ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
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LABORATORY REPORT FORM

Laboratory Name: ORANGE COAST ANALYTICAL, INC.

Address: 3002 Dow Suite 532 Tustin, CA 92780

Telephone: (714) 832-0064

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

Laboratory Director's Name (Print) : Mark Noorani

Client: Montgomery Watson

Project No.: 1206035.01090010

Project Name: The Boeing Company

Laboratory Reference: MWI 9708

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

Date Sampled: 11/07/97
Date Received: 11/07/97
Date Reported: 11/18/97

Sample Matrix: Water & Soil

Chain of Custody Received: Yes

Laboratory Director's Signature: Mark Noorani

METHOD ID	LIMIT1 SOIL	LIMIT1 WATER	LAB CAS ID	PF CODE	SURROG FLG	Units	LAB CHEM	97110043	97110044	97110045	97110046	97110047	97110048	97110049	QC(S) LAB SAMP NO.	R1	T CONC
							SAMP TYPE	S	S	S	S	W	W	W			
							RES CODE	PP01	PP01	PP01	PP01	BF11	BR11	BT11			
							SAMP ID	PL-GS-12-6'	PL-GS-13-5'	PL-GS-14-2'	RR2-GS-2-2'	EQUIP BLANK	RINSATE BLANK	TRIP BLANK			
							SAMP DATE	11/07/97	11/07/97	11/07/97	11/07/97	11/07/97	11/07/97	11/07/97			
							SAMP TIME	10:00	10:40	13:55	14:00	14:50	15:00				
							SAMP DEPTH	6'	5'	2'	2'						
							PRESERVED					, N, H	, N, H	, N, H			
							ICED	Y	Y	Y		Y	Y	Y			
							RECEIVED	11/07/97	11/07/97	11/07/97	11/07/97	11/07/97	11/07/97	11/07/97			
							REC TIME	15:15	15:15	15:15	15:15	15:15	15:15	15:15			
							BASIS	W	W	W		W	W	W			
							Tested	11/10/97	11/10/97	11/10/97	11/10/97	11/10/97	11/10/97		11/10/97		
418.1	8.0	0.5		T		ppm	Extractable Hydrocarbons	5,000	4,200	4,600	98	<	<		97100440	0.0	100
							Tested	11/11/97	11/11/97	11/11/97	11/11/97	11/17/97	11/17/97		11/11/97		
6010	5.0	0.5		T		ppm	Antimony	<	<	<	<	<	<		97110027	0.0	30.0
6010	1.0	0.1		T		ppm	Arsenic	<	17	<	<	<	<		97110027	0.0	10.0
6010	0.1	0.01		T		ppm	Barium	130	76	140	120	<	<		97110027	11.0	10.0
6010	0.1	0.01		T		ppm	Beryllium	<	<	<	<	<	<		97110027	0.00	1.00
6010	0.1	0.01		T		ppm	Cadmium	<	<	<	<	<	<		97110027	0.00	1.00
							Tested	11/10/97	11/10/97	11/10/97	11/10/97	11/10/97	11/10/97		11/10/97		
7196	0.5	0.01		T		ppm	Chromium (VI)	<	<	<	<	<	<		97110044	0.00	1.00
							Tested	11/11/97	11/11/97	11/11/97	11/11/97	11/17/97	11/17/97		11/11/97		
6010	0.1	0.01		T		ppm	Chromium Total	29	32	39	29	<	<		97110027	2.9	5.0
6010	0.5	0.1		T		ppm	Cobalt	12	6.7	10	12	<	<		97110027	0.79	1.00
6010	0.1	0.01		T		ppm	Copper	13	17	15	13	<	<		97110027	1.10	1.00
6010	1.0	0.1		T		ppm	Lead	<	20	<	<	<	<		97110027	0.00	10.0
							Tested	11/10/97	11/10/97	11/10/97	11/10/97	11/10/97	11/10/97		11/10/97		
7471	0.01	0.002		T		ppm	Mercury	<	<	<	<	<	<		97110019	0.000	0.020
							Tested	11/11/97	11/11/97	11/11/97	11/11/97	11/17/97	11/17/97		11/11/97		
6010	0.5	0.1		T		ppm	Molybdenum	<	<	<	<	<	<		97110027	0.0	10.0
6010	0.5	0.1		T		ppm	Nickel	12	19	15	12	<	<		97110027	1.3	5.0
6010	1.0	0.1		T		ppm	Selenium	<	<	<	<	<	<		97110027	0.0	10.0
6010	0.1	0.1		T		ppm	Silver	<	<	<	<	<	<		97110027	0.0	5.0
6010	5.0	0.5		T		ppm	Thallium	<	<	<	<	<	<		97110027	0.0	30.0
6010	0.5	0.1		T		ppm	Vanadium	31	36	41	35	<	<		97110027	3.0	5.0
6010	0.1	0.01		T		ppm	Zinc	42	51	48	45	<	<		97110027	4.0	5.0
							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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		1.0		S		ppm	Lead										
		0.01		S		ppm	Mercury										
		0.5		S		ppm	Molybdenum										
		0.5		S		ppm	Nickel										
		1.0		S		ppm	Selenium										
		0.1		S		ppm	Silver										
		5.0		S		ppm	Thallium										
		0.5		S		ppm	Vanadium										
		0.1		S		ppm	Zinc										
							Tested										
TCLP		5.0		C		ppm	Antimony										
		1.0		C		ppm	Arsenic										
		0.1		C		ppm	Barium										
		0.1		C		ppm	Beryllium										
		0.1		C		ppm	Cadmium										
		0.5		C		ppm	Chromium (VI)										
		0.1		C		ppm	Chromium Total										
		0.5		C		ppm	Cobalt										
		0.1		C		ppm	Copper										
		1.0		C		ppm	Lead										
		0.01		C		ppm	Mercury										
		0.5		C		ppm	Molybdenum										
		0.5		C		ppm	Nickel										
		1.0		C		ppm	Selenium										
		0.1		C		ppm	Silver										
		5.0		C		ppm	Thallium										
		0.5		C		ppm	Vanadium										
		0.1		C		ppm	Zinc										
							Tested	11/10/97	11/10/97	11/10/97	11/11/97	11/13/97	11/13/97	11/13/97	11/11/97		
							Dilution Factor	20	40	20	1	1	1	1			
8260	2.5	0.5	71-43-2	T		ppb	Benzene	<	<	<	<	<	<	<	97110020	0.0	50
8260	2.5	0.5	75-27-4	T		ppb	Bromodichloromethane	<	<	<	<	<	<	<			
8260	2.5	0.5	75-25-2	T		ppb	Bromoform	<	<	<	<	<	<	<			
8260	2.5	1.0	74-83-9	T		ppb	Bromomethane	<	<	<	<	<	<	<			
8260	5.0	0.5	75-15-0	T		ppb	Carbon Disulfide	<	<	<	<	<	<	<			
8260	2.5	0.5	56-23-5	T		ppb	Carbon tetrachloride	<	<	<	<	<	<	<			
8260	2.5	0.5	108-90-7	T		ppb	Chlorobenzene	<	<	<	<	<	<	<	97110020	0.0	50
8260	2.5	0.5	124-48-1	T		ppb	Chlorodibromomethane	<	<	<	<	<	<	<			
8260	2.5	0.5	75-00-3	T		ppb	Chloroethane	<	<	<	<	<	<	<			
8260	5.0	0.5	110-75-8	T		ppb	2-Chloroethyl vinyl ether	<	<	<	<	<	<	<			
8260	2.5	0.5	67-66-3	T		ppb	Chloroform	<	<	<	<	<	<	<			
8260	2.5	0.5	74-87-3	T		ppb	Chloromethane	<	<	<	<	<	<	<			
8260	2.5	0.5	75-34-3	T		ppb	1,1-Dichloroethane	<	<	<	<	<	<	<			
8260	2.5	0.5	107-06-2	T		ppb	1,2-Dichloroethane	<	<	<	<	<	<	<			
8260	2.5	0.5	75-35-4	T		ppb	1,1-Dichloroethene	<	<	<	<	<	<	<	97110020	0.0	50
8260	2.5	0.5	156-60-5	T		ppb	Trans 1,2-Dichloroethene	<	<	<	<	<	<	<			
8260	2.5	0.5	78-87-5	T		ppb	1,2-Dichloropropane	<	<	<	<	<	<	<			
8260	2.5	0.5	10061-01-5	T		ppb	cis-1,3-Dichloropropene	<	<	<	<	<	<	<			
8260	2.5	0.5	10061-02-6	T		ppb	trans-1,3-Dichloropropene	<	<	<	<	<	<	<			
8260	2.5	0.5	100-41-4	T		ppb	Ethylbenzene	170	<	<	<	<	<	<			

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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	<	<	<	<	<	<	<	97110020	0.0	50	
8260	2.5	0.5	71-55-6	T		ppb	1,1,1-Trichloroethane	<	<	<	<	<	<	<				
8260	2.5	0.5	79-00-5	T		ppb	1,1,2-Trichloroethane	<	<	<	<	<	<	<				
8260	2.5	0.5	79-01-6	T		ppb	Trichloroethene	<	<	<	<	<	<	<	97110020	0.0	50	
8260	5.0	0.5	75-69-4	T		ppb	Trichlorofluoromethane	<	<	<	<	<	<	<				
8260	5.0	1.0	108-05-4	T		ppb	Vinyl acetate	<	<	<	<	<	<	<				
8260	2.5	0.5	75-01-4	T		ppb	Vinyl chloride	<	<	<	<	<	<	<				
8260	2.5	1.0	1330-20-7	T		ppb	Total Xylenes	500	<	<	<	<	<	<				
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	140	<	<	<	<	<	<				
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	400	450	100	<	<	<	<				
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	290	150	68	<	<	<	<				
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	4,600	650	570	<	<	<	<				
8260	2.5	0.5	135-98-8	T		ppb	sec-Butylbenzene	<	390	<	<	<	<	<				
8260	2.5	0.5	99-87-6	T		ppb	4-Isopropyltoluene	580	260	<	<	<	<	<				
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	1,200	720	250	<	<	<	<				
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	6,600	7,800	4,600	<	<	<	<				
8260	2.5	0.5	87-61-6	T		ppb	1,2,3-Trichlorobenzene	<	<	<	<	<	<	<				
					T	%	Dibromofluoromethane	98	97	103	104	98	96	97				
					T	%	Toluene-d8	105	106	107	105	106	106	106				
					T	%	4-Bromofluorobenzene	103	100	101	98	99	98	99				
							Tested	11/11/97	11/11/97	11/10/97	11/10/97	11/11/97	11/11/97		11/10/97			
							Dilution Factor	10	10	12	1	1	1					
8270	100	5.0	83-32-9	T		ppb	Acenaphthene	2,700	2,600	4,400	160	<	<		97110020	0.0	50	
8270	100	5.0	208-96-8	T		ppb	Acenaphthylene	<	<	<	<	<	<					
8270	100	5.0	62-53-3	T		ppb	Aniline	<	<	<	<	<	<					
8270	100	5.0	120-12-7	T		ppb	Anthracene	2,100	2,600	4,200	130	<	<					
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	1,100	3,000	4,300	120	<	<				
8270	250	25	205-99-2	T	ppb	Benzo (b) fluoranthene	<	2,700	<	<	<	<				
8270	250	25	207-08-9	T	ppb	Benzo (k) fluoranthene	<	2,800	<	<	<	<				
8270	250	25	191-24-2	T	ppb	Benzo (g,h,i)perylene	<	<	<	<	<	<				
8270	250	25	50-32-8	T	ppb	Benzo (a) pyrene	<	3,800	4,000	<	<	<				
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	<	<	<	<	<	<	97110020	0.0	100
8270	100	5.0	95-57-8	T	ppb	2-Chlorophenol	<	<	<	<	<	<	97110020	0.0	100
8270	100	5.0	7005-72-3	T	ppb	4-Chlorophenyl phenyl ehter	<	<	<	<	<	<			
8270	100	5.0	218-0109	T	ppb	Chrysene	2,100	3,700	5,100	180	<	<			
8270	100	25	53-70-3	T	ppb	Dibenz(a,h)anthracene	<	<	<	<	<	<			
8270	100	5.0	132-64-9	T	ppb	Dibenzofuran	<	1,200	<	<	<	<			
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	<	<	<	<	<	<	97110020	0.0	50
8270	100	5.0	95-50-1	T	ppb	1,2-Dichlorobenzene	<	<	<	<	<	<			
8270	100	5.0	91-94-1	T	ppb	3,3-Dichlorobenzidine	<	<	<	<	<	<			
8270	100	5.0	120-83-2	T	ppb	2,4-Dichlorophenol	<	<	<	<	<	<			
8270	100	5.0	84-66-2	T	ppb	Diethyl phthalate	<	<	<	<	<	<			
8270	100	5.0	105-67-9	T	ppb	2,4-Dimethylphenol	<	<	<	<	<	<			
8270	100	5.0	131-11-3	T	ppb	Dimethyl phthalate	<	<	<	<	<	<			
8270	100	50	534-52-1	T	ppb	4,6-Dinitro-2-methylphenol	<	<	<	<	<	<			
8270	100	50	51-28-5	T	ppb	2,4-Dinitrophenol	<	<	<	<	<	<			
8270	250	5.0	121-14-2	T	ppb	2,4-Dinitrotoluene	<	<	<	<	<	<			
8270	250	5.0	606-20-2	T	ppb	2,6-Dinitrotoluene	<	<	<	<	<	<			
8270	250	25	117-84-0	T	ppb	Di-N-octyl phthalate	<	<	<	<	<	<			
8270	100	5.0	206-44-0	T	ppb	Fluoranthene	<	6,600	3,700	<	<	<			
8270	100	5.0	86-73-7	T	ppb	Fluorene	3,600	2,500	<	<	<	<			
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	<	2,500	<	<	<	<			
8270	100	5.0	78-59-1	T	ppb	Isophorone	<	<	<	<	<	<			
8270	100	5.0	91-57-6	T	ppb	2-Methylnaphthalene	46,000	12,000	29,000	<	<	<			
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	6,700	5,700	7,900	<	<	<			
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	<	<	<	<	<	<	97110020	0.0	50
8270	100	5.0	62-75-9	T	ppb	N-Nitrosodimethylamine	<	<	<	<	<	<			
8270	250	50	87-86-5	T	ppb	Pentachlorophenol	<	<	<	<	<	<	97110020	0.0	100
8270	100	5.0	85-01-8	T	ppb	Phenanthrene	9,100	4,700	24,000	<	<	<			
8270	100	5.0	108-95-2	T	ppb	Phenol	<	<	<	<	<	<	97110020	0.0	100
8270	100	5.0	129-00-0	T	ppb	Pyrene	3,300	6,300	14,000	490	<	<	97110020	0.0	50
8270	100	5.0	120-82-1	T	ppb	1,2,4-Trichlorobenzene	<	<	<	<	<	<	97110020	0.0	50
8270	100	5.0	95-95-4	T	ppb	2,4,5-Trichlorophenol	<	<	<	<	<	<			
8270	100	5.0	88-06-2	T	ppb	2,4,6-Trichlorophenol	<	<	<	<	<	<			
						Tested	11/10/97	11/10/97	11/10/97	11/10/97	11/12/97	11/12/97	11/10/97		
						Dilution Factor	1	1	1	1	1	1			
8080	20	5.0	12674-11-2	T	ppb	PCB-1016	<	<	<	<	<	<			
8080	20	5.0	11104-28-2	T	ppb	PCB-1221	<	<	<	<	<	<			
8080	20	5.0	11141-16-5	T	ppb	PCB-1232	<	<	<	<	<	<			
8080	20	5.0	53469-21-9	T	ppb	PCB-1242	<	<	<	<	<	<			
8080	20	5.0	12672-29-6	T	ppb	PCB-1248	<	<	<	<	<	<			
8080	20	5.0	11097-69-1	T	ppb	PCB-1254	<	<	<	<	<	<			
8080	20	5.0	11096-82-5	T	ppb	PCB-1260	<	<	<	<	<	<	97110020	0.0	250
						Tested					11/11/97	11/11/97			
						Dilution Factor					1	1			
8080	1.0	0.1	309-00-2	T	ppb	Aldrin					<	<			
8080	1.0	0.2	319-84-6	T	ppb	alpha-BHC					<	<			
8080	1.0	0.2	319-85-7	T	ppb	beta-BHC					<	<			
8080	2.0	0.2	319-86-8	T	ppb	gamma-BHC					<	<			
8080	1.0	0.2	58-89-9	T	ppb	gamma-BHC (Lindane)					<	<			
8080	10	0.2	57-74-9	T	ppb	Chlordane					<	<			
8080	2.0	0.5	72-54-9	T	ppb	4,4'-DDD					<	<			
8080	5.0	0.1	72-55-9	T	ppb	4,4'-DDE					<	<			
8080	1.0	0.1	50-29-3	T	ppb	4,4'-DDT					<	<			
8080	2.0	0.5	60-57-1	T	ppb	Dieldrin					<	<			
8080	1.0	0.5	959-98-8	T	ppb	Endosulfan I					<	<			
8080	2.0	0.5	33213-65-9	T	ppb	Endosulfan II					<	<			
8080	10	0.5	1031-07-8	T	ppb	Endosulfan sulfate					<	<			
8080	2.0	0.02	72-20-8	T	ppb	Endrin					<	<			
8080	2.0	0.2	7421-93-4	T	ppb	Endrin aldehyde					<	<			
8080	1.0	0.1	76-44-8	T	ppb	Heptachlor					<	<			
8080	1.0	0.2	1024-57-3	T	ppb	Heptachlor epoxide					<	<			
8080	30	9.0	72-43-5	T	ppb	Methoxychlor					<	<			
8080	35	0.5	8001-35-2	T	ppb	Toxaphene					<	<			
						Tested	11/11/97	11/11/97	11/11/97						
8015m				T	ppm	Up to & Including C-12	830	300	770						
8015m				T	ppm	C13-22	6,300	2,900	9,200						
8015m				T	ppm	C23 & Higher	1,900	3,100	2,300						
8015m	8.0	0.5		T	ppm	Total	9,000	6,300	12,000						
						Tested	11/11/97	11/11/97	11/11/97		11/11/97	11/11/97	11/11/97		
8015m	8.0	0.5		T	ppm	Diesel	7,100	2,400	10,000		<	<	OCA 200	0.0	100
						Tested	11/10/97	11/10/97	11/10/97		11/11/97	11/11/97	11/10/97		
						Dilution Factor	1	1	2		1	1			

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MWI

8015m	5.0	0.05		T		ppm	Gas	250	110	280		<	<		OCA 200	0.0	50
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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					QC(W)								QC(S)							
SL[e]	DL[e]	RECOVER	D RECOVER	RPD	LAB SAMP NO.	R1	T CONC	SL[e]	DL[e]	RECOVER	D RECOVER	RPD	LAB SAMP NO.	R1	T CONC	SL[e]	DL[e]	RECOVER	D RECOVER	RPD
107	101	107	101	6	11/10/97 OCA 100	0.0	2.5	2.6	2.5	104	100	4								
26.6	27.0	89	90	1	11/17/97 97110048	0.00	3.00	3.06	3.18	102	106	4								
9.2	9.3	92	93	1	97110048	0.00	1.00	1.05	1.10	105	110	5								
20.0	19.8	90	88	1	97110048	0.000	0.100	0.101	0.104	101	104	3								
0.95	0.94	95	94	1	97110048	0.00	0.100	0.10	0.10	100	100	0								
0.94	0.91	94	91	3	97110048	0.00	0.100	0.10	0.10	100	100	0								
1.00	1.00	100	100	0	11/10/97 97110047	0.00	0.50	0.48	0.50	96	100	4								
7.4	7.6	90	94	3	11/17/97 97110048	0.00	0.100	0.10	0.10	100	100	0								
1.60	1.60	81	81	0	97110048	0.00	0.100	0.10	0.11	100	110	10								
2.00	1.90	90	80	5	97110048	0.000	0.100	0.103	0.107	103	107	4								
8.00	8.00	80	80	0	97110048	0.00	1.00	0.95	0.98	95	98	3								
0.023	0.023	115	115	0	11/10/97 OCA 100	0.000	0.020	0.023	0.022	115	110	4								
9.4	9.5	94	95	1	11/17/97 97110048	0.00	1.00	0.99	1.05	99	105	6								
5.4	5.5	82	84	2	97110048	0.00	0.50	0.51	0.53	102	106	4								
10.0	11.0	100	110	10	97110048	0.00	1.00	1.00	1.05	100	105	5								
4.0	4.0	80	80	0	97110048	0.00	1.50	1.55	1.60	103	107	3								
26.0	26.0	87	87	0	97110048	0.00	3.00	3.03	3.12	101	104	3								
7.4	7.5	88	90	1	97110048	0.00	0.50	0.49	0.50	98	100	2								
8.6	8.4	92	88	2	97110048	0.000	0.100	0.099	0.098	99	98	1								

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51	52	102	104	2	11/13/97 97110049	0.0	20	19	20	95	100	5
50	51	100	102	2	97110049	0.0	20	18	19	90	95	5
51	60	102	120	16	97110049	0.0	20	20	23	100	115	14

BOE-C6-0085534

53	54	106	108	2	97110049	0.0	20	19	21	95	105	10								
49	51	98	102	4	97110049	0.0	20	17	19	85	95	11								
38	39	76	78	3	11/11/97 OCA100	0.0	50	38	41	76	82	8	11/11/97 OCA 200	0.0	50	36	40	72	80	11

BOE-C6-0085535

65	68	65	68	5	OCA100	0.0	100	63	62	63	62	2	OCA 200	0.0	100	66	69	66	69	4
63	63	63	63	0	OCA100	0.0	100	62	65	62	65	5	OCA 200	0.0	100	59	64	59	64	8
34	35	68	70	3	OCA100	0.0	50	28	30	56	60	7	OCA 200	0.0	50	31	35	62	70	12

BOE-C6-0085536

32	36	64	72	12	OCA100	0.0	50	37	36	74	72	3	OCA 200	0.0	50	31	37	62	74	18
66	69	66	69	4	OCA100	0.0	100	68	69	68	69	1	OCA 200	0.0	100	66	71	66	71	7
60	60	60	60	0	OCA100	0.0	100	18	16	18	16	12	OCA 200	0.0	100	58	62	58	62	7
38	39	76	78	3	OCA100	0.0	50	38	43	76	86	12	OCA 200	0.0	50	37	41	74	82	10
36	37	72	74	3	OCA100	0.0	50	32	32	64	64	0	OCA 200	0.0	50	34	38	68	76	11
					11/12/97															
110	130	44	52	17	OCA100	0.0	20	9.4	7.0	47	35	29								
					11/11/97															
					OCA100	0.0	1.0	0.50	0.57	50	57	13								
					11/11/97															
100	92	100	92	8	OCA 100	0.0	5.0	4.0	4.0	80	80	0								
					11/11/97															

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MWI 9708

48	56	96	112	15	OCA 100	0.0	0.250	0.280	0.296	112	118	6								

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

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 1

REQUIRED TAT: 24 hr TAT on Soil TRPH & VOCs
5 day Turnaround on Soil Otherwise Standard TAT on WATER

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Montgomery Watson	PROJECT NAME:	The Boeing Company
SEND REPORT TO:	Fred Strauss	NUMBER:	1206035.01090010
ADDRESS:	250 N. Madison Ave. Pasadena, CA 91101	LOCATION:	C-6 Facility
		ADDRESS:	19503 S. Normandie Ave. Los Angeles, CA
PHONE:	(626) 568-6582 FAX: (626) 796-5944	SAMPLED BY:	IV/CW

ANALYSIS/METHOD REQUEST

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	Title 22 Metals	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080	Carbon Chain	8015 gas	8015 diesel	REMARKS/PRECAUTIONS
PL-GS-12-6'	2	11/7/97	1000	SOIL	2"x6" SS SLEEVE	ICE	X	X	X	X	X		X	X	X	
PL-GS-13-5'	2	11/7/97	1040	SOIL			X	X	X	X	X		X	X	X	
PL-GS-14-2'	2	11/7/97	1355	SOIL			X	X	X	X	X		X	X	X	
RR2-GS-2-2'	2	11/7/97	1400	SOIL			X	X	X	X	X					
Equipment Blank	9	11/7/97	1450	WATER	5 amber 1 poly 3 VOAs	none HNO3 HCl	X	X	X	X	X	X		X	X	
Rinsate Blank	9	11/7/97	1500	WATER			X	X	X	X	X	X		X	X	
Trip Blank	2	11/7/97	—	WATER	2 VOAs	HCl			X							

Total No. of Samples: 7

Method of Shipment: 1 cooler via Orange Coast Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ivan Vargas	11/7/97 1515		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:

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

Sample Integrity: (check)

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

LABORATORY REPORT FORM

Laboratory Name: ORANGE COAST ANALYTICAL, INC.

Address: 3002 Dow Suite 532 Tustin, CA 92780

Telephone: (714) 832-0064

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

Laboratory Director's Name (Print) : Mark Noorani

Client: Montgomery Watson

Project No.: 1206035.01090010

Project Name: The Boeing Company

Laboratory Reference: MWI 9845

Analytical Method: EPA 8260, 8270, Title 22 Metals

Date Sampled: 12/29/97
Date Received: 12/29/97
Date Reported: 01/05/98

Sample Matrix: Water & Soil

Chain of Custody Received: Yes

Laboratory Director's Signature: Mark Noorani

METHOD ID	LIMIT1 SOIL	LIMIT1 WATER	LAB CAS ID	PF CODE	SURROG FLG	Units	LAB CHEM	97120565	97120566	97120567	97120568	97120569	97120570	97120571	97120572
							SAMP TYPE	S	S	W	W	W	S	S	S
							RES CODE	PP01	PP01	BF11	BR11	BT11	PP01	PP01	PP01
							SAMP ID	PH-LTU-2A-GS-1	PH-LTU-2-GS-1	EQUIP BLANK	RINSATE BLANK	TRIP BLANK	B41-LTU-1-GS-1	BA-LTU-2-GS-1	BA-LTU-1-GS-1
							SAMP DATE	12/29/97	12/29/97	12/29/97	12/29/97	12/29/97	12/29/97	12/29/97	12/29/97
							SAMP TIME	13:20	13:30	13:50	14:00		14:30	14:35	14:40
							SAMP DEPTH	1'	1'						
							PRESERVED			, N, H	, N, H	, N, H			
							ICED	Y	Y	Y	Y	Y	Y	Y	Y
							RECEIVED	12/29/97	12/29/97	12/29/97	12/29/97	12/29/97	12/29/97	12/29/97	12/29/97
							REC TIME	14:55	14:55	14:55	14:55	14:55	14:55	14:55	14:55
							BASIS	W	W	W	W	W	W	W	W
							Tested								
418.1	8.0	0.5		T		ppm	Extractable Hydrocarbons								
							Tested	01/02/98	01/02/98	01/02/98	01/02/98		01/02/98	01/02/98	01/02/98
6010	5.0	0.5		T		ppm	Antimony	<	<	<	<		<	<	<
6010	1.0	0.1		T		ppm	Arsenic	14	3.5	<	<		7.9	3.1	3.8
6010	0.1	0.01		T		ppm	Barium	79	23	<	<		91	110	100
6010	0.1	0.01		T		ppm	Beryllium	<	<	<	<		<	<	<
6010	0.1	0.01		T		ppm	Cadmium	1.2	1.3	<	<		0.9	1.6	1.3
							Tested	12/30/97	12/30/97	12/30/97	12/30/97		12/31/97	12/30/97	12/30/97
7196	0.5	0.01		T		ppm	Chromium (VI)	<	<	<	<		<	<	<
							Tested	01/02/98	01/02/98	01/02/98	01/02/98		01/02/98	01/02/98	01/02/98
6010	0.1	0.01		T		ppm	Chromium Total	15	15	<	<		12	15	15
6010	0.5	0.1		T		ppm	Cobalt	7.0	8.3	<	<		6.8	10	9.1
6010	0.1	0.01		T		ppm	Copper	14	18	<	<		15	15	17
6010	1.0	0.1		T		ppm	Lead	4.4	2.1	<	<		3.5	4.2	3.6
							Tested	12/31/97	12/31/97	12/31/97	12/31/97		12/31/97	12/31/97	12/31/97
7471	0.01	0.002		T		ppm	Mercury	<	<	<	<		<	<	<
							Tested	01/02/98	01/02/98	01/02/98	01/02/98		01/02/98	01/02/98	01/02/98
6010	0.5	0.1		T		ppm	Molybdenum	<	<	<	<		<	<	<
6010	0.5	0.1		T		ppm	Nickel	9.9	14	<	<		9.5	9.8	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	27	17	<	<		24	29	29
6010	0.1	0.01		T		ppm	Zinc	34	27	<	<		30	32	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								

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		1.0		S		ppm	Lead								
		0.01		S		ppm	Mercury								
		0.5		S		ppm	Molybdenum								
		0.5		S		ppm	Nickel								
		1.0		S		ppm	Selenium								
		0.1		S		ppm	Silver								
		5.0		S		ppm	Thallium								
		0.5		S		ppm	Vanadium								
		0.1		S		ppm	Zinc								
							Tested								
TCLP		5.0		C		ppm	Antimony								
		1.0		C		ppm	Arsenic								
		0.1		C		ppm	Barium								
		0.1		C		ppm	Beryllium								
		0.1		C		ppm	Cadmium								
		0.5		C		ppm	Chromium (VI)								
		0.1		C		ppm	Chromium Total								
		0.5		C		ppm	Cobalt								
		0.1		C		ppm	Copper								
		1.0		C		ppm	Lead								
		0.01		C		ppm	Mercury								
		0.5		C		ppm	Molybdenum								
		0.5		C		ppm	Nickel								
		1.0		C		ppm	Selenium								
		0.1		C		ppm	Silver								
		5.0		C		ppm	Thallium								
		0.5		C		ppm	Vanadium								
		0.1		C		ppm	Zinc								
							Tested	12/30/97	12/30/97	12/30/97	12/30/97	12/31/97	12/30/97	12/30/97	12/30/97
							Dilution Factor	1	1	1	1	1	1	1	1
8260	2.5	0.5	71-43-2	T		ppb	Benzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-27-4	T		ppb	Bromodichloromethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-25-2	T		ppb	Bromoform	<	<	<	<	<	<	<	<
8260	2.5	1.0	74-83-9	T		ppb	Bromomethane	<	<	<	<	<	<	<	<
8260	5.0	0.5	75-15-0	T		ppb	Carbon Disulfide	<	<	<	<	<	<	<	<
8260	2.5	0.5	56-23-5	T		ppb	Carbon tetrachloride	<	<	<	<	<	<	<	<
8260	2.5	0.5	108-90-7	T		ppb	Chlorobenzene	<	<	<	<	<	<	<	<
8260	2.5	0.5	124-48-1	T		ppb	Chlorodibromomethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-00-3	T		ppb	Chloroethane	<	<	<	<	<	<	<	<
8260	5.0	0.5	110-75-8	T		ppb	2-Chloroethyl vinyl ether	<	<	<	<	<	<	<	<
8260	2.5	0.5	67-66-3	T		ppb	Chloroform	<	<	<	<	<	<	<	<
8260	2.5	0.5	74-87-3	T		ppb	Chloromethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-34-3	T		ppb	1,1-Dichloroethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	107-06-2	T		ppb	1,2-Dichloroethane	<	<	<	<	<	<	<	<
8260	2.5	0.5	75-35-4	T		ppb	1,1-Dichloroethene	<	<	<	<	<	<	<	<
8260	2.5	0.5	156-60-5	T		ppb	Trans 1,2-Dichloroethene	<	<	<	<	<	<	<	<
8260	2.5	0.5	78-87-5	T		ppb	1,2-Dichloropropane	<	<	<	<	<	<	<	<
8260	2.5	0.5	10061-01-5	T		ppb	cis-1,3-Dichloropropene	<	<	<	<	<	<	<	<
8260	2.5	0.5	10061-02-6	T		ppb	trans-1,3-Dichloropropene	<	<	<	<	<	<	<	<
8260	2.5	0.5	100-41-4	T		ppb	Ethylbenzene	<	<	<	<	<	<	<	<

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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	2.5	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	107	108	107	108	106	104	105	107
					T	%	Toluene-d8	103	105	96	96	97	103	107	105
					T	%	4-Bromofluorobenzene	100	101	108	105	105	96	98	98
							Tested	12/30/97	12/30/97	12/30/97	12/30/97		01/02/98	12/30/97	12/30/97
							Dilution Factor	1	1	1	1		1	1	1
8270	100	5.0	83-32-9	T		ppb	Acenaphthene	<	<	<	<		<	<	<
8270	100	5.0	208-96-8	T		ppb	Acenaphthylene	<	<	<	<		<	<	<
8270	100	5.0	62-53-3	T		ppb	Aniline	<	<	<	<		<	<	<
8270	100	5.0	120-12-7	T		ppb	Anthracene	<	<	<	<		<	<	<
8270	500	50	65-85-0	T		ppb	Benzoic Acid	<	<	<	<		<	<	<

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8270	100	5.0	56-55-3	T		ppb	Benzo (a) anthracene	130	<	<	<		<	<	<
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	210	<	<	<		<	<	<
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	130	<	<	<		<	<	<
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	410	<	<	<		130	<	<
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.

BOE-C6-0085546

QC(S)								QC(W)							
LAB SAMP NO.	R1	T CONC	SL[e]	DL[e]	RECOVER	D RECOVER	RPD	LAB SAMP NO.	R1	T CONC	SL[e]	DL[e]	RECOVER	D RECOVER	RPD
01/02/98								01/02/98							
97120565	0.0	5.0	5.1	5.0	102	100	2	97120567	0.00	3.00	3.07	3.08	102	103	0
97120565	1.4	5.0	6.5	6.3	102	98	3	97120567	0.00	1.00	1.00	1.00	100	100	0
97120565	7.9	5.0	13.4	12.9	110	100	4	97120567	0.000	0.100	0.084	0.084	84	84	0
97120565	0.00	1.00	0.93	0.89	93	89	4	97120567	0.00	0.100	0.095	0.096	95	96	1
97120565	0.12	1.00	0.98	0.95	86	83	3	97120567	0.00	0.100	0.093	0.094	93	94	1
12/30/97								12/30/97							
97120572	0.00	1.00	1.00	1.00	100	100	0	97120567	0.00	0.50	0.51	0.50	102	100	2
01/02/98								01/02/98							
97120565	1.50	1.00	2.47	2.38	97	88	4	97120567	0.00	0.100	0.094	0.094	94	94	0
97120565	0.70	1.00	1.59	1.53	89	83	4	97120567	0.00	0.100	0.096	0.096	96	96	0
97120565	1.40	1.00	2.37	2.28	97	88	4	97120567	0.000	0.100	0.096	0.098	96	98	2
97120565	0.44	1.0	1.2	1.2	76	76	0	97120567	0.00	1.00	0.96	0.95	96	95	1
12/31/97								12/31/97							
97120565	0.000	0.020	0.022	0.024	110	120	9	OCA 100	0.000	0.020	0.019	0.019	95	95	0
01/02/98								01/02/98							
97120565	0.0	1.0	0.95	0.92	95	92	3	97120567	0.00	1.00	0.99	1.03	99	103	4
97120565	0.99	5.00	5.80	5.58	96	92	4	97120567	0.00	0.50	0.47	0.48	94	96	2
97120565	0.0	5.0	4.2	4.1	84	82	2	97120567	0.00	1.00	1.01	1.02	101	102	1
97120565	0.0	5.0	5.0	4.8	100	96	4	97120567	0.00	0.50	0.50	0.53	100	106	6
97120565	0.0	5.0	4.2	4.1	84	82	2	97120567	0.00	3.00	3.04	3.04	101	101	0
97120565	2.7	5.0	7.0	6.7	86	80	4	97120567	0.00	0.50	0.45	0.46	90	92	2
97120565	3.4	5.0	7.5	7.2	82	76	4	97120567	0.000	0.100	0.100	0.099	100	99	1

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12/30/97 1 OCA 200	0.0	50	51	54	102	108	6	12/30/97 1 97120568	0.0	20	15	15	75	75	0
OCA 200	0.0	50	47	48	94	96	2	97120568	0.0	20	16	15	80	75	6
OCA 200	0.0	50	48	59	96	118	21	97120568	0.0	20	15	15	75	75	0

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OCA 200	0.0	50	51	54	102	108	6	97120568	0.0	20	15	15	75	75	0
OCA 200	0.0	50	46	48	92	96	4	97120568	0.0	20	15	15	75	75	0
12/30/97								12/30/97							
OCA200	0.0	50	44	52	88	104	17	OCA100	0.0	50	37	39	74	78	5

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OCA200	0.0	100	69	65	69	65	6	OCA100	0.0	100	55	63	55	63	14
OCA200	0.0	100	70	68	70	68	3	OCA100	0.0	100	64	72	64	72	12
OCA200	0.0	50	38	38	76	76	0	OCA100	0.0	50	26	27	52	54	4

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OCA200	0.0	50	41	44	82	88	7	OCA100	0.0	50	39	36	78	72	8
OCA200	0.0	100	78	60	78	60	26	OCA100	0.0	100	61	70	61	70	14
OCA200	0.0	100	70	68	70	68	3	OCA100	0.0	100	22	30	22	30	31
OCA200	0.0	50	49	46	98	92	6	OCA100	0.0	50	41	46	82	92	11
OCA200	0.0	50	40	40	80	80	0	OCA100	0.0	50	27	29	54	58	7

BOE-C6-0085551

BOE-C6-0085552

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

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 1

REQUIRED TAT: SEE REMARKS

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

PROJECT INFORMATION
PROJECT NAME: The Boeing Company
NUMBER: 1206035.010900010
LOCATION: C-6 Facility
ADDRESS: 19503 S. Normandie Ave.
Los Angeles, CA 90501
SAMPLED BY: JV/CW/AN.

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	Title 22 Metals	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080	REMARKS/PRECAUTIONS
PH-LTU-2A GS-1	2	12/29/97	1320	SOIL	2"x6" ss sleeve	ICE	X	X	X				Due by Mon. 1/5/98 @ Noon
PH-LTU-2-GS-1	2	↓	1330	↓	↓		X	X	X				↓
EQUIPMENT BLANK	6		1350	WATER	3 amber poly 3 VOAs	none HNO3 HCl	X	X	X				Standard TAT
RINSATE BLANK	6		1400				X	X	X				
TRIP BLANK	2		—		2 VOAs	HCl		X					
~~MEA GS-1~~ BA1-LTU-1-GS-1	1	12/29/97	1430	SOIL	2"x6" ss sleeve	ICE	X	X	X				24-HR TAT
BA-LTU-2-GS-1	2		1435				X	X	X				Due by Mon. 1/5/98 @ Noon
BA-LTU-1-GS-1	2		1440				X	X	X				

Post-it™ Fax Note 7671
Date 12/31/97 # of pages ▶ 1
To MARIE
From ADAM
Co./Dept. ORANGE COAST
Co. MONTGOMERY WATSON
Phone # (714) 832-0064
Phone # (310) 320-8926
Fax # (714) 832-0067
Fax # (310) 320-8901

– ADD THESE ANALYSES –
DUE BY Wed. 1/7/98 @ NOON
AWN

Total No. of Samples: 5

Method of Shipment: Orange Coast Lab. Courier.

Relinquished By: Adam W. Vonig Date/Time: 12/29/97 1500 hrs

Received By: Date/Time:

Relinquished By: Date/Time:

Received By: Date/Time:

Relinquished By: Date/Time:

Received For Lab By: Date/Time:

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

Sample Integrity: (check)
intact _____ on ice _____

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

TOTAL P.01

BOE-C6-0085553

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

Analysis Request and Chain of Custody Record

Lab Job No: _____
Page 1 of 1

REQUIRED TAT: SEE REMARKS

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: Montgomery Watson	PROJECT NAME: The Boeing Company
SEND REPORT TO: Fred Strauss	NUMBER: 1206035.01090010
ADDRESS: 250 N Madison Ave	LOCATION: C-6 facility
Pasadena, CA 91101	ADDRESS: 19503 S. Normandie Ave.
	Los Angeles, CA 90501
PHONE: (626) 568-6582 FAX: (626) 796-5941	SAMPLED BY: IV/CW/AN.

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	TRPH 418.1	Title 22 Metals	VOCs 8260	SVOCs 8270	PCBs 8080	Pesticides 8080	REMARKS/PRECAUTIONS
PH-LTU-2A GS-1	2	12/29/97	1320	SOIL	2"x6" s.s. sleeve	ICE	X	X	X				Due by Mon. 1/5/98 @ Noon
PH-LTU-2-GS-1	2	↓	1330	↓	↓	↓	X	X	X				↓
EQUIPMENT BLANK	6	↓	1350	WATER	3 amber 1 poly 2 VOAs	none HNO3 HCl	X	X	X				Standard TAT
RINSATE BLANK	6	↓	1400	↓	↓	↓	X	X	X				↓
TRIP BLANK	2	↓	–	↓	2 VOAs	HCl		X					↓
~~MEA-GS-1~~ B41-LTU-1-GS-1	1	12/29/97	1430	SOIL	2"x6" s.s. sleeve	ICE		X					← 24-HR TAT
BA-LTU-2-GS-1	2	↓	1435	↓	↓	↓	X	X	X				Due by Mon. 1/5/98 @ Noon
BA-LTU-1-GS-1	2	↓	1440	↓	↓	↓	X	X	X				↓

Total No. of Samples: 5

Method of Shipment: Orange Coast Lab. Courier

Relinquished By:	Date/Time:	Received By:	Date/Time:	Reporting Format: (check)
Adam W. Vonig	12/29/97 1500 hrs			NORMAL _____ S.D. HMMD _____
Relinquished By:	Date/Time:	Received By:	Date/Time:	RWQCB _____ OTHER _____
Relinquished By:	Date/Time:	Received For Lab By: Sayed Kashani	Date/Time: 14:55 12-29-97	Sample Integrity: (check) intact _____ on ice _____

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

BOE-C6-0085554