	75-71-8	50	N.D.	
cis-1-2,-Dichloroethane	156-59-4	50	N.D.	
2,2-Dichloropropane	590-20-7	50	N.D.	
Bromochloromethane	74-97-5	50	N.D.	
1,1-Dichloropropene	563-58-6	50	N.D.	
1,2-Dichloropropane	78-87-5	50	N.D.	
Dibromomethane	74-95-3	50	N.D.	
trans-1,3-Dichloropropane	10061-02-6	50	N.D.	
1,1,2-Trichloroethane	79-00-5	50	N.D.	
1,2-Dibromoethane	106-93-4	50	N.D.	

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Sample Description: Soil, PL-GS-1-2.5'

Laboratory Sample Number: 97060085

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (ug/kg)*	
1,3-Dichloropropane	142-28-9	50	N.D.	
Dibromochloromethane	124-48-1	50	N.D.	
Isopropylbenzene	98-82-8	50	100	<---
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	190	<---
2-Chlorotoluene	95-49-8	50	N.D.	
1,3,5-Trimethylbenzene	108-67-8	50	210	<---
4-Chlorotoluene	106-43-4	50	N.D.	
tert-Butylbenzene	98-06-6	50	N.D.	
1,2,4-Trimethylbenzene	95-63-6	50	350	<---
sec-Butylbenzene	135-98-8	50	130	<---
4-Isopropyltoluene	99-87-6	50	N.D.	
1,3-Dichlorobenzene	541-73-1	50	N.D.	
1,4-Dichlorobenzene	106-46-7	50	N.D.	
n-Butylbenzene	104-51-8	50	N.D.	
1,2-Dichlorobenzene	95-50-1	50	N.D.	
1-2-Dibromo-2-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	1300	<---
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	*95*
Toluene-d8	*97*
4-Bromofluorobenbzene	*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, PL-GS-1-2.5'
Laboratory Sample #: 97060085
Laboratory Reference #: MWI 9144

Sampled : 06-03-97
Received: 06-03-97
Analyzed: 06-10-97
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	1000	2,100 <---
Acenaphthylene	208-96-8	1000	N.D.
Aniline	62-53-3	1000	N.D.
Anthracene	120-12-7	1000	5,600 <---
Benzidine	92-87-5	5000	N.D.
Benzoic Acid	65-85-0	2500	N.D.
Benzo(a)anthracene	56-55-3	1000	15,000 <---
Benzo(b)fluoranthene	205-99-2	2500	23,000 <---
Benzo(k)fluoranthene	207-08-9	2500	7,200 <---
Benzo(g,h,i)perylene	191-24-2	2500	10,000 <---
Benzo(a)pyrene	50-32-8	2500	13,000 <---
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 ether	7005-72-3	1000	N.D.
Chrysene	218-0109	1000	30,000 <---
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.

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

Sample Description: Soil, PL-GS-1-2.5'
Laboratory Sample #: 97060085

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT ug/kg*	*SAMPLE RESULTS ug/kg*
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.
Fluoranthene	206-44-0	1000	30,000 <---
Fluorene	86-73-7	1000	5,600 <---
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	6,300 <---
Isophorone	78-59-1	1000	N.D.
2-Methylnaphthalene	91-57-6	1000	8,200 <---
2-Methylphenol	95-48-7	1000	N.D.
4-Methylphenol	106-44-5	1000	N.D.
Naphthalene	91-20-3	1000	1,400 <---
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	36,000 <---
Phenol	108-95-2	1000	N.D.
Pyrene	129-00-0	1000	72,000 <---
1,2,4-Trichlorobenzene	120-82-1	1000	N.D.
2,4,5-Trichlorophenol	95-95-4	1000	N.D.
2,4,6-Trichlorophenol	88-06-2	1000	N.D.

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

ORANGE COAST ANALYTICAL

Mark Noorani
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

Analysis Method: EPA 3550/8015m

Sample Description: Soil, PL-GS-1-2.5'
Laboratory Sample #: 97060085
Laboratory Reference #: MWI 9144

Sampled: 06/03/97
Recevied: 06/03/97
Analyzed: 06/04/97
Reported: 06/04/97

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015M)

Carbon Chain Number	*Extractable Hydrocarbons (ppm)*
Up to and including C-12	1,500
C 13-22	31,000
C 23 & Higher	7,900

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

Sample Description: Soil, PL-GS-1-2.5'

Laboratory Sample Number: 97060085
Laboratory Reference #: MWI 9144

Sampled: 06-03-97
Received: 06-03-97
Analyzed: 06-10-97
Reported: 06-12-97

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.

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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 9144

Sampled : 06-03-97
Received: 06-03-97
Analyzed: 06-11-97
Reported: 06-12-97

STLC CHROMIUM (TITLE 22/EPA 6010)

Laboratory Sample Number	*Client Sample Number*	*Sample Results (mg/l)*
97060085	PL-GS-1-2.5'	4.5
Detection Limit:		0.1

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

Laboratory Reference #: MWI 9144

Sampled : 06-03-97
Received: 06-03-97
Analyzed: 06-11-97
Reported: 06-12-97

STLC LEAD (TITLE 22/EPA 6010)

Laboratory Sample Number	*Client Sample Number*	*Sample Results (mg/l)*
97060085	PL-GS-1-2.5'	1.8
Detection Limit:		1.0

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

ORANGE COAST ANALYTICAL

Mark Noorani

Mark Noorani
Laboratory Director

Analytical Data Summary
Remedial Excavation WL-RE-1 Stockpiles A and B
Approximately 40 cubic yards

Analyte	EPA Method	Sample Number and Collection Date: WL-RE1-SP1 8/13/97	Sample Number and Collection Date: WL-GS-1-2' 6/11/97	Regulatory Levels: TTLC (mg/kg)	Regulatory Levels: STLC (mg/L)
TRPH (mg/kg)	418.1	520	3,000		
TPHd (mg/kg)	8015M	--	1,700		
TPHg (mg/kg)	8015M	--	280		
Title 22 Metals (mg/kg)					
Antimony	6010	<5.0	<5.0	500	15
Arsenic	6010	53 (2)(3)	<1.0	500	5
Barium	6010	100	120	10,000	100
Beryllium	6010	<0.1	<0.1	75	0.75
Cadmium	6010	<0.1	<0.1	100	1
Chromium (VI)	7196	<0.5	<0.5	500	5
Chromium (total)	6010	25	31	2,500	5
Cobalt	6010	7.6	7.8	8,000	80
Copper	6010	11	13	2,500	25
Lead (total)	6010	<1.0	<1.0	1,000	5
Mercury	7471	<0.01	<0.01	20	0.2
Molybdenum	6010	<0.5	<0.5	3,500	350
Nickel	6010	11	12	2,000	20
Selenium	6010	<1.0	<1.0	100	1
Silver	6010	<0.1	<0.1	500	5
Thallium	6010	<5.0	<5.0	700	7
Vanadium	6010	31	36	2,400	24
Zinc	6010	40	44	5,000	250
VOCs (1) (µg/kg)					
Total Xylenes	8260	3.9	770		
1,3,5-Trimethylbenzene	8260	11	1,500		
1,2,4-Trimethylbenzene	8260	<2.5	1,000		
sec-Butylbenzene	8260	<2.5	860		
p-Isopropyltoluene	8260	9.8	1,400		
Naphthalene	8260	5.6	<2.5		
SVOCs (1) (µg/kg)					
2-Methylnaphthalene	8270	<100	220		
Pyrene	8270	<100	120		
Carbon Chain Range (mg/kg)					
Up to and including C12	8015m	--	450		
C13-C22	8015m	--	1,200		
C23 and higher	8015m	--	77		
PCBs (µg/kg)	8080	--	ND		

mg/kg = milligrams per kilogram
mg/L = milligrams per liter
µg/L = micrograms per liter
-- = not analyzed
ND = not detected
TRPH = Total Recoverable Petroleum Hydrocarbons
TPHd = Total Petroleum Hydrocarbons as diesel
TPHg = Total Petroleum Hydrocarbons as gasoline

VOCs = Volatile Organic Compounds
SVOCs = Semi-volatile Organic Compounds
PCBs = Polychlorinated biphenyls
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
(1) VOCs and SVOCs not listed were not detected
(2) Waste Extraction Test performed on this sample. Result was 1.6 mg/L.
(3) TCLP analysis performed on this sample. Result was <1.0 mg/L.

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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 9451

Sampled: 08/13/97
Received: 08/13/97
Analyzed: 08/14/97
Reported: 08/14/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97080186	WL-RE1-SP1	520

Detection Limit:	8.0

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

ORANGE COAST ANALYTICAL

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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, WL-RE1-SP1

Sampled: 08/13/97
Received: 08/13/97
Analyzed: 08/14/97
Reported: 08/21/97

Laboratory Sample Number: 97080186
Laboratory Reference #: MWI 9451

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*	
Antimony	6010	15	500	5.0	N.D.	
Arsenic	6010	5.0	500	1.0	53	<---
Barium	6010	100	10000	0.1	100	<---
Beryllium	6010	0.75	75	0.1	N.D.	
Cadmium	6010	1.0	100	0.1	N.D.	
Chromium (VI)	7196	5.0	500	0.5	N.D.	
Chromium Total	6010	560	2500	0.05	25	<---
Cobalt	6010	80	8000	0.5	7.6	<---
Copper	6010	25	2500	0.1	11	<---
Lead	6010	5.0	1000	1.0	N.D.	
Mercury	7471	0.2	20	0.01	N.D.	
Molybdenum	6010	350	3500	0.5	N.D.	
Nickel	6010	20	2000	0.5	11	<---
Selenium	6010	1.0	100	1.0	N.D.	
Silver	6010	5.0	500	0.1	N.D.	
Thallium	6010	7.0	700	5.0	N.D.	
Vanadium	6010	24	2400	0.5	31	<---
Zinc	6010	250	5000	0.1	40	<---

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, WL-RE1-SP1
Laboratory Sample Number: 97080186
Laboratory Reference #: MWI 9451

Sampled: 08/13/97
Received: 08/13/97
Analyzed: 08/14/97
Reported: 08/21/97

VOLATILE ORGANICS BY GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
Benzene	71-43-2	2.5	N.D.	
Bromodichloromethane	75-27-4	2.5	N.D.	
Bromoform	75-25-2	2.5	N.D.	
Bromomethane	74-83-9	2.5	N.D.	
Carbon Disulfide	75-15-0	5.0	N.D.	
Carbon tetrachloride	56-23-5	2.5	N.D.	
Chlorobenzene	108-90-7	2.5	N.D.	
Chlorodibromomethane	124-48-1	2.5	N.D.	
Chloroethane	75-00-3	2.5	N.D.	
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.	
Chloroform	67-66-3	2.5	N.D.	
Chloromethane	74-87-3	2.5	N.D.	
1,1-Dichloroethane	75-34-3	2.5	N.D.	
1,2-Dichloroethane	107-06-2	2.5	N.D.	
1,1-Dichloroethene	75-35-4	2.5	N.D.	
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.	
1,2-Dichloropropane	78-87-5	2.5	N.D.	
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.	
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.	
Ethylbenzene	100-41-4	2.5	N.D.	
Methylene chloride	75-09-2	5.0	N.D.	
Styrene	100-42-5	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
Tetrachloroethene	127-18-4	2.5	N.D.	
Toluene	108-88-3	2.5	N.D.	
1,1,1-Trichloroethane	71-55-6	2.5	N.D.	
1,1,2-Trichloroethane	79-00-5	2.5	N.D.	
Trichloroethene	79-01-6	2.5	N.D.	
Trichlorofluoromethane	75-69-4	5.0	N.D.	
Vinyl acetate	108-05-4	5.0	N.D.	
Vinyl chloride	75-01-4	2.5	N.D.	
Total Xylenes	1330-20-7	2.5	3.9	<---
Dichlorodifluoromethane	75-71-8	2.5	N.D.	
cis-1-2,-Dichloroethene	156-59-2	2.5	N.D.	
2,2-Dichloropropane	594-20-7	2.5	N.D.	
Bromochloromethane	74-97-5	2.5	N.D.	
1,1-Dichloropropene	563-58-6	2.5	N.D.	
Dibromomethane	74-95-3	2.5	N.D.	
1,2-Dibromoethane	106-93-4	2.5	N.D.	

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

Sample Description: Soil, WL-RE1-SP1
Laboratory Sample #. 97080186

ANALYTE	*CAS NUMBER*	*DETECTION Limit (ug/kg)*	*SAMPLE RESULTS (ug/kg)*	
1,3-Dichloropropane	142-28-9	2.5	N.D.	
Isopropylbenzene	98-82-8	2.5	N.D.	
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.	
1,2,3-Trichloropropane	96-18-4	2.5	N.D.	
Bromobenzene	108-86-1	2.5	N.D.	
n-Propylbenzene	103-65-1	2.5	N.D.	
2-Chlorotoluene	95-49-8	2.5	N.D.	
1,3,5-Trimethylbenzene	108-67-8	2.5	11	<---
4-Chlorotoluene	106-43-4	2.5	N.D.	
tert-Butylbenzene	98-06-6	2.5	N.D.	
1,2,4-Trimethylbenzene	95-63-6	2.5	N.D.	
sec-Butylbenzene	135-98-8	2.5	N.D.	
4-Isopropyltoluene	99-87-6	2.5	9.8	<---
1,3-Dichlorobenzene	541-73-1	2.5	N.D.	
1,4-Dichlorobenzene	106-46-7	2.5	N.D.	
n-Butylbenzene	104-51-8	2.5	N.D.	
1,2-Dichlorobenzene	95-50-1	2.5	N.D.	
1,2-Dibromo-3-CPA	96-12-8	5.0	N.D.	
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.	
Hexachlorobutadiene	87-68-3	2.5	N.D.	
Naphthalene	91-20-3	2.5	5.6	<---
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.	

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

Surrogate Recoveries	%
Dibromofluoromethane	101
Toluene-d8	98
4-Bromofluorobenzene	95

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sampled: 08/13/97
Received: 08/13/97
Analyzed: 08/14/97
Reported: 08/14/97

Sample Description: Soil, WL-RE1-SP1
Laboratory Sample Number: 97080186
Laboratory Reference #: MWI 9451

SEMI VOLATILE ORGANICS BY GC/MS (EPA 8270)

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

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

Sample Description: Soil, WL-RE1-SP1
Laboratory Sample #: 97080186

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

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

Orange Coast Analytical

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sampled: 08/13/97
Received: 08/13/97
Analyzed: 08/27/97
Reported: 08/27/97

Sample Description: Soil,
Laboratory Reference #: MWI 9451A

STLC ARSENIC (TITLE 22/EPA 6010)

Laboratory Sample Number	*Client Sample Number*	*Sample Results (ppm)*
97080186	WL-RE1-SP1	1.6
Detection Limit:		1.0

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

ORANGE COAST ANALYTICAL

Mike Samici for
Mark Noorani
Laboratory Director

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, 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,
Laboratory Reference #: MWI 9451A

Sampled: 08/13/97
Received: 08/13/97
Analyzed: 08/26/97
Reported: 08/26/97

TCLP ARSENIC (EPA 1311/6010)

Laboratory Sample Number	*Client Sample Number*	*Sample Results (ppm)*
97080186	WL-RE1-SP1	N.D.

Detection Limit:	1.0

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

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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 9190

Sampled : 06-11-97
Received: 06-11-97
Analyzed: 06-12-97
Reported: 06-13-97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Number	*Client Sample Number*	*Sample Result (mg/kg)*
97060326	WL-GS-1-2'	3,000
Detection Limit:		8.0

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

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Analysis Method: EPA 3550/8015m

Sample Description: Soil,

Laboratory Reference #: MWI 9190

Sampled: 06/11/97
Recevied: 06/11/97
Analyzed: 06/12/97
Reported: 06/12/97

DIESEL ANALYSIS (EPA 8015M)

Laboratory Sample Number	*Client Sample Number*	*Extractable Hydrocarbons (mg/kg)*
97060326	WL-GS-1-2'	1,700

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 9190

Sampled: 06/11/97
Recevied: 06/11/97
Analyzed: 06/12/97
Reported: 06/20/97

VOLATILE FUEL HYDROCARBONS (EPA 8015M)

Laboratory Sample Number	Client Sample Number	Volatile Fuel Hydrocarbons (mg/kg) (ppm)
97060326	WL-GS-1-2'	280

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, WL-GS-1-2'

Sampled: 06/11/97
Recevied: 06/11/97
Analyzed: 06/13/97
Reported: 06/20/97

Laboratory Sample Number: 97060326
Laboratory Reference #: MWI 9190

CCR - METALS

Analyte	*EPA Method*	*STLC Limits mg/l*	*TTLC Limits mg/kg*	*Detection Limit mg/kg*	*Analysis Result mg/kg*
Antimony	6010	15	500	5.0	N.D.
Arsenic	6010	5.0	500	1.0	N.D.
Barium	6010	100	10000	0.1	120
Beryllium	6010	0.75	75	0.1	N.D.
Cadmium	6010	1.0	100	0.1	N.D.
Chromium (VI)	7196	5.0	500	0.5	N.D.
Chromium Total	6010	560	2500	0.05	31
Cobalt	6010	80	8000	0.5	7.8
Copper	6010	25	2500	0.1	13
Lead	6010	5.0	1000	1.0	N.D.
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	N.D.
Nickel	6010	20	2000	0.5	12
Selenium	6010	1.0	100	1.0	N.D.
Silver	6010	5.0	500	0.1	N.D.
Thallium	6010	7.0	700	5.0	N.D.
Vanadium	6010	24	2400	0.5	36
Zinc	6010	250	5000	0.1	44

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

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

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

Sample Description: Soil, WL-GS-1-2'
Laboratory Sample Number: 97060326
Laboratory Reference #: MWI 9190

Sampled: 06-11-97
Received: 06-11-97
Analyzed: 06-12-97
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	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	770	<---
Dichlorofluoromethane	75-71-8	2.5	N.D.	
cis-1,2-Dichloroethene	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, WL-GS-1-2'

Laboratory Sample Number: 97060326

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	1,500 <---
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	1,000 <---
sec-Butylbenzene	135-98-8	2.5	860 <---
4-Isopropyltoluene	99-87-6	2.5	1,400 <---
1,3-Dichlorobenzene	541-73-1	2.5	N.D.
1,4-Dichlorobenzene	106-46-7	2.5	N.D.
n-Butylbenzene	104-51-8	2.5	N.D.
1,2-Dichlorobenzene	95-50-1	2.5	N.D.
1-2-Dibromo-2-CPA	96-12-8	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.
Hexachlorobutadiene	87-68-3	2.5	N.D.
Naphthalene	91-20-3	2.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.

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

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Mark Noorani
Laboratory Director

Surrogate Recoveries	*%*
Dibromofluoromethane	*90*
Toluene-d8	*104*
4-Bromofluorobenbzene	*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, WL-GS-1-2'
Laboratory Sample #: 97060326
Laboratory Reference #: MWI 9190

Sampled : 06-11-97
Received: 06-11-97
Analyzed: 06-12-97
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.
Benzo(g,h,i)perylene	191-24-2	250	N.D.
Benzo(a)pyrene	50-32-8	250	N.D.
Benzyl alcohol	100-51-6	100	N.D.
Bis(2-chloroethoxy)methane	111-91-1	100	N.D.
Bis(2-chloroethyl)ether	111-44-4	100	N.D.
Bis(2-chloroisopropyl)ether	39638-32-9	100	N.D.
Bis(2-ethylhexyl)phthalate	117-81-7	100	N.D.
4-Bromophenyl phenyl ether	101-55-3	100	N.D.
Butyl benzyl phthalate	85-68-7	100	N.D.
4-Chloroaniline	106-47-8	100	N.D.
2-Chloronaphthalene	91-58-7	100	N.D.
4-Chloro-3-methylphenol	59-50-7	100	N.D.
2-Chlorophenol	95-57-8	100	N.D.
4-Chlorophenyl phenyl ether	7005-72-3	100	N.D.
Chrysene	218-0109	100	N.D.
Dibenz(a,h)anthracene	53-70-3	100	N.D.
Dibenzofuran	132-64-9	100	N.D.
Di-n-butyl phthalate	84-74-2	250	N.D.
1,3-Dichlorobenzene	541-73-1	100	N.D.
1,4-Dichlorobenzene	106-46-7	100	N.D.
1,2-Dichlorobenzene	95-50-1	100	N.D.
3,3'-Dichlorobenzidine	91-94-1	100	N.D.
2,4-Dichlorophenol	120-83-2	100	N.D.
Diethyl phthalate	84-66-2	100	N.D.
2,4-Dimethylphenol	105-67-9	100	N.D.
Dimethyl phthalate	131-11-3	100	N.D.
4,6-Dinitro-2-methylphenol	534-52-1	100	N.D.
2,4-Dinitrophenol	51-28-5	100	N.D.

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

Sample Description: Soil, WL-GS-1-2'
Laboratory Sample #: 97060326

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	220	<---
2-Methylphenol	95-48-7	100	N.D.	
4-Methylphenol	106-44-5	100	N.D.	
Naphthalene	91-20-3	100	N.D.	
2-Nitroaniline	88-74-4	250	N.D.	
3-Nitroaniline	99-09-2	250	N.D.	
4-Nitroaniline	100-01-6	250	N.D.	
Nitrobenzene	98-95-3	100	N.D.	
2-Nitrophenol	88-75-5	100	N.D.	
4-Nitrophenol	100-02-7	100	N.D.	
N-Nitrosodiphenylamine	86-30-6	100	N.D.	
N-Nitroso-di-n-propylamine	621-64-7	100	N.D.	
N-Nitrosodimethylamine	62-75-9	100	N.D.	
Pentachlorophenol	87-86-5	250	N.D.	
Phenanthrene	85-01-8	100	N.D.	
Phenol	108-95-2	100	N.D.	
Pyrene	129-00-0	100	120	<---
1,2,4-Trichlorobenzene	120-82-1	100	N.D.	
2,4,5-Trichlorophenol	95-95-4	100	N.D.	
2,4,6-Trichlorophenol	88-06-2	100	N.D.	

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

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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, WL-GS-1-2'
Laboratory Sample #: 97060326
Laboratory Reference #: MWI 9190

Sampled: 06/11/97
Recevied: 06/11/97
Analyzed: 06/12/97
Reported: 06/12/97

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015M)

Carbon Chain Number	Extractable Hydrocarbons (ppm)
Up to and including C-12	450
C 13-22	1,200
C 23 & Higher	77

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, WL-GS-1-2'

Laboratory Sample Number: 97060326
Laboratory Reference #: MWI 9190

Sampled: 06-11-97
Received: 06-11-97
Analyzed: 06-12-97
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

Mark Noorani
Laboratory Director

Analytical Data Summary
Building 37 Metals Area
Approximately 15 cubic yards

Analyte	EPA Method	Sample Number, Collection Date, Grid Location and Depth: B37-GS-180E1-5' 6/25/97 A.7/A.8-6.5 @ 5' bgs*	B37-GS-180E3-5' 6/25/97 A.7/A.8-6.5 @ 5' bgs*	Regulatory Levels: TTLC (mg/kg)	STLC (mg/L)
TRPH (mg/kg)	418.1	--	--		
Title 22 Metals (mg/kg)					
Antimony	6010	<5.00	<5.00	500	15
Arsenic	6010	42.00	**54.00** (1)	500	5
Barium	6010	120.00	160.00	10,000	100
Beryllium	6010	<0.10	<0.10	75	0.75
Cadmium	6010	1.80	**27.00** (2)	100	1
Chromium (VI)	7196	<0.50	<0.50	500	5
Chromium (total)	6010	32.00	40.00	2,500	5 **
Cobalt	6010	8.10	8.50	8,000	80
Copper	6010	15.00	28.00	2,500	25
Lead (total)	6010	<1.00	<1.00	1,000	5
Mercury	7471	<0.01	<0.01	20	0.2
Molybdenum	6010	<0.50	<0.50	3,500	350
Nickel	6010	14.00	17.00	2,000	20
Selenium	6010	<1.00	<1.00	100	1
Silver	6010	<0.10	<0.10	500	5
Thallium	6010	<5.00	<5.00	700	7
Vanadium	6010	39.00	43.00	2,400	24
Zinc	6010	45.00	64.00	5,000	250
VOCs (µg/kg)	8260	--	--		
SVOCs (µg/kg)	8270	--	--		
Carbon Chain Range (mg/kg)	sim. dist.	--	--		
PCBs (µg/kg)	8080	--	--		

mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
mg/L = milligrams per liter
-- = not analyzed
bgs = below ground surface
ND = not detected
sim.dist. = simulated distillation
VOCs = Volatile Organic Compounds

SVOCs = Semi-volatile Organic Compounds
PCBs = Polychlorinated biphenyls
TTLC = California Total Threshold Limit Concentration
STLC = California Soluble Threshold Limit Concentration
TRPH = Total Recoverable Petroleum Hydrocarbons
(1) Waste Extraction Test performed on this sample. Result was 3.9 mg/L.
(2) Waste Extraction Test performed on this sample. Result was 0.12 mg/L.

** STLC is 560 mg/L when TCLP is performed and result is less than 5 mg/L per CCR Title 22.

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, B37-GS-180E1-5'

Sampled: 06/25/97
Recevied: 06/25/97
Analyzed: 06/26/97
Reported: 06/26/97

Laboratory Sample Number: 97060727
Laboratory Reference #: MWI 9279

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	42
Barium	6010	100	10000	0.1	120
Beryllium	6010	0.75	75	0.1	N.D.
Cadmium	6010	1.0	100	0.1	1.8
Chromium (VI)	7196	5.0	500	0.5	N.D.
Chromium Total	6010	560	2500	0.05	32
Cobalt	6010	80	8000	0.5	8.1
Copper	6010	25	2500	0.1	15
Lead	6010	5.0	1000	1.0	N.D.
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	N.D.
Nickel	6010	20	2000	0.5	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	39
Zinc	6010	250	5000	0.1	45

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, B37-GS-180E3-5'

Sampled: 06/25/97
Recevied: 06/25/97
Analyzed: 06/26/97
Reported: 06/26/97

Laboratory Sample Number: 97060729
Laboratory Reference #: MWI 9279

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	54
Barium	6010	100	10000	0.1	160
Beryllium	6010	0.75	75	0.1	N.D.
Cadmium	6010	1.0	100	0.1	27
Chromium (VI)	7196	5.0	500	0.5	N.D.
Chromium Total	6010	560	2500	0.05	40
Cobalt	6010	80	8000	0.5	8.5
Copper	6010	25	2500	0.1	28
Lead	6010	5.0	1000	1.0	N.D.
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	N.D.
Nickel	6010	20	2000	0.5	17
Selenium	6010	1.0	100	1.0	N.D.
Silver	6010	5.0	500	0.1	N.D.
Thallium	6010	7.0	700	5.0	N.D.
Vanadium	6010	24	2400	0.5	43
Zinc	6010	250	5000	0.1	64

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

ORANGE COAST ANALYTICAL

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Laboratory Director

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

Client Project ID: McDonnell Douglas
Client Project #: 1206035.01090010

Sample Description: Soil, B37-GS-180E3-5'

Sampled: 06/25/97
Recevied: 06/25/97
Analyzed: 06/30/97
Reported: 06/30/97

Laboratory Sample Number: 97060729
Laboratory Reference #: MWI 9279

STLC METALS (TITLE 22/EPA 6010)

Analyte	*Detection Limit*	*Sample Results (mg/l)*
Arsenic	1.0	3.9
Cadmium	0.1	0.12

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Analytical Data Summary
Land Treatment Unit BA-LTU-1 Samples
Approximately 200 cubic yards

Analyte	EPA Method	Sample Number and Collection Date		Regulatory Levels	
		BA-RE1-SP3 10/6/97	BA-LTU-1-GS-1 12/29/97	TTLC (mg/kg)	STLC (mg/L)
TRPH (mg/kg)	418.1	150.00	--		
Title 22 Metals (mg/kg)					
Antimony	6010	<5.00	<5.00	500	15
Arsenic	6010	16.00	3.80	500	5
Barium	6010	93.00	100.00	10,000	100
Beryllium	6010	<0.10	<0.10	75	0.75
Cadmium	6010	<0.10	1.30	100	1
Chromium (VI)	7196	<0.50	<0.50	500	5
Chromium (total)	6010	34.00	15.00	2,500	5 **
Cobalt	6010	9.70	9.10	8,000	80
Copper	6010	14.00	17.00	2,500	25
Lead (total)	6010	<1.00	3.60	1,000	5
Mercury	7471	<0.01	<0.01	20	0.2
Molybdenum	6010	<0.50	<0.50	3,500	350
Nickel	6010	17.00	11.00	2,000	20
Selenium	6010	<1.00	<1.00	100	1
Silver	6010	<0.10	<0.10	500	5
Thallium	6010	<5.00	<5.00	700	7
Vanadium	6010	29.00	29.00	2,400	24
Zinc	6010	45.00	39.00	5,000	250
VOCs (µg/kg)	8260	ND	ND		
SVOCs (µg/kg)	8270	ND	ND		
Carbon Chain Range (mg/kg)	8015m	--	--		
PCBs (µg/kg)	8080	--	--		

mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
mg/L = milligrams per liter
-- = not analyzed
ND = not detected
PCBs = Polychlorinated biphenyls

VOCs = Volatile Organic Compounds
SVOCs = Semi-volatile Organic Compounds
TRPH = Total Recoverable Petroleum Hydrocarbons
TTLC = California Total Threshold Limit Concentration
STLC = California Soluble Threshold Limit Concentration

** STLC is 560 mg/L when TCLP is performed and result is less than 5 mg/L per CCR Title 22.

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

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

Analysis Method: 418.1

Sample Description: Soil,

Laboratory Reference #: MWI 9626

Sampled: 10/06/97
Received: 10/06/97
Analyzed: 10/07/97
Reported: 10/07/97

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Laboratory Sample Sumber	*Client Sample Number*	*Extractable Hydrocarbons mg/kg (ppm)*
97100125	BA-RE1-SP3	150

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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Laboratory Director

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

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

Sample Description: Soil, BA-RE1-SP3

Sampled: 10/06/97
Received: 10/06/97
Analyzed: 10/7-08/97
Reported: 10/09/97

Laboratory Sample Number: 97100125
Laboratory Reference #: MWI 9626

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	16
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	34
Cobalt	6010	80	8000	0.5	9.7
Copper	6010	25	2500	0.1	14
Lead	6010	5.0	1000	1.0	N.D.
Mercury	7471	0.2	20	0.01	N.D.
Molybdenum	6010	350	3500	0.5	N.D.
Nickel	6010	20	2000	0.5	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	29
Zinc	6010	250	5000	0.1	45

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

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

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

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

Sample Description: Soil, BA-RE1-SP3
Laboratory Sample Number: 97100125
Laboratory Reference #: MWI 9626

Sampled: 10/06/97
Received: 10/06/97
Analyzed: 10/09/97
Reported: 10/09/97

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, BA-RE1-SP3
Laboratory Sample #: 97100125

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	100
Toluene-d8	96
4-Bromofluorobenzene	94

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

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

Sample Description: Soil, BA-RE1-SP3
Laboratory Sample Number: 97100125
Laboratory Reference #: MWI 9626

Sampled: 10/06/97
Received: 10/06/97
Analyzed: 10/09/97
Reported: 10/09/97

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, BA-RE1-SP3
Laboratory Sample #: 97100125

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

MWI 9845

METHOD ID	LIMIT1 SOIL	LIMIT1 WATER	LAB CAS ID	PF CODE	SURROG FLG	Units	LAB CHEM								
							SAMP TYPE								S
							RES CODE								PP01
							SAMP ID								BA-LTU-1-GS-1
							SAMP DATE								12/29/97
							SAMP TIME								14:40
							SAMP DEPTH								
							PRESERVED								
							ICED								Y
							RECEIVED								12/29/97
							REC TIME								14:55
							BASIS								W
															97129672
							Tested								
418.1	8.0	0.5		T		ppm	Extractable Hydrocarbons								
							Tested								01/02/98
6010	5.0	0.5		T		ppm	Antimony								<
6010	1.0	0.1		T		ppm	Arsenic								3.8
6010	0.1	0.01		T		ppm	Barium								100
6010	0.1	0.01		T		ppm	Beryllium								<
6010	0.1	0.01		T		ppm	Cadmium								1.3
							Tested								12/30/97
7196	0.5	0.01		T		ppm	Chromium (VI)								<
							Tested								01/02/98
6010	0.1	0.01		T		ppm	Chromium Total								15
6010	0.5	0.1		T		ppm	Cobalt								9.1
6010	0.1	0.01		T		ppm	Copper								17
6010	1.0	0.1		T		ppm	Lead								3.6
							Tested								12/31/97
7471	0.01	0.002		T		ppm	Mercury								<
							Tested								01/02/98
6010	0.5	0.1		T		ppm	Molybdenum								<
6010	0.5	0.1		T		ppm	Nickel								11
6010	1.0	0.1		T		ppm	Selenium								<
6010	0.1	0.1		T		ppm	Silver								<
6010	5.0	0.5		T		ppm	Thallium								<
6010	0.5	0.1		T		ppm	Vanadium								29
6010	0.1	0.01		T		ppm	Zinc								39
							Tested								
STLC		5.0		S		ppm	Antimony								
		1.0		S		ppm	Arsenic								
		0.1		S		ppm	Barium								
		0.1		S		ppm	Beryllium								
		0.1		S		ppm	Cadmium								
		0.5		S		ppm	Chromium (VI)								
		0.1		S		ppm	Chromium Total								
		0.5		S		ppm	Cobalt								
		0.1		S		ppm	Copper								

BOE-C6-0133560

MWI 9645

		1.0		S		ppm	Lead	
		0.01		S		ppm	Mercury	
		0.5		S		ppm	Molybdenum	
		0.5		S		ppm	Nickel	
		1.0		S		ppm	Selenium	
		0.1		S		ppm	Silver	
		5.0		S		ppm	Thallium	
		0.5		S		ppm	Vanadium	
		0.1		S		ppm	Zinc	
							Tested	
TCLP		5.0		C		ppm	Antimony	
		1.0		C		ppm	Arsenic	
		0.1		C		ppm	Barium	
		0.1		C		ppm	Beryllium	
		0.1		C		ppm	Cadmium	
		0.5		C		ppm	Chromium (VI)	
		0.1		C		ppm	Chromium Total	
		0.5		C		ppm	Cobalt	
		0.1		C		ppm	Copper	
		1.0		C		ppm	Lead	
		0.01		C		ppm	Mercury	
		0.5		C		ppm	Molybdenum	
		0.5		C		ppm	Nickel	
		1.0		C		ppm	Selenium	
		0.1		C		ppm	Silver	
		5.0		C		ppm	Thallium	
		0.5		C		ppm	Vanadium	
		0.1		C		ppm	Zinc	
								12/30/97
							Tested	1
							Dilution Factor	
8260	2.5	0.5	71-43-2	T		ppb	Benzene	<
8260	2.5	0.5	75-27-4	T		ppb	Bromodichloromethane	<
8260	2.5	0.5	75-25-2	T		ppb	Bromoform	<
8260	2.5	1.0	74-83-9	T		ppb	Bromomethane	<
8260	5.0	0.5	75-15-0	T		ppb	Carbon Disulfide	<
8260	2.5	0.5	56-23-5	T		ppb	Carbon tetrachloride	<
8260	2.5	0.5	108-90-7	T		ppb	Chlorobenzene	<
8260	2.5	0.5	124-48-1	T		ppb	Chlorodibromomethane	<
8260	2.5	0.5	75-00-3	T		ppb	Chloroethane	<
8260	5.0	0.5	110-75-8	T		ppb	2-Chloroethyl vinyl ether	<
8260	2.5	0.5	67-66-3	T		ppb	Chloroform	<
8260	2.5	0.5	74-87-3	T		ppb	Chloromethane	<
8260	2.5	0.5	75-34-3	T		ppb	1,1-Dichloroethane	<
8260	2.5	0.5	107-06-2	T		ppb	1,2-Dichloroethane	<
8260	2.5	0.5	75-35-4	T		ppb	1,1-Dichloroethene	<
8260	2.5	0.5	156-60-5	T		ppb	Trans 1,2-Dichloroethene	<
8260	2.5	0.5	78-87-5	T		ppb	1,2-Dichloropropane	<
8260	2.5	0.5	10061-01-5	T		ppb	cis-1,3-Dichloropropene	<
8260	2.5	0.5	10061-02-6	T		ppb	trans-1,3-Dichloropropene	<
8260	2.5	0.5	100-41-4	T		ppb	Ethylbenzene	<

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8260	5.0	2.5	75-09-2	T		ppb	Methylene chloride												<
8260	2.5	0.5	100-42-5	T		ppb	Styrene												<
8260	2.5	0.5	79-34-5	T		ppb	1,1,2,2-Tetrachloroethane												<
8260	2.5	0.5	127-18-4	T		ppb	Tetrachloroethene												<
8260	2.5	0.5	108-88-3	T		ppb	Toluene												<
8260	2.5	0.5	71-55-6	T		ppb	1,1,1-Trichloroethane												<
8260	2.5	0.5	79-00-5	T		ppb	1,1,2-Trichloroethane												<
8260	2.5	0.5	79-01-6	T		ppb	Trichloroethene												<
8260	5.0	0.5	75-69-4	T		ppb	Trichlorofluoromethane												<
8260	5.0	1.0	108-05-4	T		ppb	Vinyl acetate												<
8260	2.5	0.5	75-01-4	T		ppb	Vinyl chloride												<
8260	2.5	1.0	1330-20-7	T		ppb	Total Xylenes												<
8260	2.5	0.5	75-71-8	T		ppb	Dichlorodifluoromethane												<
8260	2.5	0.5	156-59-2	T		ppb	cis-1-2,-Dichloroethene												<
8260	2.5	0.5	594-20-7	T		ppb	2,2-Dichloropropane												<
8260	2.5	0.5	74-97-5	T		ppb	Bromochloromethane												<
8260	2.5	0.5	563-58-6	T		ppb	1,1-Dichloropropene												<
8260	2.5	0.5	74-95-3	T		ppb	Dibromomethane												<
8260	2.5	0.5	106-93-4	T		ppb	1,2-Dibromoethane												<
8260	2.5	0.5	142-28-9	T		ppb	1,3-Dichloropropane												<
8260	2.5	0.5	98-82-8	T		ppb	Isopropylbenzene												<
8260	2.5	0.5	79-34-5	T		ppb	1,1,2,2-Tetrachloroethane												<
8260	2.5	0.5	96-18-4	T		ppb	1,2,3-Trichloropropane												<
8260	2.5	0.5	108-86-1	T		ppb	Bromobenzene												<
8260	2.5	0.5	103-65-1	T		ppb	n-Propylbenzene												<
8260	2.5	0.5	95-49-8	T		ppb	2-Chlorotoluene												<
8260	2.5	0.5	108-67-8	T		ppb	1,3,5-Trimethylbenzene												<
8260	2.5	0.5	106-43-4	T		ppb	4-Chlorotoluene												<
8260	2.6	0.6	98-06-6	T		ppb	tert-Butylbenzene												<
8260	2.6	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												107
					T	%	Toluene-d8												105
					T	%	4-Bromofluorobenzene												98
																		0	12/30/97
							Tested												1
							Dilution Factor												<
8270	100	5.0	83-32-9	T		ppb	Acenaphthene												<
8270	100	5.0	208-96-8	T		ppb	Acenaphthylene												<
8270	100	5.0	62-53-3	T		ppb	Aniline												<
8270	100	5.0	120-12-7	T		ppb	Anthracene												<
8270	500	50	65-85-0	T		ppb	Benzoic Acid												

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8270	100	5.0	56-55-3	T		ppb	Benzo (a) anthracene											<
8270	250	25	205-99-2	T		ppb	Benzo (b) fluoranthene											<
8270	250	25	207-08-9	T		ppb	Benzo (k) fluoranthene											<
8270	250	25	191-24-2	T		ppb	Benzo (g,h,i)perylene											<
8270	250	25	50-32-8	T		ppb	Benzo (a) pyrene											<
8270	100	50	100-51-6	T		ppb	Benzyl alcohol											<
8270	100	5.0	111-91-1	T		ppb	Bis(2-chloroethoxy)methane											<
8270	100	5.0	111-44-4	T		ppb	Bis(2-chloroethyl)ether											<
8270	100	5.0	39638-32-9	T		ppb	Bis(2-chloroisopropyl)ether											<
8270	100	3.0	117-81-7	T		ppb	Bis(2-ethylhexyl)phthalate											<
8270	100	5.0	101-55-3	T		ppb	4-Bromophenyl phenyl ether											<
8270	100	5.0	85-68-7	T		ppb	Butyl benzyl phthalate											<
8270	100	5.0	106-47-8	T		ppb	4-Chloroaniline											<
8270	100	5.0	91-58-7	T		ppb	2-Chloronaphthalene											<
8270	100	5.0	59-50-7	T		ppb	4-Chloro-3-methylphenol											<
8270	100	5.0	95-57-8	T		ppb	2-Chlorophenol											<
8270	100	5.0	7005-72-3	T		ppb	4-Chlorophenyl phenyl ehter											<
8270	100	5.0	218-0109	T		ppb	Chrysene											<
8270	100	25	53-70-3	T		ppb	Dibenz(a,h)anthracene											<
8270	100	5.0	132-64-9	T		ppb	Dibenzofuran											<
8270	250	5.0	84-74-2	T		ppb	Di-N-butyl phthalate											<
8270	100	5.0	541-73-1	T		ppb	1,3-Dichlorobenzene											<
8270	100	5.0	106-46-7	T		ppb	1,4-Dichlorobenzene											<
8270	100	5.0	95-50-1	T		ppb	1,2-Dichlorobenzene											<
8270	100	5.0	91-94-1	T		ppb	3,3-Dichlorobenzidine											<
8270	100	5.0	120-83-2	T		ppb	2,4-Dichlorophenol											<
8270	100	5.0	84-66-2	T		ppb	Diethyl phthalate											<
8270	100	5.0	105-67-9	T		ppb	2,4-Dimethylphenol											<
8270	100	5.0	131-11-3	T		ppb	Dimethyl phthalate											<
8270	100	50	534-52-1	T		ppb	4,6-Dinitro-2-methylphenol											<
8270	100	50	51-28-5	T		ppb	2,4-Dinitrophenol											<
8270	250	5.0	121-14-2	T		ppb	2,4-Dinitrotoluene											<
8270	250	5.0	606-20-2	T		ppb	2,6-Dinitrotoluene											<
8270	250	25	117-84-0	T		ppb	Di-N-octyl phthalate											<
8270	100	5.0	206-44-0	T		ppb	Fluoranthene											<
8270	100	5.0	86-73-7	T		ppb	Fluorene											<
8270	100	5.0	118-74-1	T		ppb	Hexachlorobenzene											<
8270	100	5.0	87-68-3	T		ppb	Hexachlorobutadiene											<
8270	100	5.0	77-47-4	T		ppb	Hexachlorocyclopentadiene											<
8270	100	5.0	67-72-1	T		ppb	Hexachloroethane											<
8270	250	25	193-39-5	T		ppb	Indeno(1,2,3-cd)pyrene											<
8270	100	5.0	78-59-1	T		ppb	Isophorone											<
8270	100	5.0	91-57-6	T		ppb	2-Methylnaphthalene											<
8270	100	5.0	95-48-7	T		ppb	2-Methylphenol											<
8270	100	5.0	106-44-5	T		ppb	4-Methylphenol											<
8270	100	5.0	91-20-3	T		ppb	Naphthalene											<
8270	250	50	88-74-4	T		ppb	2-Nitroaniline											<
8270	250	50	99-09-2	T		ppb	3-Nitroaniline											<
8270	250	50	100-01-6	T		ppb	4-Nitroaniline											<
8270	100	5.0	98-95-3	T		ppb	Nitrobenzene											<
8270	100	5.0	88-75-5	T		ppb	2-Nitrophenol											<
8270	100	50	100-02-7	T		ppb	4-Nitrophenol											<
8270	100	5.0	86-30-6	T		ppb	N-Nitrosodiphenylamine											<

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8270	100	5.0	621-64-7	T		ppb	N-Nitroso-di-N-propylamine										<
8270	100	5.0	62-75-9	T		ppb	N-Nitrosodimethylamine										<
8270	250	50	87-86-5	T		ppb	Pentachlorophenol										<
8270	100	5.0	85-01-8	T		ppb	Phenanthrene										<
8270	100	5.0	108-95-2	T		ppb	Phenol										<
8270	100	5.0	129-00-0	T		ppb	Pyrene										<
8270	100	5.0	120-82-1	T		ppb	1,2,4-Trichlorobenzene										<
8270	100	5.0	95-95-4	T		ppb	2,4,5-Trichlorophenol										<
8270	100	5.0	88-06-2	T		ppb	2,4,6-Trichlorophenol										<
							Tested										
							Dilution Factor										
8080	20	5.0	12674-11-2	T		ppb	PCB-1016										
8080	20	5.0	11104-28-2	T		ppb	PCB-1221										
8080	20	5.0	11141-16-5	T		ppb	PCB-1232										
8080	20	5.0	53469-21-9	T		ppb	PCB-1242										
8080	20	5.0	12672-29-6	T		ppb	PCB-1248										
8080	20	5.0	11097-69-1	T		ppb	PCB-1254										
8080	20	5.0	11096-82-5	T		ppb	PCB-1260										
							Tested										
							Dilution Factor										
8080	1.0	0.1	309-00-2	T		ppb	Aldrin										
8080	1.0	0.2	319-84-6	T		ppb	alpha-BHC										
8080	1.0	0.2	319-85-7	T		ppb	beta-BHC										
8080	2.0	0.2	319-86-8	T		ppb	gamma-BHC										
8080	1.0	0.2	58-89-9	T		ppb	gamma-BHC (Lindane)										
8080	10	0.2	57-74-9	T		ppb	Chlordane										
8080	2.0	0.5	72-54-9	T		ppb	4,4'-DDD										
8080	5.0	0.1	72-55-9	T		ppb	4,4'-DDE										
8080	1.0	0.1	50-29-3	T		ppb	4,4'-DDT										
8080	2.0	0.5	60-57-1	T		ppb	Dieldrin										
8080	1.0	0.5	959-98-8	T		ppb	Endosulfan I										
8080	2.0	0.5	33213-65-9	T		ppb	Endosulfan II										
8080	10	0.5	1031-07-8	T		ppb	Endosulfan sulfate										
8080	2.0	0.02	72-20-8	T		ppb	Endrin										
8080	2.0	0.2	7421-93-4	T		ppb	Endrin aldehyde										
8080	1.0	0.1	76-44-8	T		ppb	Heptachlor										
8080	1.0	0.2	1024-57-3	T		ppb	Heptachlor epoxide										
8080	30	9.0	72-43-5	T		ppb	Methoxychlor										
8080	35	0.5	8001-35-2	T		ppb	Toxaphene										
							Tested										
8015m				T		ppm	Up to & Including C-12										
8015m				T		ppm	C13-22										
8015m				T		ppm	C23 & Higher										
8015m	8.0	0.5		T		ppm	Total										
							Tested										
8015m	8.0	0.5		T		ppm	Diesel										
							Tested										
8015m	5.0	0.05		T		ppm	Gas										

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9060	5.0	1.0		T		ppm	*Tested* TOC									
9081	1.0	1.0		T		ppm	*Tested* Cation Exchange Capacity									

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

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