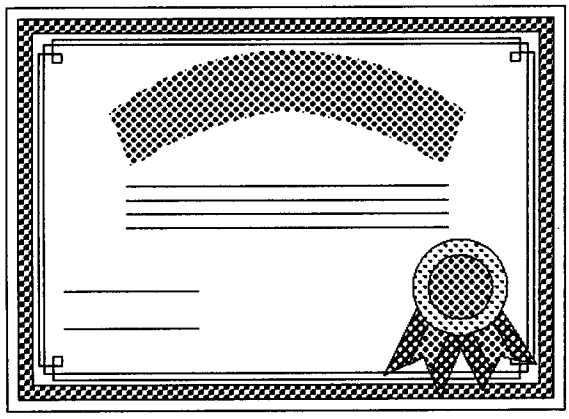
ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

UCLA



ORANGE COAST ANALYTICAL THANKS YOU FOR YOUR BUSINESS

THE FOLLOWING PAGES ARE THE ANALYSIS REPORT

ON THE SAMPLES YOU REQUESTED.

IF YOU HAVE ANY QUESTIONS REGARDING THIS REPORT

PLEASE FEEL FREE TO CONTACT US.

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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: Integrated Environmental Services

Project No.:

Project Name: UCLA - C6 Parcel B

Laboratory Reference: IES 10397

Analytical Method: 8260,8270, PCB'S & Pesticides(8080),Metals,418.1

Date Sampled: 08/24/98
Date Received: 08/24/98
Date Reported: 08/31/98

Sample Matrix: Soil

Chain of Custody Received: Yes

Laboratory Director's Signature: Mark Noorani

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

FAX TRANSMITTAL

DATE: 9-1-98

COMPANY: Integrated

ATTENTION: Jeff Loving

FROM: mark

PAGES: 6

COMMENTS:

									QC(S)								
								SAMP TYPE	S								
								RES CODE	PP01								
								SAMP ID	UCLA-S1								
								SAMP DATE	08/24/98								
								SAMP TIME	14:15								
								SAMP DEPTH									
								PRESERVED									
								ICED	Y								
								RECEIVED	08/24/98								
								REC TIME	16:20								
								BASIS	W								
METHOD ID	LIMIT1 SOIL	LIMIT1 WATER	LAB CAS ID	PF CODE	SURROG FLG	Units	LAB CHEM	98080169	LAB SAMP NO.	R1	T CONC	SL[a]	DL[a]	RECOVER	D RECOVER	RPD
							Tested	08/26/98	08/26/98							
418.1	8.0	0.5		T		ppm	Extractable Hydrocarbons	19	OCA 200	0.0	100	99	110	99	110	11
							Tested	08/31/98	08/31/98							
6010	5.0	0.5		T		ppm	Antimony	<	98080169	0.00	10.0	8.69	8.54	87	85	2
6010	1.0	0.1		T		ppm	Arsenic	3.8	98080169	0.08	10.0	8.88	8.73	88	87	2
6010	0.1	0.01		T		ppm	Barium	140	98080169	2.88	5.00	7.12	6.98	85	82	2
6010	0.1	0.01		T		ppm	Beryllium	<	98080169	0.00	1.00	0.97	0.95	97	95	2
6010	0.1	0.01		T		ppm	Cadmium	<	98080169	0.00	1.00	0.93	0.91	93	91	2
							Tested	08/25/98	08/25/98							
7196	0.5	0.01		T		ppm	Chromium (VI)	<	OCA200	0.0	5.0	4.6	4.2	92	84	9
							Tested	08/31/98	08/31/98							
6010	0.1	0.01		T		ppm	Chromium Total	23	98080169	0.46	1.00	1.33	1.31	87	85	2
6010	0.5	0.1		T		ppm	Cobalt	11	98080169	0.22	1.00	1.08	1.05	86	83	3
6010	0.1	0.01		T		ppm	Copper	24	98080169	0.47	1.00	1.46	1.42	99	95	3
6010	1.0	0.1		T		ppm	Lead	7.1	98080169	0.14	5.00	4.31	4.23	83	82	2
							Tested	08/27/98	08/27/98							
7471	0.01	0.002		T		ppm	Mercury	<	98080181	0.00	1.00	0.95	0.94	95	94	1
							Tested	08/31/98	08/31/98							
6010	0.5	0.1		T		ppm	Molybdenum	<	98080169	0.00	5.00	4.35	4.28	87	86	2
6010	0.5	0.1		T		ppm	Nickel	19	98080169	0.39	5.00	4.96	4.87	91	90	2
6010	1.0	0.1		T		ppm	Selenium	<	98080169	0.00	10.0	8.82	8.60	88	86	3
6010	0.1	0.1		T		ppm	Silver	<	98080169	0.00	5.00	4.82	4.73	96	95	2
6010	5.0	0.5		T		ppm	Thallium	<	98080169	0.00	10.0	8.06	8.00	81	80	1
6010	0.5	0.1		T		ppm	Vanadium	48	98080169	0.95	5.00	5.59	5.47	93	90	2
6010	0.1	0.01		T		ppm	Zinc	57	98080169	1.14	1.00	1.95	1.98	81	84	2
							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	08/25/98	08/25/98							
							Dilution Factor	1	1							
8260	2.5	0.5	71-43-2	T		ppb	Benzene	<	98080169	0.0	50	50	50	100	100	0
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	<	98080169	0.0	50	48	49	96	98	2
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	<	98080169	0.0	50	51	51	102	102	0
8260	2.5	0.5	156-60-5	T		ppb	Trans 1,2-Dichloroethene	<								
8260	2.5	0.5	78-87-5	T		ppb	1,2-Dichloropropane	<								
8260	2.5	0.5	10061-01-5	T		ppb	cis-1,3-Dichloropropene	<								
8260	2.5	0.5	10061-02-6	T		ppb	trans-1,3-Dichloropropene	<								
8260	2.5	0.5	100-41-4	T		ppb	Ethylbenzene	<								

8260	5.0	2.5	75-09-2	T		ppb	Methylene chloride	<								
8260	2.5	0.5	100-42-5	T		ppb	Styrene	<								
8260	2.5	0.5	79-34-5	T		ppb	1,1,2,2-Tetrachloroethane	<								
8260	2.5	0.5	127-18-4	T		ppb	Tetrachloroethene	<								
8260	2.5	0.5	108-88-3	T		ppb	Toluene	<	98080169	0.0	50	50	51	100	102	2
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	<	98080169	0.0	50	58	60	116	120	3
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	95								
					T	%	Toluene-d8	99								
					T	%	4-Bromofluorobenzene	97								
							Tested	08/26/98	08/26/98							
							Dilution Factor	1	1							
8270	100	5.0	83-32-9	T		ppb	Acenaphthene	<	OCA200	0.0	50	38	37	76	74	3
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	108-60-1	T		ppb	Bis(2-chloroisopropyl)ether	<									
8270	100	3.0	117-81-7	T		ppb	Bis(2-ethylhexyl)phthalate	<									
8270	100	5.0	101-55-3	T		ppb	4-Bromophenyl phenyl ether	<									
8270	100	5.0	85-68-7	T		ppb	Butyl benzyl phthalate	<									
8270	100	5.0	106-47-8	T		ppb	4-Chloroaniline	<									
8270	100	5.0	91-58-7	T		ppb	2-Chloronaphthalene	<									
8270	100	5.0	59-50-7	T		ppb	4-Chloro-3-methylphenol	<	OCA200	0.0	100	75	79	75	79	5	
8270	100	5.0	95-57-8	T		ppb	2-Chlorophenol	<	OCA200	0.0	100	76	79	76	79	4	
8270	100	5.0	7005-72-3	T		ppb	4-Chlorophenyl phenyl ether	<									
8270	100	5.0	218-01-9	T		ppb	Chrysene	<									
8270	100	25	53-70-3	T		ppb	Dibenz(a,h)anthracene	<									
8270	100	5.0	132-64-9	T		ppb	Dibenzofuran	<									
8270	250	5.0	84-74-2	T		ppb	Di-N-butyl phthalate	<									
8270	100	5.0	541-73-1	T		ppb	1,3-Dichlorobenzene	<									
8270	100	5.0	106-46-7	T		ppb	1,4-Dichlorobenzene	<	OCA200	0.0	50	46	47	92	94	2	
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	<	OCA200	0.0	50	41	47	82	94	14
8270	100	5.0	62-75-9	T		ppb	N-Nitrosodimethylamine	<								
8270	250	50	87-86-5	T		ppb	Pentachlorophenol	<	OCA200	0.0	100	73	80	73	80	9
8270	100	5.0	85-01-8	T		ppb	Phenanthrene	<								
8270	100	5.0	108-95-2	T		ppb	Phenol	<	OCA200	0.0	100	63	68	63	68	8
8270	100	5.0	129-00-0	T		ppb	Pyrene	<	OCA200	0.0	50	36	37	72	74	3
8270	100	5.0	120-82-1	T		ppb	1,2,4-Trichlorobenzene	<	OCA200	0.0	50	44	45	88	90	2
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	08/25/98	08/25/98							
							Dilution Factor	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	<	OCA/200	0.0	250	200	200	80	80	0
							Tested	08/26/98	08/26/98							
							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	72-54-8	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	<	OCA/200	0.0	50	26	28	52	56	7
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									

BOE-C6-0112127

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-C6-0112128

Integrated Environmental Services
ATTN: Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: UCLA - C6 Parcel B
Client Project #:

Sample Description: Soil,

Laboratory Reference #: IES 10397

Sampled: 08/24/98
Received: 08/24/98
Analyzed: 08/26/98
Reported: 08/31/98

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (EPA 418.1)

LABORATORY SAMPLE NUMBER	***CLIENT SAMPLE NUMBER***	***SAMPLE RESULTS mg/kg***
98080169	UCLA-S1	19
Detection Limit:		8.0

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

Orange Coast Analytical,Inc.

Integrated Environmental Services
ATTN: Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: UCLA - C6 Parcel B
Client Project #:

Sample Description: Soil, UCLA-S1
Laboratory Sample Number: 98080169
Laboratory Reference #: IES 10397

Sampled: 08/24/98
Received: 08/24/98
Analyzed: 08/25/98
Reported: 08/31/98

VOLATILE ORGANICS BY GC/MS (EPA 8260)

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

Orange Coast Analytical,Inc.

Sample Description: Soil, UCLA-S1
Laboratory Sample Number: 98080169
Laboratory Reference #: IES 10397

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

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.

Surrogate Recoveries	%
Dibromofluoromethane	95
Toluene-d8	99
4-Bromofluorobenzene	97

Integrated Environmental Services
ATTN: Ms. Joann Ornellas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: UCLA - C6 Parcel B
Client Project #:

Sample Description: Soil, UCLA-S1

Laboratory Sample Number: 98080169

Laboratory Reference #: IES 10397

Sampled: 08/24/98
Recevied: 08/24/98
Analyzed: 08/25,27,31/98
Reported: 08/31/98

CCR - METALS

Analyte	EPA Method	Detection Limit mg/kg	Analysis Results mg/kg
Antimony	6010	5.0	N.D.
Arsenic	6010	1.0	3.8
Barium	6010	0.1	140
Beryllium	6010	0.1	0.066
Cadmium	6010	0.1	N.D.
Chromium (VI)	7196	0.5	N.D.
Chromium Total	6010	0.1	23
Cobalt	6010	0.5	11
Copper	6010	0.1	24
Lead	6010	1.0	7.1
Mercury	7471	0.1	N.D.
Molybdenum	6010	0.5	N.D.
Nickel	6010	0.5	19
Selenium	6010	1.0	N.D.
Silver	6010	0.1	N.D.
Thallium	6010	5.0	N.D.
Vanadium	6010	0.5	48
Zinc	6010	0.1	57

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

Integrated Environmental Services
ATTN: Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: UCLA - C6 Parcel B
Client Project #:

Sampled: 08/24/98
Received: 08/24/98
Analyzed: 08/26/98
Reported: 08/31/98

Sample Description: Soil, UCLA-S1
Laboratory Sample Number: 98080169
Laboratory Reference #: IES 10397

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	108-60-1	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	218-01-9	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.

Sample Description: Soil, UCLA-S1
Laboratory Sample Number: 98080169
Laboratory Reference #: IES 10397

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

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.

Integrated Environmental Services
ATTN: Ms. Joann Ornellas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: UCLA - C6 Parcel B
Client Project #:

Sample Description: Soil, UCLA-S1

Laboratory Sample Number: 98080169

Laboratory Reference #: IES 10397

Sampled: 08/24/98
Recevied: 08/24/98
Analyzed: 08/25/98
Reported: 08/31/98

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.

Integrated Environmental Services
ATTN: Ms. Joann Ornelas
3990 Westerly Pl. Suite 210
Newport Beach, CA 92660

Client Project ID: UCLA - C6 Parcel B
Client Project #:

Sampled: 08/24/98
Received: 08/24/98
Analyzed: 08/26/98
Reported: 08/31/98

Sample Description: Soil, UCLA-S1
Laboratory Sample Number: 98080169
Laboratory Reference #: IES 10397

ORGANOCHLORINATED PESTICIDES (EPA 8080)

ANALYTE	***CAS NUMBER***	***DETECTION LIMIT µg/kg***	***SAMPLE RESULTS µg/kg***
Aldrin	309-00-2	1.0	N.D.
alpha-BHC	319-84-6	1.0	N.D.
beta-BHC	319-85-7	1.0	N.D.
gamma-BHC	319-86-8	2.0	N.D.
gamma-BHC (Lindane)	58-89-9	1.0	N.D.
Chlordane	57-74-9	10	N.D.
4,4'-DDD	72-54-8	2.0	N.D.
4,4'-DDE	72-55-9	5.0	N.D.
4,4'-DDT	50-29-3	1.0	N.D.
Dieldrin	60-57-1	2.0	N.D.
Endosulfan I	959-98-8	1.0	N.D.
Endosulfan II	33212-65-9	2.0	N.D.
Endosulfan sulfate	1031-07-8	10	N.D.
Endrin	72-20-8	2.0	N.D.
Endrin aldehyde	7421-93-4	2.0	N.D.
Heptachlor	76-44-8	1.0	N.D.
Heptachlor epoxide	1024-57-3	1.0	N.D.
Methoxychlor	72-43-5	30	N.D.
Toxaphene	8001-35-2	35	N.D.

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

QC DATA REPORT

Analysis : Organochlorine Pesticides (EPA 8080)

Date of Analysis : 08/26/98
Laboratory Sample No :OCA/200
Laboratory Reference No : IES 10397

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
4,4'-DDT	0.0	50	26	28	52	56	7

Definition of Terms :

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

QC DATA REPORT

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

Date of Analysis : 8/25/98
Laboratory Sample No : 98080169
Laboratory Reference No : IES 10397

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
Benzene	0.0	50	50	50	100	100	0
1,1-Dichloroethene	0.0	50	51	51	102	102	0
Trichloroethene	0.0	50	58	60	116	120	3
Toluene	0.0	50	50	51	100	102	2
Chlorobenzene	0.0	50	48	49	96	98	2

Definition of Terms :

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

QC DATA REPORT

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

Date of Analysis : 08/26/98
Laboratory Sample No : OCA200
Laboratory Reference No : IES 10397

Analyte	R1 (ng)	SP (ng)	MS (ng)	MSD (ng)	PR1 %	PR2 %	RPD %
1,4-Dichlorobenzene	0.0	50	46	47	92	94	2
n-Nitroso-di-n-propylamine	0.0	50	41	47	82	94	14
1,2,4-Trichlorobenzene	0.0	50	44	45	88	90	2
Acenaphthene	0.0	50	38	37	76	74	3
Pyrene	0.0	50	36	37	72	74	3
Pentachlorophenol	0.0	100	73	80	73	80	9
4-Chloro-3-Methylphenol	0.0	100	75	79	75	79	5
2-Chlorophenol	0.0	100	76	79	76	79	4
Phenol	0.0	100	63	68	63	68	8

Definition of Terms :

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

QC DATA REPORT

Analysis : PCB 'S (EPA 8080)

Date of Analysis : 08/25/98
Laboratory Sample No :OCA 200
Laboratory Reference No : IES 10397

Analyte	R1 (ppb)	SP (ppb)	MS (ppb)	MSD (ppb)	PR1 %	PR2 %	RPD %
PCB-1260	0.0	250	200	200	80	80	0

Definition of Terms :

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

QC DATA REPORT

Analysis : Metals

Date of Analysis : 08/25-28/98
Laboratory Sample No : 98080169, OCA200 for Cr(VI), 98080181 for Hg
Laboratory Reference No : IES 10397

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Antimony	0.00	10.0	8.69	8.54	87	85	2
Arsenic	0.08	10.0	8.88	8.73	88	87	2
Barium	2.88	5.00	7.12	6.98	85	82	2
Beryllium	0.00	1.00	0.97	0.95	97	95	2
Cadmium	0.00	1.00	0.93	0.91	93	91	2
Chromium (Total)	0.46	1.00	1.33	1.31	87	85	2
Chromium (VI)	0.00	5.00	4.6	4.2	92	84	9
Cobalt	0.22	1.00	1.08	1.05	86	83	3
Copper	0.47	1.00	1.46	1.42	99	95	3
Lead	0.14	5.00	4.31	4.23	83	82	2
Mercury	0.00	1.00	0.95	0.94	95	94	1
Molybdenum	0.00	5.00	4.35	4.28	87	86	2
Nickel	0.39	5.00	4.96	4.87	91	90	2
Selenium	0.00	10.0	8.82	8.64	88	86	2
Silver	0.00	5.00	4.82	4.73	96	95	2
Thallium	0.00	10.0	8.06	8.00	81	80	1
Vanadium	0.95	5.00	5.59	5.47	93	90	2
Zinc	1.14	1.00	1.95	1.98	81	84	2

Definition of Terms :

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

QC DATA REPORT

Analysis : Total Recoverable Petroleum Hydrocarbons (EPA 418.1)

Date of Analysis : 08/26/98
Laboratory Sample No : OCA 200
Laboratory Reference No : IES 10397

Analyte	R1 (ppm)	SP (ppm)	MS (ppm)	MSD (ppm)	PR1 %	PR2 %	RPD %
Hydrocarbons	0.0	100	99	110	99	110	11

Definition of Terms :

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

Orange Coast Analytical,Inc.

Analysis Request and Chain of Custody Record

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

Lab Job No: _____
Page 1 of 1

REQUIRED TAT: STANDARD

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Boeing c/o IESI	PROJECT NAME:	UCLA - Cle Parcel B
SEND REPORT TO:	Joann Orneles	NUMBER:	
ADDRESS:	3990 Westerly Pl. Newport Beach, CA	LOCATION:	
		ADDRESS:	
PHONE: (949)	852-9050 FAX: (949) 852-9011	SAMPLED BY:	

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES.	VOCs (8260)	SVOCs (8270)	TPH (418.1)	Pest./PCBs (8080)	Metals (6010/7196/7471)				REMARKS/PRECAUTIONS
UCLA S1	2	8/24/98	1415	soil	4-oz	—	X	X	X	X	X				

Total No. of Samples: 1

Method of Shipment:

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	8/24/98 4:20pm		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By: [signature]	Date/Time: 8-24-98 4:20

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

Sample Integrity: (check)
intact _____ on ice _____

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

BOE-C6-0112143