FINAL
PHASE II SUBSURFACE INVESTIGATION
DOUGLAS AIRCRAFT COMPANY
C-6 FACILITY, PARCEL A
TORRANCE, CALIFORNIA

FOR
McDONNELL DOUGLAS REALTY COMPANY
5 JUNE 1996

K/J 954019.01

VOLUME II OF III

Kennedy/Jenks Consultants

FINAL
PHASE II SUBSURFACE INVESTIGATION
DOUGLAS AIRCRAFT COMPANY
C-6 FACILITY, PARCEL A
TORRANCE, CALIFORNIA

FOR
McDONNELL DOUGLAS REALTY COMPANY
5 JUNE 1996

K/J 954019.01

VOLUME II OF III

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VOLUME III

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Appendix B

CHAIN-OF-CUSTODY RECORD

Client Kennedy / Jenks

Date 4-8-96

Page of

Project Name Douglas Aircraft

Client Reference # 9540 14.01

Project Address Torrance Ca

Turn Around Requested:
- ☐ Immediate Attention
- ☐ Rush 24-48 Hours
- ☐ Rush 48-96 Hours
- ☐ Normal
- ☐ Mobile Lab

Project Contact (please print)

Analysis Requested
All analyses and deliverables must be identified (see section 4.8 & 4.9 on reverse)

Lab Use Only
Lab Job # ____
C.O. # ____
C.O. # ____
C.O. # ____
C.O. # ____
Sample Condition Upon Receipt:
Chilled ☐ yes ☐ no
Sealed ☐ yes ☐ no

Sample ID	Sample Location	Date	Time	Physical State: Solid (S), Liquid (L), Vapor (V)	8010/8020 (VOC)	6010 (metals)	Hold					Number of Containers	Container/Comments	Lab Sample Number
7A - 5	Building 67	4-8-96		S	X	X								
7A - 10					X	X								
7A - 15								X						
7A - 20								X						
7A - 25								X						
7C - 5					X	X								
7C - 10					X	X								
7C - 15								X						
7C - 20								X						
7C - 25								X						
7D - 5					X	X								
7D - 10					X	X								
7D - 15								X						
7D - 20								X						
7D - 25								X						
7D - 35								X						

❶ Relinquished by (signature)*

Company

❷ Received by (signature)

Company

Date

Time

Total Number of Containers 17

❸ Relinquished by (signature)

Company Kennedy Jenks

❹ Received by Laboratory (signature) K. FRCITAG

Laboratory Name CES - A.

Date 4/8/96

Time 1345

Special Instructions

*See Terms And Conditions (section 2) on reverse **before** signing

TERRA TECH LABS

Corporate Office
1920 E. Deere Ave.
Santa Ana, CA 92705
Tel 714.757.7022 800.377.2322
Fax 714.757.7274

Arizona Office
3902 E. University Drive, Suite 4
Phoenix, Arizona 85034
Tel 602.437.9367 Fax 602.437.9362

BOE-C6-0077439

teg

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY,

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy Jenks

ADDRESS:

PHONE: FAX:

CLIENT PROJECT #: 9540 19.01 PROJECT MANAGER:

DATE: 4-5-96 PAGE 1 OF 1

TEG PROJECT #:

LOCATION: Douglas

COLLECTOR: Jay Roth DATE OF COLLECTION: 4-5-96

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	FIELD NOTES	Total Number Of Containers	Laboratory Note Number
5A - 35	35		Soil	1" brass				X														
5B - 35	35		"	"				X														

RELINQUISHED BY: (Signature) DATE/TIME 4-5-96 1634 RECEIVED BY: (Signature) DATE/TIME 4-5-96 1634

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

CHAIN OF CUSTODY SEALS Y/N/NA

SEALS INTACT? Y/N/NA

RECEIVED GOOD COND./COLD

NOTES:

LABORATORY NOTES:

BOE-C6-0077440

KE DY/J S C JLTA

SAMPLE CHAIN-OF-CUSTODY ANALYSIS REQUEST

- ☐ 200 New Stine Rd., #116, Bakersfield, CA 93309
- ☐ 630 South 336th St., Federal Way, WA 98003
- ☐ 17310 Red Hill Ave., #220, Irvine, CA 92714
- ☐ 2191 East Bayshore Rd., #200, Palo Alto, CA 94303
- ☐ 6190 Neil Road, #300, Reno, NV 89502
- ☐ 3336 Bradshaw Rd., #140, Sacramento, CA 95827
- ☐ 303 Second St., San Francisco, CA 94107
- ☐ 1000 Hill Rd., #200, Ventura, CA 93003

POSSIBLE HAZARDS:

Date 4/5/96 Report To Rick Pastore

Source of Samples DAC Company Kennedy/Jenks

Sampler Name Shane Scrimshire Address

Phone 714-261-1577

Project No. 954019.00 Phone 714-261-1577

Lab Destination Quanterra

Address

Phone

Carrier/Way Bill No.

(1) Lab ID No.	(1) Client ID No.	COLLECTION Date	COLLECTION Time	(2) Type	Depth	(3) Comp.	(4) Pres.	Turn-around	(5) ANALYSES REQUESTED: EPA 1010								Comment/Conditions (Container type, container number, etc.)
	10A-2	4/5/96		S	2'		ICE	Norm									2x6" Brass Sleeve
	10A-5	↓		↓	5'		↓	↓									
	10B-2				2'												
	10B-5	↓		↓	5'		↓	↓									

(1) Write only one sample number in each space.
(2) Specify type of sample(s): Water (W), Solid (S), or indicate type.
(3) Mark each sample which should be composited in Laboratory as follows: Place an "A" in box for each sample that should be composited into one sample; use sequential letter for additional groups.
(4) Preservation of sample.
(5) Write each analyses requested across top. Place an "X" in appropriate column to indicate type of analysis needed for each sample.

SAMPLE RELINQUISHED BY:

Print Name	Signature	Company	Date	Time
Shane Scrimshire	[signature]	K/J	4/5/96	
Jay Kyte	Jay Kyte	K/J	4/5/96	15:46

SAMPLE RECEIVED BY:

Print Name	Signature	Company	Date	Time
D. Holdersch	D.C. GOBKIRSCH	ATD	4/5/96	1546

\MISC\CUSTODY2.FRM

000065.06

BOE-C6-0077441

teg

NSG ... L
ENVIRONMENTAL
GEOCHEMISTRY,

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy Jenks
DATE: 4-5-96 PAGE 1 OF 1 OUTSIDE LAB #
ADDRESS:
TEG PROJECT #:
PHONE: FAX:
LOCATION: Douglas Aircraft
CLIENT PROJECT #: 954019.01 PROJECT MANAGER:
COLLECTOR: Jay Ruff
DATE OF COLLECTION: 4-5-96

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS	Hold pending results			FIELD NOTES	Total Number Of Containers	Laboratory Note Number
12C-25	25				X	X															X			Run 8010/8020	2	
12B-5	5									X															1	
12B-10	10									X															1	
12B-15	15									X															1	
12B-20	20									X															1	
12B-25	25									X															1	
12A-5										X															1	
12A-10										X															1	
12A-15										X															1	
12A-20																					X				1	
12A-25																					X				1	

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Jay Ruff	4-5-96 1310	[illegible]	4-5-96 1310
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	11
CHAIN OF CUSTODY SEALS Y/N/NA	NA
SEALS INTACT? Y/N/NA	NA
RECEIVED GOOD COND./COLD	GC
NOTES:	

LABORATORY NOTES:

BOE-C6-0077442

teg

...NSG...L ENVIRONMENTAL GEOCHEMISTRY,

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy Jenks DATE: 4-5-96 PAGE 1 OF 1 OUTSIDE LAB #

ADDRESS: TEG PROJECT #:

PHONE: FAX: LOCATION: Douglas

CLIENT PROJECT #: 454019.01 PROJECT MANAGER: COLLECTOR: Jerry Yeh DATE OF COLLECTION: 4-5-96

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS	Hold	FIELD NOTES	Total Number Of Containers	Laboratory Note Number
14 15 - 20																					X			
14 15 - 25																					X			
12C - 5					X	X		X																
12C - 10					X	X		X																
12C - 15																					X			
12C - 20																					X			

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Jerry Yeh	4-5-96 1212	Nina Lassi	4/5/96 12
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

LABORATORY NOTES:

BOE-C6-0077443

teg

NSG AL
ENVIRONMENTAL
GEOCHEMISTRY,

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy Jenks
ADDRESS: 2151 Michelson Dr., Ste. 100
PHONE: FAX:
CLIENT PROJECT #: 954019.01 PROJECT MANAGER:

DATE: 4-5-96 PAGE 1 OF 1 OUTSIDE LAB #
TEG PROJECT #:
LOCATION: Douglas Aircraft
COLLECTOR: Jay Kyle
DATE OF COLLECTION: 4-3,5-96

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS (Cd/Cr)	Hold	FIELD NOTES	Total Number Of Containers	Laboratory Note Number
~~311-15~~ JK																								
311-20	20																			X				
36-5	5												X						X					
36-15	15																			X				
36-20	20																			X				
36-25	25																			X				
36-10	10												X						X					
14 15-5	5												~~X~~ JK						X					
14 15-10	10												~~X~~ JK						X					
14 15-15	15																			X				
14 15-20	20																			X				
14 15-25	25																			X				

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Jay Kyle	4-5-96 1108	R Nakato	4/5/96 1108
R Nakato	4/5/96 1245	[illegible]	1245

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

LABORATORY NOTES:

BOE-C6-0077444

teg

ENVIRONMENTAL GEOCHEMISTRY,

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy Jenks DATE: 4-4-96 PAGE 1 OF 1 OUTSIDE LAB #

ADDRESS: TEG PROJECT #:

PHONE: FAX: LOCATION: Douglas Aircraft

CLIENT PROJECT #: 954019.01 PROJECT MANAGER: COLLECTOR: DATE OF COLLECTION:

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS	Hold			FIELD NOTES	Total Number Of Containers	Laboratory Note Number
36-20	20		Soil	1" brass																	X					
36-25	25																				X					
11A-5	5							X																		
11A-10	10							X																		
11A-15	15																				X					
11A-20	20																				X					
11A-25	25																				X					
11B-5	5							X																		
11B-10	10							X																		
11B-15	15																				X					
11B-20	20																				X					
11B-25	25																				X					
13A-5	5							X																		
13A-10	10							X																		
13A-15	15																				X					
13A-20	20																				X					
13A-25	25																				X					

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Jay [illegible]	4-4-96 1532	[illegible]	4-4-96 1532
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

CHAIN OF CUSTODY SEALS Y/N/NA

SEALS INTACT? Y/N/NA

RECEIVED GOOD COND./COLD

NOTES:

LABORATORY NOTES:

BOE-C6-0077445

teg TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy Jenks

ADDRESS:

PHONE: FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER:

DATE: 4-4-96 PAGE 1 OF OUTSIDE LAB #

TEG PROJECT #:

LOCATION: Douglas

COLLECTOR: Jay Kyte DATE OF COLLECTION: 4-3,4-96

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS	Hold	FIELD NOTES	Total Number Of Containers	Laboratory Note Number
3E1-5	5		Soil	1" brass	✓	✓			✓														
3E1-10	10				✓	✓			✓														
3E1-15	15																			✓			
3E1-20	20																			✓			
3E1-25	25																			✓			
3E2-5	5				✓	✓			✓														
3E2-10	10				✓	✓			✓														
3E2-15	15																			✓			
3E2-20	20																			✓			
3E2-25	25																			✓			
3H-5	5				✓	✓			✓														
3H-10	10				✓	✓			✓														
3H-15	15																			✓			
3H-20	20																			✓			
3H-25	25																			✓			
3G-5	5				✓	✓			✓														
3G-10	10				✓	✓			✓														
3G-15	15																			✓			

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Jay Kyte	4-4-96 0822	[illegible]	4-4/96 0822
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

CHAIN OF CUSTODY SEALS Y/N/NA

SEALS INTACT? Y/N/NA

RECEIVED GOOD COND./COLD

NOTES:

LABORATORY NOTES:

BOE-C6-0077446

teg TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY,

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy Jenks

ADDRESS: 2151 Michelson Drive, Ste. 100

PHONE: 714-261-1577 FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER:

DATE: 4- -96 PAGE 2 OF 2 OUTSIDE LAB #

TEG PROJECT #:

LOCATION: Douglas Aircraft

COLLECTOR: DATE OF COLLECTION:

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS (F010)	Hold			FIELD NOTES	Total Number Of Containers	Laboratory Note Number
3E2-5	5		Soil	1" brass									X						X							
3E2-10	10												X						X							
3E2-15	15																				X					
3E2-20	20																				X					
3E2-25	25																				X					
3E1-5	5												X						X							
3E1-10	10												X						X							
3E1-15	15																				X					
3E1-20	20																				X					
3E1-25	25																				X					
3H-5	5												X						X							
3H-10	10												X						X							
3H-15	15																				X					

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	4-3-96 1655	KAWud ATD	4/3/96 4:55
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

CHAIN OF CUSTODY SEALS Y/N/NA

SEALS INTACT? Y/N/NA

RECEIVED GOOD COND./COLD

NOTES:

LABORATORY NOTES:

BOE-C6-0077447

teg TRANSNATIONAL ENVIRONMENTAL GEOCHEMISTRY

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy Jenks
ADDRESS: 2151 Michelson Dr., Ste. 100
PHONE: 714-261-1577 FAX:
CLIENT PROJECT #: 95401901 PROJECT MANAGER:

DATE: 4-3-96 PAGE 1 OF 2 OUTSIDE LAB #
TEG PROJECT #:
LOCATION: Douglas Aircraft, Torrance
COLLECTOR: [signature] DATE OF COLLECTION: 4/23/96

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCB 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS (6010)	Hold			FIELD NOTES	Total Number Of Containers	Laboratory Note Number
3C1-10	10		Soil	1" brass									X						X							
3C1-15	15												X						X							
3C1-20	20																				X					
3C1-25	25																				X					
3C1-30	30																				X					
3C1-35	35																				X					
3C2-10	10												X						X							
3C2-15	15												X						X							
3C2-20	20																				X					
3C2-25	25																				X					
3C2-30	30																				X					
3C2-35	35																				X					
3D1-13	13												X						X							
3D1-18	18												X						X							
3D1-23	23																				X					
3D1-28	28																				X					
3D1-33	33																				X					

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	4-3-96 1655	K Ward ATD	4/5/96 4:55
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS
CHAIN OF CUSTODY SEALS Y/N/NA
SEALS INTACT? Y/N/NA
RECEIVED GOOD COND./COLD
NOTES:

LABORATORY NOTES:

BOE-C6-0077448

teg

TRANSNATIONAL ENVIRONMENTAL GEOCHEMISTRY

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy Jenks

ADDRESS:

PHONE: FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER:

DATE: 4-3-96 PAGE 1 OF 1 OUTSIDE LAB #

TEG PROJECT #:

LOCATION: Douglas

COLLECTOR: Jay Roth DATE OF COLLECTION: 4-3

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS	Hold			FIELD NOTES	Total Number Of Containers	Laboratory Note Number
3C2-10	10		soil	1" brass	✓	✓			✓																	
3C2-15	15				✓	✓			✓																	
3C2-20	20																				✓					
3C2-25	25																				✓					
3C2-30	30																				✓					
3C2-35	35																				✓					
3D1-13	13				✓	✓			✓																	
3D1-18	18				✓	✓			✓																	
3D1-23	23																				✓					
3D1-28	28																				✓					
3D1-33	33																				✓					

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Jay Roth	4-3-96 1322	[illegible]	4-3-96 1322
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

CHAIN OF CUSTODY SEALS Y/N/NA

SEALS INTACT? Y/N/NA

RECEIVED GOOD COND./COLD

NOTES:

LABORATORY NOTES:

BOE-C6-0077449

teg

TRANSNATIONAL ENVIRONMENTAL GEOCHEMISTRY

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy Jenks

ADDRESS:

PHONE: FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER:

DATE: 4-3-96 PAGE 1 OF 1 OUTSIDE LAB #

TEG PROJECT #:

LOCATION: Douglas Aircraft

COLLECTOR: Jay Kolb DATE OF COLLECTION: 4-2

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g&d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS	Hold				FIELD NOTES	Total Number Of Containers	Laboratory Note Number
3B2-18	4.2.96		Soil	1" brass	✓	✓			✓																		
3B2-23					✓	✓			✓																		
3B2-28																				✓							
3B2-33																				✓							
3C1-10					✓	✓			✓																		
3C1-15					✓	✓			✓																		
3C1-20																				✓							
3C1-25																				✓							
3C1-30																				✓							
3C1-35																				✓							

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Jay Kolb	4-3-96 0725	[illegible]	4-3-96 0725
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

CHAIN OF CUSTODY SEALS Y/N/NA

SEALS INTACT? Y/N/NA

RECEIVED GOOD COND./COLD

NOTES:

LABORATORY NOTES:

BOE-C6-0077450

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
Kennedy Jenks		4-2-96	49425
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 2**
2151 Michelson Dr. Suite 100			

City	State	Zip Code	Site Contact	Lab Contact
Irvine	CA			

Project Name	Carrier/Waybill Number

Contract/Purchase Order/Quote No.: 954019.01

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	6010 (metals)	335.3 (CN)	~~8260 (BTEX)~~	Hold
16-5	4-2-96				✓								X		
16-10	↓				✓								X		
16-15					✓										X
16-20					✓										X
16-25					✓										X
2B-5					✓							X			
2B-10					✓							X			
2B-15					✓										X
2B-20					✓						X				X
2B-25	↓				✓						X				X
2A-5	4-1-96				✓							X			
2A-10	4-1-96				✓							X			

Special Instructions/ Conditions of Receipt

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	4-2-96	1630	1. Received By: D. Gobliesch	4-2-96	1630
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077451

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
Kennedy Jenks		4-2-96	49424
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
2151 Michelson Drive, Suite 100			

City	State	Zip Code	Site Contact	Lab Contact

Project Name	Carrier/Waybill Number

Contract/Purchase Order/Quote No.: 954019.01

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): 6010 (metals)	8080 (PCBs)		Hold									Special Instructions/ Conditions of Receipt
2A-15	4-1-96				✓												X									
2A-20	↓				✓												X									
2A-25	↓				✓												X									
8-5	4-2-96				✓									X												
8-10	↓				✓									X												
8-15	↓				✓												X									
8-20	↓				✓												X									
8-25	↓				✓												X									
3B2-18	↓				✓									X	X											
3B2-23	↓				✓									X	X											
3B2-28	↓				✓												X									
3B2-33	↓				✓												X									

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	4-2-96	1630	1. Received By: [signature]	4-2-96	1630
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077452

teg

TRANSCONTINENTAL ENVIRONMENTAL GEOCHEMISTRY,

CHAIN-OF-CUSTODY RECORD

P.O. #: _____

CLIENT: Kennedy Jenks

ADDRESS:

PHONE: FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER:

DATE: 4-2-96 PAGE 1 OF 1 OUTSIDE LAB #

TEG PROJECT #: 9603

LOCATION: Douglass

COLLECTOR: Jay Roth DATE OF COLLECTION: 4-2

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS	Hold				FIELD NOTES	Total Number Of Containers	Laboratory Note Number
16-5	5	0910	Soil	1" brass	✓	✓			~~✓~~																	1	
16-10	10	0925			✓	✓			~~✓~~																	1	
16-15	15	0935																		✓						1	
16-20	20	0950																		✓						1	
16-25	25	1008																		✓						1	
8-5	5	1041			✓	✓			✓																	1	
8-10	10	1058			✓	✓			✓																	1	
8-15	15	1100																		✓						1	
8-20	20	1208																		✓						1	
8-25	25	1230																		✓						1	

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME

Jay Roth 4-2-96 1250 [signature] 4-2-96 1250

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	10
CHAIN OF CUSTODY SEALS Y/N/NA	NA
SEALS INTACT? Y/N/NA	Y
RECEIVED GOOD COND./COLD	Y
NOTES:	

LABORATORY NOTES:

BOE-C6-0077453

teg

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY,

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy Jenks

ADDRESS:

PHONE: FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER:

DATE: 4-2-96 PAGE 1 OF 1

TEG PROJECT #:

LOCATION: Douglass Aircraft

COLLECTOR: Jay Kuth DATE OF COLLECTION: 4-2

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	Hold					FIELD NOTES	Total Number Of Containers	Laboratory Note Number
2B-5	5	0740	soil	1" brass	✓	✓			✓																		
2B-10	10	0750	↓	↓	✓	✓			✓																		
2B-15	15	0808																	✓								
2B-20	20	0819																	✓								
2B-25	25	0842																	✓								

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Jay Kuth	4-2-96 0855	[illegible]	4-2-96 0855
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

CHAIN OF CUSTODY SEALS Y/N/NA

SEALS INTACT? Y/N/NA

RECEIVED GOOD COND./COLD

NOTES:

LABORATORY NOTES:

BOE-C6-0077454

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy / Jenks

ADDRESS:

PHONE: FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER:

DATE: 4-1-96 PAGE 1 OF 1

TEG PROJECT #: 96 0326 T3

LOCATION: Douglass

COLLECTOR: Gay [illegible] DATE OF COLLECTION:

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	Hold					FIELD NOTES	Total Number Of Containers	Laboratory Note Number
2A-5	5	1509		1" brass	✓	✓			✓																		
2A-10	10	1521		"	✓	✓			✓																		
2A-15	15	1535		"															✓								
2A-20	20	1550		"															✓								
2A-25	25	1610		"															✓								

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Gay [illegible]	4-1-96 1625	[illegible]	4-1-96 1625
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

CHAIN OF CUSTODY SEALS Y/N/NA

SEALS INTACT? Y/N/NA

RECEIVED GOOD COND./COLD

NOTES:

LABORATORY NOTES:

BOE-C6-0077455

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
Kennedy/Jenks		4-1-96	49427
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 2**

City	State	Zip Code	Site Contact	Lab Contact

Project Name: Douglass Aircraft

Carrier/Waybill Number:

Contract/Purchase Order/Quote No.: 954019.01

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	6010 (metals)	hold
17-5	4-1-96				✓							X	
17-10												X	
17-15													X
17-20													X
17-25													X
15-5												X	
15-10												X	
15-15													X
15-20													X
15-25													X
1-5												X	
1-10												X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

Relinquished By	Date	Time	Received By	Date	Time
1. [signature]	4-1-96	1530	1.		
2. [signature]			2.		
3.			3.		

Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077456

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
Kennedy / Jenks		4-1-96	49426
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	Page 2 of 2

City	State	Zip Code	Site Contact	Lab Contact

Project Name	Carrier/Waybill Number
Douglass Aircraft	

Contract/Purchase Order/Quote No.: 954019.01

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis: 6010 (metals)	hold										Special Instructions/ Conditions of Receipt
1-15	4-1-96				✓		✓								X										
1-20	↓				↓		↓								X										
1-25															X										
~~6-1~~ JK																									
6-5														X											
6-10														X											
6-15															X										
6-20															X										
6-25	↓				↓		↓								X										

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

Relinquished By	Date	Time	Received By	Date	Time
1. [signature]	4-1-96	1530	1.		
2. [signature]			2.		
3.			3.		

Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077457

teg

TRANSCONTINENTAL ENVIRONMENTAL GEOCHEMISTRY

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy / Jenks

ADDRESS:

PHONE: FAX:

CLIENT PROJECT #: 95401901 PROJECT MANAGER:

DATE: 4-1-96 PAGE 1 OF 1 OUTSIDE LAB #

TEG PROJECT #:

LOCATION: Douglass

COLLECTOR: Jay Kopf DATE OF COLLECTION: 4-1-96

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS Hold	FIELD NOTES	Total Number Of Containers	Laboratory Note Number
1-5	5	1238	Soil	1" brass	✓	✓			✓														
1-10	10	1246	↓	↓	✓	✓			✓														
1-15	15	1300																		✓			
1-20	20	1315																		✓			
1-25	25	1330																		✓			
6-5	5	1400			✓	✓			✓														
6-10	10	1408			✓	✓			✓														
6-15	15	1420																		✓			
6-20	20	1437																		✓			
6-25	25	1455																		✓			

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Jay Kopf	4-1-96 1505	[illegible]	4-1-96 1505
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

CHAIN OF CUSTODY SEALS Y/N/NA

SEALS INTACT? Y/N/NA

RECEIVED GOOD COND./COLD

NOTES:

LABORATORY NOTES:

BOE-C6-0077458

teg

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY,

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy/Jenks

ADDRESS:

PHONE: FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER:

DATE: 04-01-96 PAGE 1 OF 1

TEG PROJECT #: 960326T3

LOCATION: Douglass

COLLECTOR: Jay [illegible] DATE OF COLLECTION: 4-1-96

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	Hold						FIELD NOTES	Total Number Of Containers	Laboratory Note Number
15-05	5'	1012	Soil	1" brass	✓	✓			✓																			
15-10	10'	1025	↓	↓	✓	✓			✓																			
15-15	15'	1038																	✓									
15-20	20'	1052																	✓									
15-25	25'	1111																	✓									

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Jay [illegible]	4-1-96 1120	[illegible]	4-1-96 1120
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

LABORATORY NOTES:

BOE-C6-0077459

teg

TRANSNATIONAL ENVIRONMENTAL GEOCHEMISTRY,

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy/Jenks

ADDRESS:

PHONE: FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER:

DATE: 4-1-96 PAGE 1 OF 1 OUTSIDE LAB #

TEG PROJECT #:

LOCATION:

COLLECTOR: DATE OF COLLECTION:

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS	Hold					FIELD NOTES	Total Number Of Containers	Laboratory Note Number
17-5	5	0825	Soil	1" brass	✓	✓			✓																			
17-10	10	0850	↓	↓	✓	✓			✓																			
17-15	15	0906																		✓								
17-20	20	0925																		✓								
17-25	25	0940																		✓								

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	4-1-96 1017	[signature]	4/1/96 10:17
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

CHAIN OF CUSTODY SEALS Y/N/NA

SEALS INTACT? Y/N/NA

RECEIVED GOOD COND./COLD

NOTES:

LABORATORY NOTES:

BOE-C6-0077460

teg

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY

CHAIN-OF-CUSTODY RECORD

P.O. #: 954019.01

CLIENT: Kennedy/Jenks

ADDRESS:

PHONE: (714) 261 1577 FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER: Rus Purcell

DATE: 3/26/96 PAGE ____ OF ____ OUTSIDE LAB #

TEG PROJECT #:

LOCATION: DAC C-6

COLLECTOR: S. Bartling DATE OF COLLECTION: 3/26/96

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	~~PCBs~~/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS ~~CAL~~ GOLD		HOLD		FIELD NOTES	Total Number Of Containers	Laboratory Note Number
3M-1-10		1325	SOIL	Brass Tube									X						X							
3M-1-15		1335											X						X							
3M-1-20		1340																					X			
3M-1-25		1345																					X			
~~3J-1-10~~						X							X													
~~3J-1-15~~						X							X													
~~3J-1-20~~						X															X		X			
~~3J-1-25~~																					X		X			
3K-2-10		1435				X							X						X							
3K-2-15		1445				X							X						X							
3K-2-20		1450																			X		X			
3K-2-25		1455																			X		X			

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[illegible]	3/26/96 1530	Xavier Armendariz	3-26-96
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

LABORATORY NOTES:

BOE-C6-0077461

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client: Kennedy / Jenks	Project Manager: Russ Purcell	Date: 3-27-96	Chain Of Custody Number: 55408
Address: 2151 Michelson, #100	Telephone Number (Area Code)/Fax Number: 714/261-1577 FAX 714/261-2134	Lab Number:	Page 2 of 2
City: Irvine; State: CA; Zip Code:	Site Contact: Ken Knight	Lab Contact:	
Project Name: DAC C6 Phase II	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 6010	8080	Special Instructions/ Conditions of Receipt
4-15.0'	3-27-96	915			X	X								HOLD
4-20.0'	↓	930			↓	↓								HOLD
4-25.0'	↓	945			↓	↓								HOLD

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify): FAX Acknowledgement Report ASAP

1. Relinquished By: Ken Knight	Date: 3-27-96	Time: 1115	1. Received By: [signature]	Date: 3/27/96	Time: 1200
2. Relinquished By: [signature]	Date: 3/27/96	Time: 4:30P	2. Received By: [signature] K. FREITAG	Date: 3/27/96	Time: 1630
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077462

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client: Kennedy/Jenks Consult.	Project Manager: Russ Purcell	Date: 3-27-96	Chain Of Custody Number: 55406
Address: 2151 Michelson, #100	Telephone Number (Area Code)/Fax Number: 714/261-1577 / FAX 714/261-2134	Lab Number	Page 1 of 2
City: Irvine; State: CA; Zip Code	Site Contact: Ken Knight	Lab Contact	
Project Name: DAC C6 Phase II	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	6010	8080	Special Instructions/ Conditions of Receipt
3A-1-5.0'	3-26-96	330			X	X						X	X	
3A-1-10.0'		340										X	X	
3A-2-5.0'		445										X	X	
3A-2-10.5'		455										X	X	
4-5.0'	3-27-96	845										X	X	
4-10.0'	3-27-96	900										X	X	
3A-1-15.0	3-26-96	350												HOLD (here down)
3A-1-20.0		405												
3A-1-25.0		415												
3A-2-15.0'		525												
3A-2-20.0'		520												
3A-2-25.0'		540												

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify): FAX Acknowledgement Report ASAP

1. Relinquished By: Ken Knight	Date: 3-27-96	Time: 1115	1. Received By: [signature]	Date: 3/27/96	Time: 1200
2. Relinquished By: [signature]	Date: 3/27/96	Time: 430 PM	2. Received By: [signature] K. FREITAG	Date: 3/27/96	Time: 1630
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077463

teg TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY,

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy/Jenks

ADDRESS:

PHONE: (714) 261 1577 FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER: Rus Purcell

DATE: 3/26/96 PAGE ___ OF ___ OUTSIDE LAB #

TEG PROJECT #:

LOCATION: DAC C-6 Pit 2

COLLECTOR: S Bartling DATE OF COLLECTION: 3/26/96

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	~~BEST~~/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS-CCR 6010			HOLD	FIELD NOTES	Total Number Of Containers	Laboratory Note Number
35-1-10		1545	soil	Brass Tube									X						X							
35-1-15		1550											X						X							
35-1-20		1600																					X			
35-1-25		1605																					X			
35-1-EB		1547	Water	40ml VOA	X	X																				

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	3/26/96 1838	[signature]	3/26/96 1838
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]		[signature] x FIRENAG	3/27/96 1630

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

LABORATORY NOTES:

BOE-C6-0077464

Chain of Custody Record

QUA-4124-1

Quanterra Environmental Services

Client	Project Manager: Russ Purcell	Date: 3/25/96	Chain Of Custody Number: 49649
Address	Telephone Number (Area Code)/Fax Number: (714) 761 1577	Lab Number	Page ____ of ____
City / State / Zip Code	Site Contact / Lab Contact		
Project Name: DAC C-6 Ph 2	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 954019.01			

Analysis (Attach list if more space is needed): 8080, 6010 (Cr), 6010 (Ni)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Cool	8080	6010 (Cr)	6010 (Ni)	Special Instructions/ Conditions of Receipt
3N-2-10	3/25/96	1600			X							X	X	X		
3N-2-15		1610											X	X		
3N-2-20		1615													X	
3N-2-25		1620													X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	3/25/96	1050	1. Received By: [signature]	3/25/96	1050
2. Relinquished By: [signature]	3/27/96	4:30 P	2. Received By: [signature] K. FREITAG	3/27/96	1630
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077465

Fed Ex # _____

Cooler # _____

MONTGOMERY LABORATORIES

CHAIN OF CUSTODY RECORD

DESTINATION: ~~MONTGOMERY LABORATORIES~~ ☐

OTHER: TEG Mobil Lab ☒

PROJECT NAME: DAC C-6 Phase II

PROJECT JOB #: 954019.01

SAMPLER(S): PRINTED NAME AND SIGNATURE: Ken Knight Ken Knight

ANALYSES REQUIRED

TIME	DATE	LOCATION	IDENTIFIER	QA/QC	GRAB	COMP	NUMBER/SIZE OF CONTAINERS	8010/8020										REMARKS
830	3-26		3F-1-5.5'		X		(1) 1" brass	X										
840			3F-1-10.5'					X										
940			3F-2-5.0'					X										
950			3F-2-10.5'					X										
1110			3F-3-5.5'					X										
1120			3F-3-10.5'					X										
850			3F-1-15.5															HOLD
900			3F-1-20.5															
920			3F-1-25.5															
1000			3F-2-15.5'															
1015			3F-2-20.5'															
1030			3F-2-25.5'															
1130			3F-3-15.5'															

Ken Knight 3/26/96

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Ken Knight	Ken Knight	Kennedy/Jenks - geologist	3/26/96	1215
RECEIVED BY:	[illegible]	Patrick Loo	TEG	3/26/96	12:15
RELINQUISHED BY:					
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY (LAB):					

C-O-C No.

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PAGE ____ OF ____

BOE-C6-0077466

Fed Ex # _____

Cooler # _____

DESTINATION: ~~MONTGOMERY LABORATORIES~~ ☐

OTHER: TEG Mobil Lab ☒

MONTGOMERY LABORATORIES

CHAIN OF CUSTODY RECORD

PROJECT NAME: DAC C6 Phase II

PROJECT JOB #: 95t019.01

SAMPLER(S): PRINTED NAME AND SIGNATURE: Ken Knight

TIME	DATE	LOCATION	IDENTIFIER	QA/QC	GRAB	COMP	NUMBER/SIZE OF CONTAINERS	8010/8020										REMARKS
140	3-26		3D-2 - 5.5'		X		(1) 1" brass	X										
155			3D-2 - 10.5'					X										
330			3A-1 - 5.5'					X										
340			3A-1 - 10.5'					X										
445			3A-2 - 5.5'					X										
455			3A-2 - 11.0'					X										
845	3-27		4 - 5.5'					X										
900	3-27		4 - 10.5'					X										

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Ken Knight	KEN KNIGHT	Kennedy/Jenks - geologist	3-27	1050
RECEIVED BY:	Patrick Lao	Patrick Lao	TEG	3-27	1050
RELINQUISHED BY:					
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY (LAB):					

C-O-C No.

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PAGE 1 OF 1

BOE-C6-0077467

Fed Ex # _____

Cooler # _____

MONTGOMERY LABORATORIES

CHAIN OF CUSTODY RECORD

DESTINATION: ~~MONTGOMERY LABORATORIES~~ ☐

~~OTHER:~~ TEG Mobil Lab ☒

PROJECT NAME: DAC C6 Phase II

PROJECT JOB #: 954019.01

SAMPLER(S): PRINTED NAME AND SIGNATURE: Ken Knight

ANALYSES REQUIRED

TIME	DATE	LOCATION	IDENTIFIER	QA/QC	GRAB	COMP	NUMBER/SIZE OF CONTAINERS	418.1										REMARKS
330	3-26		3A-1-6.0'		X		(1) 1" brass	X										
340			3A-1-11.0'					X										
445			3A-2-6.0'					X										
455			3A-2-11.5'					X										
845	3-27		4-6.0'					X										
900	3-27		4-11.0'					X										

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Ken Knight	Ken Knight	Kennedy / Jenks - geologist	3-27	1040
RECEIVED BY:	Jim	JIM LIGGITT	TEG	3-27-90	1040
RELINQUISHED BY:					
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY (LAB):					

C-O-C No.

ORIGINAL COPY: SEND WITH SAMPLE YELLOW COPY: RETAINED BY SAMPLER PINK: OFFICE COPY

BOE-C6-0077468

IEG Mobil Lab

ZymaX environmental laboratory

chain of custody

71 zaca lane, suite 110 - san luis obispo, ca 93401 - fax 805/544 8226 - tel 805/544 4696

Project Manager: Rus Purcell	Phone: 714/261-1577	Fax:	
Company: Kennedy/Jenks	Project Number: 954019.01		
Address: 2151 Michelson, #100 Irvine, CA	Project Name: DAC Phase II		
	Sampler: Ken Knight		

Analysis Requested: 418.1

For ZymaX Use Only	Sample Description	Date Sampled	Time Sampled	Matrix	Preserve	418.1								Remarks
	3F-1-6.0'	3-26-96	830	Soil	None	X								
	3F-1-11.0'		840			X								
	3F-2-5.5'		940			X								
	3F-2-11.0'		950			X								
	3F-3-6.0'		1110			X								
	3F-3-11.0'		1120			X								
	3D-2-6.0'		40			X								
	3D-2-11.0'		55			X								

Special Billing/Comments:

Relinquished by:
Signature: Ken Knight
Print: Ken Knight
Company: Kennedy/Jenks
Date: 3-26-96 Time: 1230

Received by:
Signature: [illegible]
Print: [illegible]
Company: THG
Date: 3-26-96 Time: 1233

Relinquished by:
Signature
Print
Company
Date Time

Received for ZymaX by:
Signature
Print
Company
Date Time

Sample Integrity upon receipt:
- Samples received intact
- Samples received cold
- Custody seals
- Correct container types

Page ___ of ___

BOE-C6-0077469

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
	Rus Purcell	3/25/96	49643
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page ____ of ____**
	(714) 2611577		

City	State	Zip Code	Site Contact	Lab Contact

Project Name	Carrier/Waybill Number
DAC C-6 Phase II	

Contract/Purchase Order/Quote No.: 9540P1.01

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Col	418.1	HOLD	Special Instructions/ Conditions of Receipt
3K-1-10	3/25/96	1115			X							X	X		
3K-1-15		1130											X		
3K-1-20		1135												X	
3K-1-25		1145												X	
3J-2-10		1230			X								X		
3J-2-15		1240											X		
3J-2-20		1250												X	
3J-2-25		1255												X	
3J-1-10					X							X	X		
3J-1-15													X		
3J-1-20														X	
3J-1-25														X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☑ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By	3/25/96	1650	1. Received By	3/25/96	455
2. Relinquished By	3/26/96	8:40	2. Received By	3/26/96	0928
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077470

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client: Kennedy/Jenks	Project Manager: RUS PURCELL	Date: 3/25/96	Chain Of Custody Number: 49650
Address:	Telephone Number (Area Code)/Fax Number: (714) 2611577	Lab Number:	Page ____ of ____
City: / State: / Zip Code:	Site Contact:	Lab Contact:	
Project Name: DAC C-6 PH 2	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 9540A.01			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Cool	Analysis: 418.1	HOLD
3N-1-10	3/25/96	1450			X								X	X	
3N-1-15		1455												X	
3N-1-20		1500													X
3N-1-25		1505													X

Special Instructions/ Conditions of Receipt

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	3/25/96	1650	1. Received By: [signature]	3/25/96	4:50
2. Relinquished By: RAPurcell	3:40	3/26/96	2. Received By: [signature]	3-26-96	0851
3. Relinquished By:			3. Received By:		

Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077471

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
Kennedy/Jenks	Rus Purcell	3/25/96	49648
Address	Telephone Number (Area Code)/Fax Number: (714) 261 1577	Lab Number	Page ____ of ____

City	State	Zip Code	Site Contact	Lab Contact

Project Name: 95 DAC C-6 Ph 2

Carrier/Waybill Number:

Contract/Purchase Order/Quote No.: 9540A.01

Analysis (Attach list if more space is needed): 418.1 HOLD

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Cool	418.1	HOLD	Special Instructions/ Conditions of Receipt
3N-2-10	3/25/96	1600			X								X	X		
3N-2-15		1610												X		
3N-2-20		1615													X	
3N-2-25		1620													X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By	3/25/96	1650	1. Received By	3/25/96	4:55
2. Relinquished By	8:40	3/26/96	2. Received By	3-26-96	0852
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077472

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
	Bus Purcell	3/25/96	49647
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page ____ of ____**
	(714) 2611577		

City	State	Zip Code	Site Contact	Lab Contact

Project Name	Carrier/Waybill Number
DAC C-6 Phase 2	

Contract/Purchase Order/Quote No.: 954014.01

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Cool	8010/8020	HOLD	Special Instructions/ Conditions of Receipt
3N-2-10	3/25/96	1600			X								X	X		
3N-2-15		1610												X		
3N-2-20		1615													X	
3N-2-25		1620													X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	3/25/96	1650	1. Received By: [signature]	3/25/96	1650
2. Relinquished By: [signature]	3/26/96	9:30	2. Received By: [signature]	3/26/96	9:30
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077473

teg

...ANSL...AL ENVIRONMENTAL GEOCHEMISTRY,

CHAIN-OF-CUSTODY RECORD

P.O. #: 954019.01

CLIENT: Kennedy / Jenks

ADDRESS:

PHONE: (714) 2611577 FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER: Rus Purcell

DATE: 3/26/96 PAGE ____ OF ____ OUTSIDE LAB # ____

TEG PROJECT # :

LOCATION: DAC - C-6

COLLECTOR: S. Bartling DATE OF COLLECTION: 3/26/96

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS	HOLD	FIELD NOTES	Total Number Of Containers	Laboratory Note Number
3M-1-10		1325	Soil	Brass Tube	X	X																		
3M-1-15		1335			X	X																		
3M-1-20		1340																		X				
3M-1-25		1345																		X				
3J-1-10		1545			X	X																		
3J-1-15		1550			X	X																		
3J-1-20		1600																		X				
3J-1-25		1605																		X				
3K-2-10		1435			X	X																		
3K-2-15		1445			X	X																		
3K-2-20		1450																		X				
3K-2-25		1455																		X				

RELINQUISHED BY: (Signature) S. Bart DATE/TIME 3/26/96 1435 RECEIVED BY: (Signature) [signature] DATE/TIME 3/26/96 143

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

CHAIN OF CUSTODY SEALS Y/N/NA

SEALS INTACT? Y/N/NA

RECEIVED GOOD COND./COLD

NOTES:

LABORATORY NOTES:

BOE-C6-0077474

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
Kennedy/Jenks	Bus Purcell	3/25/96	49640
Address	Telephone Number (Area Code)/Fax Number: (714) 261 1577 261 2134	Lab Number	Page ____ of ____
City / State / Zip Code	Site Contact / Lab Contact		
Project Name: DAC C-6 Phase II	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 954019.01			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Cool	418.1	HPLD	Special Instructions/ Conditions of Receipt
30-2-10	3/26/96	0845			X		X						X	X		
30-2-15		0853												X		
30-2-20		0903													X	
30-2-25		0910													X	
30-1-10	3/26/96	0940												X		
30-1-15		0950												X		
30-1-20		0957													X	
30-1-25		1001													X	

Analysis (Attach list if more space is needed)

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	3/26/96	1015	1. Received By: [signature]	3-26-96	1015
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077475

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
Kennedy/Jenks	Rus Purcell	3/25/96	49639

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page ____ of ____
	(714) 261 1577 261 2134		

City	State	Zip Code	Site Contact	Lab Contact

Project Name	Carrier/Waybill Number
DAC C-6 Phase II	

Contract/Purchase Order/Quote No.: 954019.01

Analysis (Attach list if more space is needed): 8010/8020; HOLD

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Cool	8010/8020	HOLD
30-2-10	3/26/96	0845			X	X						X	X	
30-2-15		0855											X	
30-2-20		0905												X
30-2-25		0910												X
30-1-10													X	
30-1-15													X	
30-1-20														X
30-1-25														X

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By	3/26/96	0932	1. Received By	3/26/96	0932
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077476

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
Kennedy/Jenks	Rus Purcell	3/26/96	49651
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page ____ of ____
	(714) 761 1577		

City	State	Zip Code	Site Contact	Lab Contact

Project Name	Carrier/Waybill Number
DAC C-6 Ph 2	

Contract/Purchase Order/Quote No.: 954019.01

Analysis (Attach list if more space is needed): 8010/8020 HOLD

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Gal	8010/8020	HOLD
30-1-10	3/26/96	0940			X									X	
30-1-15		0950												X	
30-1-20		0957													X
30-1-25		1001													X

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	3/26/96	1020	1. Received By: [signature]	3/26/96	10:20
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077477

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client: Kennedy / Jenks	Project Manager: Bus Purcell	Date: 3/25/96	Chain Of Custody Number: 55403
Address	Telephone Number (Area Code)/Fax Number: (714) 261 1577	Lab Number	Page ____ of ____
City / State / Zip Code	Site Contact / Lab Contact		
Project Name: DNC C-6 Phase 2	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 9540A9.01			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Lab	8010/8020	HOLD											Special Instructions/ Conditions of Receipt
3M-2-10	3/26/96	1045			X							X	X												
3M-2-15		1100											X												
3M-2-20		1105												X											
3M-2-25		1110												X											
3M-3-10	3/26/96	1150			X								X												
3M-3-15		1200											X												
3M-3-20		1205												X											
3M-3-25		1210												X											
													X	X											
													X	X											
															X										
		1110													X										

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By	3/26/96	1230	1. Received By	3/26/96	12:30
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077478

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client: Kennedy/Jenks	Project Manager: Bus Purcell	Date: 3/25/96	Chain Of Custody Number: 49652
Address:	Telephone Number (Area Code)/Fax Number: (714) 261 1577	Lab Number:	Page ____ of ____
City: / State: / Zip Code:	Site Contact: / Lab Contact:		
Project Name: DAC C-6 Phase 2	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 954019.01			

Analysis (Attach list if more space is needed): 418.1; HOLD

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Cool	418.1	HOLD
3M-2-10	3/26/96	1045			X							X	X	
3M-2-15		1100											X	
3M-2-20		1105												X
3M-2-25		1110												X
3M-3-10	3/26/96	1150			X							X	X	
3M-3-15		1200											X	
3M-3-20		1205												X
3M-3-25		1210												X

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	3/26/96	1235	1. Received By: [signature]	3-26-96	1236
2. Relinquished By:			2. Received By:		
3. Relinquished By:			3. Received By:		

Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077479

teg ANALYTICAL ENVIRONMENTAL GEOCHEMISTRY

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy/Jenks

ADDRESS:

PHONE: (714) 261 1577 FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER: Rus Purcell

DATE: 3/26/96 PAGE ___ OF ___ OUTSIDE LAB # ___

TEG PROJECT #:

LOCATION: DAC C-6 1

COLLECTOR: S. Bartling DATE OF COLLECTION: 3/26/96

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g.& d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS		HOLD	FIELD NOTES	Total Number Of Containers	Laboratory Note Number
3M-1-10		1325	Soil	Brass Tube				X																1	
3M-1-15		1335						X																1	
3M-1-20		1340																				X		1	
3M-1-25		1345																				X		1	
3K-2-10		1435						X																1	
3K-2-15		1445						X																1	
3K-2-20		1450																				X		1	
3K-2-25		1455																				X		1	
3J-1-10		1545						X																1	
3J-1-15		1550						X																1	
3J-1-20		1600																				X		1	
3J-1-25		1605																				X		1	

RELINQUISHED BY: (Signature) Saul Bart DATE/TIME 3/26/96 1610 RECEIVED BY: (Signature) DATE/TIME 3-26-96 1614

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	2
CHAIN OF CUSTODY SEALS Y/N/NA	NA
SEALS INTACT? Y/N/NA	Y
RECEIVED GOOD COND./COLD	Y
NOTES:	

LABORATORY NOTES:

BOE-C6-0077480

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client: Kennedy/Jenks	Project Manager: Rus Purcell	Date: 3-25-95	Chain Of Custody Number: 49657
Address: 2151 Michelson, #100	Telephone Number (Area Code)/Fax Number: 714/261-1577	Lab Number:	Page 1 of 2
City: Irvine, State: CA, Zip Code: 92715	Site Contact: Rich Pastore	Lab Contact:	
Project Name: DAC C-6 Phase II	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Analysis (Attach list if more space is needed): 418.1

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	418.1	Special Instructions/ Conditions of Receipt
3I-1-6.0	3-25-96	1110			X	X						X	
3I-1-11.0		1120										X	
3I-1-15.5		1135											HOLD
3I-1-21.0		1200											HOLD
3I-1-26.0		1215											HOLD
3I-2-6.0		935			X	X						X	
3I-2-10.0		950										X	
3I-2-16.0		1005											HOLD
3I-2-21.0		1015											HOLD
3I-2-26.0		1025											HOLD
3L-1-6.0		130										X	
3L-1-11.0		140										X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: Ken Knight	3-25-96	4:50	1. Received By: [signature]	3/25/96	4:50P
2. Relinquished By: RA Pastore	3/26/96	8:40A	2. Received By: [signature]	3/26/96	0859
3. Relinquished By:			3. Received By:		

Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077481

CHAIN OF CUSTODY

BC LABORATORIES, INC.
4100 Atlas Court • Bakersfield, CA 93308
(805) 327-4911 • FAX (805) 327-1918

Report To:

Name: Kennedy / Jenks
Address: 2151 Michelson, #100
City: Irvine
State: CA Zip: 92715
Attn: Rus Purcel
Phone:

Project: DAC C-6 Phase II
Project #: 954019.01
Sampler Name: K. Knight
Other:

Analysis Requested: 418.1

Lab#	Sample Description	Date & Time Sampled	Matrix (S) Soil (W) Water (SL) Sludge (Other)	418.1	Samples rec. cold (y/n)	Custody Seals (y/n)	Results Needed by: Date & Time	Number and Container Type
	3L-1-16.0	3-25-96 150	S				HOLD	1
	3L-1-21.0	200					HOLD	
	3L-1-26.0	215					HOLD	
	3L-2-6.0			X				
	3L-2-11.0			X				
	3L-2-16.0						HOLD	
	3L-2-21.0						HOLD	
	3L-2-26.0						HOLD	

Comment: Provide Acknowledgement Report ASAP

Billing Info:
Name: SAME AS ABOVE
Address
City State
Attention:
Time:
Miles:
P.O.#

Sample Disposal
[X] Disposal
[ ] Return to client

Relinquished by: (Signature)	Received by: (Signature)	Date: Time:
Ken Knight 4:50	RAPorter	3/25/96 4:50
RAPorter	[illegible]	3/26/96 0901

BOE-C6-0077482

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
Kennedy / Jenks	Rus Purcel	3-25-96	49653
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 4**
2151 Michelson, #100	714/261-1577		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Irvine / CA / 92715	Rick Pastore		
Project Name	**Carrier/Waybill Number**		
DAC C-6 Phase II			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 6010	8080	8010	8020	Special Instructions/ Conditions of Receipt
3I-1-5.0'	3-25-96	1110			X							X	X	[redacted]		
3I-1-5.5'	↓	1110			↓							[redacted]		X	X	
3I-1-10.5'		1120										X	X	[redacted]		
3I-1-11.5'		1120										[redacted]		X	X	
3I-1-16.0'		1135										X	X	X	X	HOLD
3I-1-16.5'		1135										X	X	X	X	HOLD
3I-1-20.0'		1200										X	X	X	X	HOLD
3I-1-20.5'		1200										X	X	X	X	HOLD
3I-1-25.0		1215										X	X	X	X	HOLD
3I-1-25.5	↓	1215			↓							X	X	X	X	HOLD

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify): Provide Acknowledgement Report ASAP

Relinquished By	Date	Time	Received By	Date	Time
1. Ken Knight	3-25-96	420	1. [signature] B. Leith		
2.			2.		
3.			3.		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077483

Chain of Custody Record

QUA-4124-1

Quanterra Environmental Services

Client: KENNEDY/JENKS	Project Manager: RUS PURCELL	Date: 3/25/96	Chain Of Custody Number: 49654
Address: 2151 MICHELSON #100	Telephone Number (Area Code)/Fax Number: 714-261-1577	Lab Number	Page 2 of 4
City: IRVINE; State: CA; Zip Code: 92715	Site Contact	Lab Contact	
Project Name: DAC PHASE II	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 954019.01			

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	6010	8080	8010	8020	Special Instructions/ Conditions of Receipt
3I-2-5.0	3-25-96	935			X							X	X			
3I-2-5.5		935												X	X	
3I-2-10.5		950										X	X			
3I-2-[redacted] 11.0		950												X	X	
3I-2-15.0		1005										X	X			HOLD
3I-2-15.5		1005												X	X	
3I-2-20.0		1015										X	X			
3I-2-20.5		1015												X	X	
3I-2-25.0		1025										X	X			
3I-2-25.5		1025												X	X	HOLD

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Ken Knecht	3-25-96	4:20	1. Received By: B. LEITH		
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077484

Chain of Custody Record

QUA-4124-1

Quanterra Environmental Services

Client: KENNEDY/JENKS	Project Manager: RUS PURCELL	Date: 3/25/96	Chain Of Custody Number: 49656
Address: 2151 MICHELSON #100	Telephone Number (Area Code)/Fax Number: 714-261-1577	Lab Number:	Page 3 of 4
City: IRVINE / State: CA / Zip Code: 92715	Site Contact:	Lab Contact:	
Project Name: DAC PHASE II	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Analysis (Attach list if more space is needed): 6010, 8080, 8010, 8020

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		6010	8080	8010	8020	Special Instructions/ Conditions of Receipt
3L-1-5.0	3-25-96	1300			X								X	X			
3L-1-5.5		1300													X	X	
3L-1-10.0		1400											X	X			
3L-1-10.5		1400													X	X	
3L-1-15.0		1500											X	X			HOLD
3L-1-15.5		1500													X	X	
3L-1-20.0		2000											X	X			
3L-1-20.5		2000													X	X	
3L-1-25.0		2015											X	X			
3L-1-25.5		2015													X	X	HOLD

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify):

1. Relinquished By: Von Kunzt	Date: 3-25-96	Time: 4:20	1. Received By: B. LEITH	Date:	Time:
2. Relinquished By:	Date:	Time:	2. Received By:	Date:	Time:
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077485

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
KENNEDY/JENKS	RUS PURCELL	3/25/96	49655

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page
2151 MICHELSON #100	714-261-1577		4 of 4

City	State	Zip Code	Site Contact	Lab Contact
IRVINE	CA	92715		

Project Name	Carrier/Waybill Number
DAC PHASE II	

Contract/Purchase Order/Quote No: 9540.19.01

Analysis (Attach list if more space is needed): 8010, 8080, 8010, 8020

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	8010	8080	8010	8020	Special Instructions/ Conditions of Receipt
3L-2-5.0	3-25-96	2415			X							X	X			
3L-2-5.5		2415			X									X	X	
3L-2-10.0		2555										X	X			
3L-2-10.5		2555												X	X	
3L-2-15.0		310										X	X			HOLD
3L-2-15.5		310												X	X	
3L-2-20.0		325										X	X			
3L-2-20.5		325												X	X	
3L-2-25.5		345										X	X			
3L-2-26.5		345												X	X	HOLD

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	3-25-96	1420	1. Received By: [signature] B. LEITH		
2. Relinquished By:			2. Received By:		
3. Relinquished By:			3. Received By:		

Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077486

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client: Kennedy/Jenks Consult.	Project Manager: Russ Purcell	Date: 3-26-96	Chain Of Custody Number: 55404
Address: 2151 Michelson, #100	Telephone Number (Area Code)/Fax Number: 714/261-1577	Lab Number:	Page 1 of 2
City: Irvine; State: CA; Zip Code:	Site Contact: Ken Knight; Lab Contact:	Analysis (Attach list if more space is needed)	
Project Name: DAC 96 Phase III	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Aqueous	Sed.	Soil	Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH		6010	8080
3F-1-5.0	3-26-96	830			X	X							X	X
3F-1-10.0		840											X	X
3F-2-6.0		940											X	X
3F-2-10.0		950											X	X
3F-3-5.0		1110											X	X
3F-3-10.0		1120											X	X
3D-2-5.0		140											X	X
3D-2-10.0		155											X	X

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify): Return laboratory data report ASAP by FAX

1. Relinquished By: Ken Knight Ken Knight	Date: 3-26-96	Time: 3:30	1. Received By: David Hernandez	Date: 3-26-96	Time: 3:35 PM
2. Relinquished By:	Date:	Time:	2. Received By:	Date:	Time:
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077487

Chain of Custody Record

QUA4124-1

Quanterra Environmental Services

Client: Kennedy/Jenks Consult.	Project Manager: Ron Purcell	Date: 3-26-96	Chain Of Custody Number: 55405
Address: 2151 Michelson, #100	Telephone Number (Area Code)/Fax Number: 714/261-1577	Lab Number:	Page 2 of 2
City: Irvine; State: CA; Zip Code:	Site Contact: Ken Knight; Lab Contact:		
Project Name: DAC CG Phase II	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Analysis (Attach list if more space is needed): 6010, 8080

Special Instructions/ Conditions of Receipt: HOLD (all)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	6010	8080
3F-1-15.0'	3-26-96	850			X	X							
3F-1-20.0'		900											
3F-1-25.0'		920											
3F-2-15.0'		1000											
3F-2-20.0'		1015											
3F-2-25.0'		1030											
3F-3-15.0'		1130											
3F-3-20.0'		1140											
3F-3-25.0'		1155											
3D-2-15.0'		205											
3D-2-20.0'		215											
3D-2-25.0'		225											

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☒ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify): Return Acknowledgement Report by FAX ASAP.

1. Relinquished By: Ken Knight	Date: 3-26-96	Time: 3:30	1. Received By: Javier Armendariz	Date: 3-26-96	Time: 3:35 PM
2. Relinquished By:	Date:	Time:	2. Received By:	Date:	Time:
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments:

DISTRIBUTION: WHITE - Stays with the Sample, CANARY - Returned to Client with Report, PINK - Field Copy

BOE-C6-0077488

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
Kennedy/Jenks	Rus Purcell	3/25/96	49641
Address	Telephone Number (Area Code)/Fax Number: (714) 261 1577 261 2134	Lab Number	Page ____ of ____

City	State	Zip Code	Site Contact	Lab Contact

Project Name	Carrier/Waybill Number
DAC C-6 Phase II	

Contract/Purchase Order/Quote No.: 954019.01

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Cool	CCR-6010	8080	HOLD	Special Instructions/ Conditions of Receipt
30-2-10	3/26/96	0845			X	✓						✓	X	X		
30-2-15		0855											X	X		
30-2-20		0905													X	
30-2-25		0910													X	
30-1-10	3/26/96	0940											X	X		
30-1-15		0950											X	X		
30-1-20		0957													X	
30-1-25		1001													X	
3M-2-10	3/26/96	1045			X							X	X	X		
3M-2-15		1100											X	X		
3M-2-20		1105													X	
3M-2-25		1110													X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	3/26/96	1530	1. Received By: Javier Armendariz	3-26-96	3:30
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077489

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client: Kennedy/Jenks	Project Manager: Russ Purcell	Date:	Chain Of Custody Number: 49644
Address:	Telephone Number (Area Code)/Fax Number: (714) 2601577 2612134	Lab Number:	Page ____ of ____
City: / State: / Zip Code:	Site Contact:	Lab Contact:	
Project Name: DAC C-6 Phase II	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 9540A.01			

Analysis (Attach list if more space is needed): CCR-6010, 8080, HOLD

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Cool	CCR-6010	8080	HOLD
3K-1-10	3/25/96	1115			X								X	X	X	
3K-1-15		1130												X	X	
3K-1-20		1135														X
3K-1-25		1145														X
3J-2-10		1220			X									X	X	
3J-2-15		1240												X	X	
3J-2-20		1250														X
3J-2-25		1255														X
~~3J-1-10~~					X									X	X	
~~3J-1-15~~														X	X	
~~3J-1-20~~																X
~~3J-1-25~~															X	X

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☑ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☑ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☑ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By	3/25/96	1605	1. Received By		
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077490

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
Kennedy/Jenks	Russ Purcell	3/25/96	49642
Address	Telephone Number (Area Code)/Fax Number: (714) 261 1577	Lab Number	Page ____ of ____
City / State / Zip Code	Site Contact / Lab Contact		
Project Name: DAC C-6 Phase II	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 954019.01			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Cool	Analysis: 8010/8020	8015	Special Instructions/ Conditions of Receipt
3K-1-10	3/25/96	1115			X	X							X		
3K-1-15		1130											X		
3K-1-20		1135												X	
3K-1-25		1145												X	
3J-2-10		1230											X		
3J-2-15		1240											X		
3J-2-20		1250												X	
3J-2-25		1255												X	
~~3J-1-10~~					X	X						X	X		
~~3J-1-15~~													X		
~~3J-1-20~~														X	
~~3J-1-25~~														X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☑ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☑ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	3/25/96	1005	1. Received By		
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077491

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client: Kennedy/Jenks	Project Manager: Bob Purcell	Date: 3/25/96	Chain Of Custody Number: 49645
Address:	Telephone Number (Area Code)/Fax Number: (714) 261 1577 2612134	Lab Number:	Page ____ of ____
City: / State: / Zip Code:	Site Contact: / Lab Contact:		
Project Name: DAC C-6 Phase 2	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 54019.01			

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Total	8010/8020	8250	CLP 6010	HOLD	Special Instructions/ Conditions of Receipt
3N-1-10	3/25/96	1450			X									X	X	X		
3N-1-15		1455												X	X	X		
3N-1-20		1500															X	
3N-1-25		1505															X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	3/25/96	1605	1. Received By: [signature]		
2. Relinquished By:			2. Received By:		
3. Relinquished By:			3. Received By:		

Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077492

Appendix C

TABLE C1
TABLE OF CONTENTS OF LABORATORY REPORTS[a]

Douglas Aircraft Company C-6 Facility
Torrance, California
May, 1996
K/J 954019.01

Sample Site	Boring Number	Collection Method	Analysis						
			418.1[b]	8010/8020[c]	8015-M[d]	8010/8020	6010[e]	8080[f]	335.3[g]
			Mobile Laboratory			Standard Laboratory			
1	1	Direct-Push	C1	C1			C2		
2	2A	Direct-Push	C1	C1			C3		
	2B	Direct-Push	C1	C1			C3		
3	3A-1	Lim.-Acc. Rig	C1	C1			C6	C6	
	3A-2	Lim.-Acc. Rig	C1	C1			C6	C6	
	3B-2	Direct-Push	C1	C1			C3	C3	
	3C-1	Direct-Push	C1	C1			C4	C4	
	3C-2	Direct-Push	C1	C1			C4	C4	
	3D-1	Lim.-Acc. Rig	C1	C1			C4	C4	
	3D-2	Direct-Push	C1	C1			C8	C8	
	3E-1	Direct-Push	C1	C1			C4	C4	
	3E-2	Direct-Push	C1	C1			C4	C4	
	3F-1	Lim.-Acc. Rig	C1	C1			C8	C8	
	3F-2	Lim.-Acc. Rig	C1	C1			C8	C8	
	3F-3	Lim.-Acc. Rig	C1	C1			C8	C8	
	3G	Direct-Push	C1	C1			C5	C5	
	3H	Direct-Push	C1	C1			C4	C4	
	3I-1	Lim.-Acc. Rig	C1			C7	C7	C7	
	3I-2	Lim.-Acc. Rig	C1			C7	C7	C7	
	3J-1	B-53 Rig	C1	C1			C6	C6	
	3J-2	B-53 Rig	C1			C7	C7	C7	
	3K-1	B-53 Rig	C1	C1		C7	C7	C7	
	3K-2	B-53 Rig	C1	C1			C8	C8	
	3L-1	Lim.-Acc. Rig	C1			C7	C7	C7	
	3L-2	Lim.-Acc. Rig	C1			C7	C7	C7	
	3M-1	B-53 Rig	C1	C1			C8	C8	
	3M-2	B-53 Rig	C1	C1			C8	C8	
	3M-3	B-53 Rig	C1	C1			C8	C8	

Table Key

Lim.-Acc. Rig - Limited Access Rig

Table Notes:

a) Table presents the appendix subset under which results for a given sample are reported. Samples were collected between 25 March and 8 April 1996.

b) Total Recoverable Petroleum Hydrocarbons (TRPH) analyzed per EPA Method 418.1

c) Volatile Organic Compounds (VOCs) analyzed per EPA Method 8010/8020.

d) Total Petroleum Hydrocarbons as Diesel (TPH-d) analyzed per EPA Method 8015-M.

e) Metals analyzed per EPA Method 6010.

f) Polychlorinated biphenyls (PCBs) analyzed per EPA Method 8080.

g) Cyanide analyzed per EPA Method 335.5.

TABLE C1
TABLE OF CONTENTS OF LABORATORY REPORTS[a]

Douglas Aircraft Company C-6 Facility
Torrance, California
May, 1996
K/J 954019.01

Sample Site	Boring Number	Collection Method	Analysis						
			418.1[b]	8010/8020[c]	8015-M[d]	8010/8020	6010[e]	8080[f]	335.3[g]
			Mobile Laboratory			Standard Laboratory			
3	3N-1	B-53 Rig	C1			C7	C7	C7	
	3N-2	B-53 Rig	C1	C1			C6	C6	
	3O-1	B-53 Rig	C1	C1			C8	C8	
	3O-2	B-53 Rig	C1	C1			C8	C8	
4	4	Lim.-Acc. Rig		C1			C6		
5	5A	Direct-Push	C1						
	5B	Direct-Push	C1						
6	6	Direct-Push		C1			C2		
7	7A	Direct-Push		C1			C9		
	7B	Hand Auger							
	7C	Direct-Push		C1			C9		
	7D	Direct-Push		C1			C9		
8	8	Direct-Push	C1	C1			C3		
9	9	Hand Auger	C1	C1					
10	10A	Hand Auger					C10		
	10B	Hand Auger					C10		
11	11A	Direct-Push	C1						
	11B	Direct-Push	C1						
12	12A	Direct-Push			C1				
	12B	Direct-Push			C1				
	12C	Direct-Push	C1	C1					
13	13A	Direct-Push	C1						
	13B	Direct-Push	C1						
14	14	Direct-Push	C1	C1			C5		
15	15	Direct-Push	C1	C1			C2		
16	16	Direct-Push		C1					C3
17	17	Direct-Push	C1	C1			C2		

Table Key

Lim.-Acc. Rig - Limited Access Rig

Table Notes:

a) Table presents the appendix subset under which results for a given sample are reported. Samples were collected between 25 March and 8 April 1996.

b) Total Recoverable Petroleum Hydrocarbons (TRPH) analyzed per EPA Method 418.1

c) Volatile Organic Compounds (VOCs) analyzed per EPA Method 8010/8020.

d) Total Petroleum Hydrocarbons as Diesel (TPH-d) analyzed per EPA Method 8015-M.

e) Metals analyzed per EPA Method 6010

f) Polychlorinated biphenyls (PCBs) analyzed per EPA Method 8080.

g) Cyanide analyzed per EPA Method 335.5.

Appendix C1

April 16, 1996

Mr. Rus Purcell
Kennedy/Jenks Consultants
2151 Michelson Drive
Suite 100
Irvine, CA 92715

SUBJECT: DATA REPORT - DOUGLAS AIRCRAFT COMPANY, 19503 NORMANDIE AVENUE, TORRANCE, CA - KENNEDY/JENKS CONSULTANTS PROJECT #954019.01

TEG Project # 960326T3

Mr. Purcell:

Please find enclosed a data report for the above referenced location. Soil samples were analyzed in TEG's DOHS certified mobile laboratories (CERT #1317, 1667, 1745 & 1746).

Project Summary

The following analyses were conducted:

- 8 soils for total petroleum hydrocarbons (TPH) by DOHS Modified EPA Method 8015
- 86 soils for volatile halogenated hydrocarbons by EPA Method 8010
- 97 soils for total recoverable petroleum hydrocarbons (TRPH) by EPA Method 418.1

The samples were received on-site in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

Project Narrative

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfill quality control criteria.

TEG appreciates the opportunity to provide analytical services to Kennedy/Jenks Consultants on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely,

Blayne Hartman

Dr. Blayne Hartman

432 NORTH CEDROS AVENUE • SOLANA BEACH, CA 92075 • 619-793-0401 • FAX 619-793-0404

KENNEDY/JENKS CONSULTANTS PROJECT #954019.01
Douglas Aircraft Company, C-6, Phase II
19503 Normandie Avenue
Torrance, CA

TEG Project #960326T3

TRPH (EPA Method 418.1) & TPH (DOHS EPA Method 8015 Modified) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	TRPH (mg/kg)	TPH-DIESEL C12-C24 (mg/kg)
METHOD BLANK	3/26/96	ND	--
METHOD BLANK	3/27/96	ND	--
METHOD BLANK	4/2/96	ND	--
METHOD BLANK	4/5/96	ND	ND
METHOD BLANK	4/10/96	ND	--
METHOD BLANK	4/12/96	ND	--
1-5	4/2/96	ND	--
1-10	4/2/96	ND	--
2A-5	4/2/96	ND	--
2A-10	4/2/96	ND	--
2B-5	4/2/96	ND	--
2B-10	4/2/96	ND	--
3A-1-6.0'	3/27/96	ND	--
3A-1-11.0'	3/27/96	ND	--
3A-2-6.0'	3/27/96	ND	--
3A-2-11.5'	3/27/96	ND	--
3B2-18	4/12/96	ND	--
3B2-18 DUP	4/12/96	ND	--
3B2-23	4/12/96	ND	--
3C1-10	4/12/96	ND	--
3C1-15	4/12/96	ND	--
3C2-10	4/12/96	ND	--
3C2-15	4/12/96	ND	--
3D1-13	4/12/96	ND	--
3D1-18	4/12/96	ND	--
3D-2- 6.0'	3/27/96	ND	--
3D-2-11.0'	3/27/96	ND	--
3E1- 5	4/5/96	ND	--
3E1-10	4/5/96	ND	--
DETECTION LIMITS		10	10

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1667, 1745 & 1746)
ANALYSES PERFORMED BY: MR. JIM LIGGETT, MS. WINA SEISS & MR. BO SMITH
DATA REVIEWED BY: Blayne Hartman
4-19-96

KENNEDY/JENKS CONSULTANTS PROJECT #954019.01
Douglas Aircraft Company, C-6, Phase II
19503 Normandie Avenue
Torrance, CA

TEG Project #960326T3

TRPH (EPA Method 418.1) & TPH (DOHS EPA Method 8015 Modified) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	TRPH (mg/kg)	TPH-DIESEL C12-C24 (mg/kg)
3E2- 5	4/5/96	ND	--
3E2-10	4/5/96	ND	--
3F-1- 5.5'	3/26/96	ND	--
3F-1-10.5'	3/26/96	ND	--
3F-2- 5.5'	3/26/96	ND	--
3F-2-10.5'	3/26/96	ND	--
3F-3- 5.5'	3/26/96	ND	--
3F-3-10.5'	3/26/96	ND	--
3G- 5	4/5/96	5,700	--
3G-10	4/5/96	ND	--
3H- 5	4/5/96	ND	--
3H-10	4/5/96	ND	--
3I-1-6.0	3/26/96	ND	--
3I-1-11.0	3/26/96	ND	--
3I-2-6.0	3/26/96	ND	--
3I-2-10.0	3/26/96	ND	--
3J-1-10	3/27/96	ND	--
3J-1-15	3/27/96	ND	--
3J-2-10	3/26/96	23	--
3J-2-15	3/26/96	ND	--
3K-1-10	3/26/96	ND	--
3K-1-15	3/26/96	ND	--
3K-2-10	3/27/96	ND	--
3K-2-10 DUP	3/27/96	ND	--
3K-2-15	3/27/96	ND	--
3L-1-6.0	3/26/96	ND	--
3L-1-11.0	3/26/96	ND	--
3L-2-6.0	3/26/96	ND	--
3L-2-11.0	3/26/96	ND	--
3M-1-10	3/27/96	ND	--
3M-1-15	3/27/96	ND	--
DETECTION LIMITS		10	10

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1667, 1745 & 1746)
ANALYSES PERFORMED BY: MR. JIM LIGGETT, MS. WINA SEISS & MR. BO SMITH
DATA REVIEWED BY: Wayne Hartman
4-19-96

KENNEDY/JENKS CONSULTANTS PROJECT #954019.01
Douglas Aircraft Company, C-6, Phase II
19503 Normandie Avenue
Torrance, CA

TEG Project #960326T3

TRPH (EPA Method 418.1) & TPH (DOHS EPA Method 8015 Modified) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	TRPH (mg/kg)	TPH-DIESEL C12-C24 (mg/kg)
3M-2-10	3/26/96	ND	--
3M-2-15	3/26/96	ND	--
3M-3-10	3/26/96	ND	--
3M-3-15	3/26/96	ND	--
3N-1-10	3/26/96	157	--
3N-1-10 DUP	3/26/96	145	--
3N-1-15	3/26/96	ND	--
3N-2-10	3/26/96	134	--
3N-2-10 DUP	3/26/96	121	--
3N-2-15	3/26/96	ND	--
3O-1-10	3/26/96	ND	--
3O-1-15	3/26/96	ND	--
3O-1-20	3/27/96	ND	--
3O-2-10	3/26/96	ND	--
3O-2-15	3/26/96	ND	--
4-6.0'	3/27/96	ND	--
4-11.0'	3/27/96	ND	--
5A-35	4/10/96	ND	--
5A-35 DUP	4/10/96	ND	--
5B-35	4/10/96	ND	--
6-5	4/2/96	ND	--
6-10	4/2/96	ND	--
8-5	4/2/96	ND	--
8-10	4/2/96	ND	--
9A- 5	4/5/96	ND	--
9A-10	4/5/96	ND	--
11A- 5	4/5/96	ND	--
11A-10	4/5/96	ND	--
11B- 5	4/5/96	ND	--
11B-10	4/5/96	ND	--
DETECTION LIMITS		10	10

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1667, 1745 & 1746)
ANALYSES PERFORMED BY: MR. JIM LIGGETT, MS. WINA SEISS & MR. BO SMITH
DATA REVIEWED BY: Blaque Hartman
4-19-96

KENNEDY/JENKS CONSULTANTS PROJECT #954019.01
Douglas Aircraft Company, C-6, Phase II
19503 Normandie Avenue
Torrance, CA

TEG Project #960326T3

TRPH (EPA Method 418.1) & TPH (DOHS EPA Method 8015 Modified) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	TRPH (mg/kg)	TPH-DIESEL C12-C24 (mg/kg)
12A- 5	4/5/96	--	ND
12A-10	4/5/96	--	ND
12A-15	4/5/96	--	ND
12B- 5	4/5/96	--	ND
12B-10	4/5/96	--	ND
12B-15	4/5/96	--	200
12B-20	4/5/96	--	ND
12B-25	4/5/96	--	ND
12C- 5	4/5/96	ND	--
12C-10	4/5/96	ND	--
12C-10 DUP	4/5/96	ND	--
13A- 5	4/5/96	ND	--
13A-10	4/5/96	ND	--
13B- 5	4/5/96	ND	--
13B-10	4/5/96	ND	--
13B-15	4/5/96	ND	--
13B-20	4/5/96	ND	--
13B-25	4/5/96	ND	--
14- 5	4/5/96	ND	--
14-10	4/5/96	ND	--
15-05	4/2/96	ND	--
15-10	4/2/96	ND	--
17-5	4/2/96	ND	--
17-10	4/2/96	179	--
17-10 DUP	4/2/96	168	--
17-15	4/2/96	ND	--
17-20	4/2/96	ND	--
17-25	4/2/96	ND	--
DETECTION LIMITS		10	10

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1667, 1745 & 1746)
ANALYSES PERFORMED BY: MR. JIM LIGGETT, MS. WINA SEISS & MR. BO SMITH
DATA REVIEWED BY: Blayne Hartman
4-19-96

teg

QA/QC REPORT - CALIBRATION DATA

TEG Project #960326T3
DAILY CALIBRATION DATE : 03/26/96

	CALIBRATION RANGE		INITIAL	INITIAL		OPENING			CLOSING / LCS		
COMPOUND	SOIL (ppm)	WATER (ppb)	CALIB DATE	RF	%RSD	AREA	RF	%DIFF	AREA	RF	%DIFF
TRPH	20 - 1,000	20 - 1,000	10/10/95	609.73	8.6%	0.785	636.94	4.5%	0.786	636.13	4.3%

INITIAL RF - AVERAGE RESPONSE FACTOR FROM MULTIPOINT CALIBRATION CURVE
% RSD - LINEARITY OF MULTIPOINT CALIBRATION CURVE (+/- 20% ACCEPTABLE LIMITS)
AREA - AREA COUNTS FROM DAILY CALIBRATION STANDARD
RF - DETECTOR RESPONSE FACTOR FROM MID-POINT CALIBRATION STANDARD
% DIFF - DIFFERENCE, IN PERCENT, BETWEEN THE AVERAGE RF AND THE OPENING OR CLOSING RF
OPENING - MID-POINT CALIBRATION STANDARD ANALYZED BEFORE SAMPLE ANALYSES BEGIN
CLOSING - MID-POINT CALIBRATION STANDARD ANALYZED AFTER SAMPLES ANALYSES ARE COMPLETE

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1667)
ANALYSES PERFORMED BY: MR. JIM LIGGETT
DATA REVIEWED BY: Dwayne Hartman
4-19-96

teg

QA/QC REPORT - CALIBRATION DATA

TEG Project #960326T3
DAILY CALIBRATION DATE :3/27/96

	CALIBRATION RANGE		INITIAL	INITIAL		OPENING			CLOSING / LCS		
COMPOUND	SOIL (ppm)	WATER (ppb)	CALIB DATE	RF	%RSD	AREA	RF	%DIFF	AREA	RF	%DIFF
TRPH	20 - 1,000	20 - 1,000	10/10/95	609.73	8.6%	0.777	643.50	5.5%	0.792	631.31	3.5%

INITIAL RF - AVERAGE RESPONSE FACTOR FROM MULTIPOINT CALIBRATION CURVE
% RSD - LINEARITY OF MULTIPOINT CALIBRATION CURVE (+/- 20% ACCEPTABLE LIMITS)
AREA - AREA COUNTS FROM DAILY CALIBRATION STANDARD
RF - DETECTOR RESPONSE FACTOR FROM MID-POINT CALIBRATION STANDARD
% DIFF - DIFFERENCE, IN PERCENT, BETWEEN THE AVERAGE RF AND THE OPENING OR CLOSING RF
OPENING - MID-POINT CALIBRATION STANDARD ANALYZED BEFORE SAMPLE ANALYSES BEGIN
CLOSING - MID-POINT CALIBRATION STANDARD ANALYZED AFTER SAMPLES ANALYSES ARE COMPLETE

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1667)
ANALYSES PERFORMED BY: MR. JIM LIGGETT
DATA REVIEWED BY: Blaque Hartman
4-19-96

teg

QA/QC REPORT - CALIBRATION DATA

TEG Project #960326T3
DAILY CALIBRATION DATE : 04/02/96

	CALIBRATION RANGE		INITIAL	INITIAL		OPENING			CLOSING / LCS		
COMPOUND	SOIL (ppm)	WATER (ppb)	CALIB DATE	RF	%RSD	AREA	RF	%DIFF	AREA	RF	%DIFF
TRPH	20 - 1,000	20 - 1,000	4/1/96	716.06	2.8%	0.700	714.29	0.2%	0.716	698.32	2.5%

INITIAL RF - AVERAGE RESPONSE FACTOR FROM MULTIPOINT CALIBRATION CURVE
% RSD - LINEARITY OF MULTIPOINT CALIBRATION CURVE (+/- 20% ACCEPTABLE LIMITS)
AREA - AREA COUNTS FROM DAILY CALIBRATION STANDARD
RF - DETECTOR RESPONSE FACTOR FROM MID-POINT CALIBRATION STANDARD
% DIFF - DIFFERENCE, IN PERCENT, BETWEEN THE AVERAGE RF AND THE OPENING OR CLOSING RF
OPENING - MID-POINT CALIBRATION STANDARD ANALYZED BEFORE SAMPLE ANALYSES BEGIN
CLOSING - MID-POINT CALIBRATION STANDARD ANALYZED AFTER SAMPLES ANALYSES ARE COMPLETE

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1667)
ANALYSES PERFORMED BY: MR. JIM LIGGETT
DATA REVIEWED BY: Wayne Hartman
4-19-96

teg

QA/QC REPORT - CALIBRATION DATA

TEG Project #960326T3
DAILY CALIBRATION DATE : 04/10/96

	CALIBRATION RANGE		INITIAL	INITIAL		OPENING			CLOSING / LCS		
COMPOUND	SOIL (ppm)	WATER (ppb)	CALIB DATE	RF	%RSD	AREA	RF	%DIFF	AREA	RF	%DIFF
TRPH	20 - 1,000	20 - 1,000	4/20/95	635.16	2.7%	0.870	574.71	9.5%	0.870	574.71	9.5%

INITIAL RF - AVERAGE RESPONSE FACTOR FROM MULTIPOINT CALIBRATION CURVE
% RSD - LINEARITY OF MULTIPOINT CALIBRATION CURVE (+/- 20% ACCEPTABLE LIMITS)
AREA - AREA COUNTS FROM DAILY CALIBRATION STANDARD
RF - DETECTOR RESPONSE FACTOR FROM MID-POINT CALIBRATION STANDARD
% DIFF - DIFFERENCE, IN PERCENT, BETWEEN THE AVERAGE RF AND THE OPENING OR CLOSING RF
OPENING - MID-POINT CALIBRATION STANDARD ANALYZED BEFORE SAMPLE ANALYSES BEGIN
CLOSING - MID-POINT CALIBRATION STANDARD ANALYZED AFTER SAMPLES ANALYSES ARE COMPLETE

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1746)
ANALYSES PERFORMED BY: MR. BO SMITH
DATA REVIEWED BY: Wayne Hartman
4-19-96

teg

QA/QC REPORT - CALIBRATION DATA

TEG Project #960326T3
DAILY CALIBRATION DATE : 04/12/96

	CALIBRATION RANGE		INITIAL	INITIAL		OPENING			CLOSING / LCS		
COMPOUND	SOIL (ppm)	WATER (ppb)	CALIB DATE	RF	%RSD	AREA	RF	%DIFF	AREA	RF	%DIFF
TRPH	20 - 1,000	20 - 1,000	4/12/95	643.28	3.1%	0.838	596.66	7.2%	0.850	588.24	8.6%

INITIAL RF - AVERAGE RESPONSE FACTOR FROM MULTIPOINT CALIBRATION CURVE
% RSD - LINEARITY OF MULTIPOINT CALIBRATION CURVE (+/- 20% ACCEPTABLE LIMITS)
AREA - AREA COUNTS FROM DAILY CALIBRATION STANDARD
RF - DETECTOR RESPONSE FACTOR FROM MID-POINT CALIBRATION STANDARD
% DIFF - DIFFERENCE, IN PERCENT, BETWEEN THE AVERAGE RF AND THE OPENING OR CLOSING RF
OPENING - MID-POINT CALIBRATION STANDARD ANALYZED BEFORE SAMPLE ANALYSES BEGIN
CLOSING - MID-POINT CALIBRATION STANDARD ANALYZED AFTER SAMPLES ANALYSES ARE COMPLETE

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1745)
ANALYSES PERFORMED BY: MR. NOAH UNSWORTH
DATA REVIEWED BY: Wayne Hartman
4-19-96

teg

QA/QC REPORT - CALIBRATION DATA

TEG Project #960326T3
DAILY CALIBRATION DATE : 04/05/96

	CALIBRATION RANGE		INITIAL	INITIAL		OPENING			CLOSING / LCS		
COMPOUND	SOIL (ppm)	WATER (ppb)	CALIB DATE	RF	%RSD	AREA	RF	%DIFF	AREA	RF	%DIFF
TPH GASOLINE - FID1	20 - 20000	660 - 660000	11/6/95	0.645	4.1%	379	0.632	2.1%	349	0.582	9.9%
TPH GASOLINE - FID2	20 - 20000	660 - 660000	11/6/95	0.757	2.4%	439	0.732	3.4%	454	0.757	0.1%
TPH GASOLINE - FID3	20 - 20000	660 - 660000	11/6/95	0.657	3.0%	375	0.625	4.8%	428	0.713	8.6%
TPH DIESEL - FID1	50 - 50000	1650 - 1650000	11/6/95	0.271	1.6%	435	0.290	6.9%	381	0.254	6.4%
TPH DIESEL - FID2	50 - 50000	1650 - 1650000	11/6/95	0.299	7.1%	476	0.317	6.3%	482	0.321	7.6%
TPH DIESEL - FID3	50 - 50000	1650 - 1650000	11/6/95	0.278	5.6%	425	0.283	1.8%	479	0.319	14.8%
TRPH	20 - 1,000	20 - 1,000	4/12/95	643.28	3.1%	0.837	597.37	7.1%	0.814	614.25	4.5%

INITIAL RF - AVERAGE RESPONSE FACTOR FROM MULTIPOINT CALIBRATION CURVE
% RSD - LINEARITY OF MULTIPOINT CALIBRATION CURVE (+/- 20% ACCEPTABLE LIMITS)
AREA - AREA COUNTS FROM DAILY CALIBRATION STANDARD
RF - DETECTOR RESPONSE FACTOR FROM MID-POINT CALIBRATION STANDARD
% DIFF - DIFFERENCE, IN PERCENT, BETWEEN THE AVERAGE RF AND THE OPENING OR CLOSING RF
OPENING - MID-POINT CALIBRATION STANDARD ANALYZED BEFORE SAMPLE ANALYSES BEGIN
CLOSING - MID-POINT CALIBRATION STANDARD ANALYZED AFTER SAMPLES ANALYSES ARE COMPLETE

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1745)
ANALYSES PERFORMED BY: MS. WINA SEISS
DATA REVIEWED BY: Blayne Hartman
4-19-96

teg

QA/QC REPORT - MS/MSD DATA

MATRIX SPIKE (MS)/MATRIX SPIKE DUPLICATE (MSD) FOR SOILS

ANALYSIS DATE : 03/26/96
TEG Project #960326T3

COMPOUND	SPK CONC (mg/kg)	MS CONC (mg/kg)	%REC MS	MSD CONC (mg/kg)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE RECOVERY
TRPH	500	440	88.0%	450	90.0%	2.2%	15%	75% - 110%

MATRIX SPIKE (MS2)/MATRIX SPIKE DUPLICATE (MSD2) FOR SOILS

ANALYSIS DATE : 03/26/96
TEG Project #960326T3

COMPOUND	SPK CONC (mg/kg)	MS CONC (mg/kg)	%REC MS	MSD CONC (mg/kg)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE RECOVERY
TRPH	500	415	83.0%	440	88.0%	5.8%	15%	75% - 110%

SPK CONC - CONCENTRATION SPIKED INTO MATRIX
MS CONC - ANALYZED CONCENTRATION OF SPIKED SAMPLE
% REC - PERCENT RECOVERY OF SPIKE FROM MATRIX
RPD - RELATIVE PERCENT DIFFERENCE BETWEEN MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1667)
ANALYSES PERFORMED BY: MR. JIM LIGGETT
DATA REVIEWED BY: Wayne Hartman
4-19-96

teg

QA/QC REPORT - MS/MSD DATA

MATRIX SPIKE (MS)/MATRIX SPIKE DUPLICATE (MSD) FOR SOILS

ANALYSIS DATE :3/27/96
TEG Project #960326T3

COMPOUND	SPK CONC (mg/kg)	MS CONC (mg/kg)	%REC MS	MSD CONC (mg/kg)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE RECOVERY
TRPH	500	446	89.2%	432	86.4%	3.2%	15%	75% - 110%

SPK CONC - CONCENTRATION SPIKED INTO MATRIX
MS CONC - ANALYZED CONCENTRATION OF SPIKED SAMPLE
% REC - PERCENT RECOVERY OF SPIKE FROM MATRIX
RPD - RELATIVE PERCENT DIFFERENCE BETWEEN MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1667)
ANALYSES PERFORMED BY: MR. JIM LIGGETT
DATA REVIEWED BY: Blaque Hartman
4-19-96

teg

QA/QC REPORT - MS/MSD DATA

MATRIX SPIKE (MS)/MATRIX SPIKE DUPLICATE (MSD) FOR SOILS

ANALYSIS DATE : 04/02/96
TEG Project #960326T3

COMPOUND	SPK CONC (mg/kg)	MS CONC (mg/kg)	%REC MS	MSD CONC (mg/kg)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE RECOVERY
TRPH	500	478	95.6%	458	91.6%	4.3%	15%	75% - 110%

SPK CONC - CONCENTRATION SPIKED INTO MATRIX
MS CONC - ANALYZED CONCENTRATION OF SPIKED SAMPLE
% REC - PERCENT RECOVERY OF SPIKE FROM MATRIX
RPD - RELATIVE PERCENT DIFFERENCE BETWEEN MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1667)
ANALYSES PERFORMED BY: MR. JIM LIGGETT
DATA REVIEWED BY: Blayne Hartman
4-19-96

teg

QA/QC REPORT - MS/MSD DATA

MATRIX SPIKE (MS)/MATRIX SPIKE DUPLICATE (MSD) FOR SOILS

ANALYSIS DATE : 04/10/96
TEG Project #960326T3

COMPOUND	SPK CONC (mg/kg)	MS CONC (mg/kg)	%REC MS	MSD CONC (mg/kg)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE RECOVERY
TRPH	500	504	100.8%	504	100.8%	0.0%	15%	75% - 110%

SPK CONC - CONCENTRATION SPIKED INTO MATRIX
MS CONC - ANALYZED CONCENTRATION OF SPIKED SAMPLE
% REC - PERCENT RECOVERY OF SPIKE FROM MATRIX
RPD - RELATIVE PERCENT DIFFERENCE BETWEEN MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1746)
ANALYSES PERFORMED BY: MR. BO SMITH
DATA REVIEWED BY: Wayne Hardman
4-19-96

teg

QA/QC REPORT - MS/MSD DATA

MATRIX SPIKE (MS)/MATRIX SPIKE DUPLICATE (MSD) FOR SOILS

ANALYSIS DATE : 04/12/96
TEG Project #960326T3

COMPOUND	SPK CONC (mg/kg)	MS CONC (mg/kg)	%REC MS	MSD CONC (mg/kg)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE RECOVERY
TRPH	500	509	101.8%	512	102.4%	0.6%	15%	75% - 110%

SPK CONC - CONCENTRATION SPIKED INTO MATRIX
MS CONC - ANALYZED CONCENTRATION OF SPIKED SAMPLE
% REC - PERCENT RECOVERY OF SPIKE FROM MATRIX
RPD - RELATIVE PERCENT DIFFERENCE BETWEEN MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1745)
ANALYSES PERFORMED BY: MR. NOAH UNSWORTH
DATA REVIEWED BY: Blayne Hartman
4-19-96

teg

QA/QC REPORT - MS/MSD DATA

MATRIX SPIKE (MS)/MATRIX SPIKE DUPLICATE (MSD) FOR SOILS

ANALYSIS DATE : 04/05/96
TEG Project #960326T3

COMPOUND	SPK CONC (mg/kg)	MS CONC (mg/kg)	%REC MS	MSD CONC (mg/kg)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE RECOVERY
TRPH	500	484	96.8%	504	100.8%	4.0%	15%	75% - 110%
TPH GASOLINE	200	208	104.0%	212	106.0%	1.9%	15%	82% - 122%
TPH DIESEL	500	545	109.0%	567	113.4%	4.0%	15%	72% - 112%

MATRIX SPIKE (MS2)/MATRIX SPIKE DUPLICATE (MSD2) FOR SOILS

ANALYSIS DATE : 04/05/96
TEG Project #960326T3

COMPOUND	SPK CONC (mg/kg)	MS CONC (mg/kg)	%REC MS	MSD CONC (mg/kg)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE RECOVERY
TRPH	500	517	103.4%	516	103.2%	0.2%	15%	75% - 110%

SPK CONC - CONCENTRATION SPIKED INTO MATRIX
MS CONC - ANALYZED CONCENTRATION OF SPIKED SAMPLE
% REC - PERCENT RECOVERY OF SPIKE FROM MATRIX
RPD - RELATIVE PERCENT DIFFERENCE BETWEEN MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1745)
ANALYSES PERFORMED BY: MS. WINA SEISS
DATA REVIEWED BY: Blayne Hartman
4-19-96

KENNEDY/JENKS CONSULTANTS PROJECT #954019.01
Douglas Aircraft Company, C-6, Phase II
19503 Normandie Avenue
Torrance, CA

TEG Project #960326T3

VOLATILE AROMATIC AND HALOGENATED HYDROCARBON ANALYSIS OF SOIL (EPA Method 8010/8020) IN UG/KG

Sample ID	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK
Date	3/26/96	3/27/96	3/28/96	4/1/96	4/2/96	4/3/96	4/4/96	4/5/96
Time	9:09	8:22	9:03	8:47	7:45	7:45	9:00	8:21
Dilution Factor (cc)	1	1	1	1	1	1	1	1
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd
% SURROGATE RECOVERY	100%	101%	108%	104%	104%	104%	120%	120%

* INDICATES 10 TIMES DILUTION

ND INDICATES NOT DETECTED AT DETECTION LIMIT OF 5 UG/KGFOR EACH COMPOUND

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY:

Alayne Hartman
4-19-96

KENNEDY/JENKS CONSULTANTS PROJECT #954019.01
Douglas Aircraft Company, C-6, Phase II
19503 Normandie Avenue
Torrance, CA

TEG Project #960326T3

VOLATILE AROMATIC AND HALOGENATED HYDROCARBON ANALYSIS OF SOIL (EPA Method 8010/8020) IN UG/KG

Sample ID	1-5	1-10	2A-5	2A-10	2A-15	2A-20	2A-25	2B-5
Date	4/1/96	4/1/96	4/2/96	4/2/96	4/2/96	4/2/96	4/2/96	4/2/96
Time	16:29	17:00	9:44	10:09	12:25	11:59	11:34	10:40
Dilution Factor (cc)	1	1	1	1	1	1	1	1
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	7.5	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	5.0	8.1	nd	5.4	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd
% SURROGATE RECOVERY	112%	96%	108%	102%	90%	110%	92%	84%

* INDICATES 10 TIMES DILUTION

ND INDICATES NOT DETECTED AT DETECTION LIMIT OF 5 UG/KGFOR EACH COMPOUND

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY:

Blaine Hartman
4-19-96

KENNEDY/JENKS CONSULTANTS PROJECT #954019.01
Douglas Aircraft Company, C-6, Phase II
19503 Normandie Avenue
Torrance, CA

TEG Project #960326T3

VOLATILE AROMATIC AND HALOGENATED HYDROCARBON ANALYSIS OF SOIL (EPA Method 8010/8020) IN UG/KG

Sample ID	2B-10	3A-1-5.5	3A-1-10.5	3A-2-5.5	3A-2-11	3B2-18	3B2-23	3C1-10
Date	4/2/96	3/28/96	3/28/96	3/28/96	3/28/96	4/3/96	4/3/96	4/3/96
Time	11:08	10:21	10:47	12:08	12:37	8:34	9:02	9:30
Dilution Factor (cc)	1	1	1	1	1	1	1	1
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd
% SURROGATE RECOVERY	84%	101%	98%	98%	100%	107%	108%	108%

* INDICATES 10 TIMES DILUTION

ND INDICATES NOT DETECTED AT DETECTION LIMIT OF 5 UG/KGFOR EACH COMPOUND

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY: Blayne Hartman 4-19-96

KENNEDY/JENKS CONSULTANTS PROJECT #954019.01
Douglas Aircraft Company, C-6, Phase II
19503 Normandie Avenue
Torrance, CA

TEG Project #960326T3

VOLATILE AROMATIC AND HALOGENATED HYDROCARBON ANALYSIS OF SOIL (EPA Method 8010/8020) IN UG/KG

Sample ID	3C1-15	3C2-10	3C2-15	3D1-13	3D1-18	3E-1-5	3E1-10	3E2-5
Date	4/3/96	4/3/96	4/3/96	4/3/96	4/3/96	4/4/96	4/4/96	4/4/96
Time	10:02	13:49	14:35	15:00	15:30	9:27	9:53	10:19
Dilution Factor (cc)	1	1	1	1	1	1	1	1
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd
% SURROGATE RECOVERY	116%	84%	84%	92%	110%	112%	103%	108%

* INDICATES 10 TIMES DILUTION

ND INDICATES NOT DETECTED AT DETECTION LIMIT OF 5 UG/KGFOR EACH COMPOUND

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY: Blayne Hartman
4-19-96

KENNEDY/JENKS CONSULTANTS PROJECT #954019.01
Douglas Aircraft Company, C-6, Phase II
19503 Normandie Avenue
Torrance, CA

TEG Project #960326T3

VOLATILE AROMATIC AND HALOGENATED HYDROCARBON ANALYSIS OF SOIL (EPA Method 8010/8020) IN UG/KG

Sample ID	3E2-10	3D-2-5.5	3D-2-10.5	3F-1-5.5	3F-1-10.5	3F-2-5	3F-2-10.5	3F-3-5.5
Date	4/4/96	3/27/96	3/28/96	3/26/96	3/26/96	3/27/96	3/27/96	3/26/96
Time	10:46	13:42	9:55	14:21	14:47	10:05	9:39	15:13
Dilution Factor (cc)	1	1	1	1	1	1	1	1
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	5.0	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	58.0	nd	nd
TOLUENE	nd	nd	nd	nd	nd	18.6	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	15.0	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd
% SURROGATE RECOVERY	112%	90%	100%	77%	92%	96%	91%	90%

* INDICATES 10 TIMES DILUTION
ND INDICATES NOT DETECTED AT DETECTION LIMIT OF 5 UG/KGFOR EACH COMPOUND

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY: Blaine Hartman
4-19-96

KENNEDY/JENKS CONSULTANTS PROJECT #954019.01
Douglas Aircraft Company, C-6, Phase II
19503 Normandie Avenue
Torrance, CA

TEG Project #960326T3

VOLATILE AROMATIC AND HALOGENATED HYDROCARBON ANALYSIS OF SOIL (EPA Method 8010/8020) IN UG/KG

Sample ID	3F-3-10.5	3G-5	3G-10	3H-5	3H-10	3M-2-10	3J-1-10	3J-1-15
Date	3/26/96	4/4/96	4/4/96	4/4/96	4/4/96	3/26/96	3/27/96	3/27/96
Time	15:39	12:07	12:36	11:12	11:38	16:08	11:56	12:22
Dilution Factor (cc)	1	1	1	1	1	1	1	1
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd
% SURROGATE RECOVERY	92%	92%	104%	104%	101%	81%	84%	93%

* INDICATES 10 TIMES DILUTION

ND INDICATES NOT DETECTED AT DETECTION LIMIT OF 5 UG/KGFOR EACH COMPOUND

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY: Blayne Hartman
4-19-96

KENNEDY/JENKS CONSULTANTS PROJECT #954019.01
Douglas Aircraft Company, C-6, Phase II
19503 Normandie Avenue
Torrance, CA

TEG Project #960326T3

VOLATILE AROMATIC AND HALOGENATED HYDROCARBON ANALYSIS OF SOIL (EPA Method 8010/8020) IN UG/KG

Sample ID	3K-2-10	3K-2-15	3K-2-20	3K-2-25	3M-1-10	3M-1-15	3M-2-15	3M-3-10
Date	3/27/96	3/27/96	3/28/96	3/28/96	3/27/96	3/27/96	3/26/96	3/26/96
Time	10:36	11:02	13:30	14:58	12:49	13:14	16:33	17:00
Dilution Factor (cc)	1	1	1	1	1	1	1	1
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	8.0	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	97.0	15.3	8.4	38.2	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd
% SURROGATE RECOVERY	76%	84%	86%	107%	80%	96%	92%	81%

* INDICATES 10 TIMES DILUTION

ND INDICATES NOT DETECTED AT DETECTION LIMIT OF 5 UG/KGFOR EACH COMPOUND

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY: Blayne Hartman
4-19-96

KENNEDY/JENKS CONSULTANTS PROJECT #954019.01
Douglas Aircraft Company, C-6, Phase II
19503 Normandie Avenue
Torrance, CA

TEG Project #960326T3

VOLATILE AROMATIC AND HALOGENATED HYDROCARBON ANALYSIS OF SOIL (EPA Method 8010/8020) IN UG/KG

Sample ID	3M-3-15	3N-2-10	3N-2-15	3O-1-10	3O-1-15	3O-1-20	3O-1-25	3O-2-10
Date	3/26/96	3/26/96	3/26/96	3/26/96	3/26/96	3/28/96	3/28/96	3/26/96
Time	17:18	11:19	11:48	12:30	12:59	16:57	16:28	10:19
Dilution Factor (cc)	1	1	1	1	1	1	1	1
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	5.0	nd	nd	nd	51.0
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	7.2	nd	13.5	10.0	121.0
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd
% SURROGATE RECOVERY	92%	88%	92%	81%	88%	96%	94%	87%

* INDICATES 10 TIMES DILUTION

ND INDICATES NOT DETECTED AT DETECTION LIMIT OF 5 UG/KGFOR EACH COMPOUND

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY: Blayne Hartman
4-19-96

KENNEDY/JENKS CONSULTANTS PROJECT #954019.01
Douglas Aircraft Company, C-6, Phase II
19503 Normandie Avenue
Torrance, CA

TEG Project #960326T3

VOLATILE AROMATIC AND HALOGENATED HYDROCARBON ANALYSIS OF SOIL (EPA Method 8010/8020) IN UG/KG

Sample ID	3O-2-15	3O-2-20	30-2-25	4-5.5	4-10.5	6-5	6-10	8-5
Date	3/26/96	3/27/96	3/28/96	3/28/96	3/28/96	4/2/96	4/2/96	4/2/96
Time	10:49	11:28	13:04	11:16	11:41	8:53	9:18	13:18
Dilution Factor (cc)	1	10	1	1	1	1	1	1
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	34.6	76.6	20.7	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	81.0	242.0	98.7	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd
% SURROGATE RECOVERY	95%	98%	98%	82%	101%	98%	84%	100%

* INDICATES 10 TIMES DILUTION

ND INDICATES NOT DETECTED AT DETECTION LIMIT OF 5 UG/KGFOR EACH COMPOUND

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY: Wayne Hartman
4/29/96

BOE-C6-0077522

KENNEDY/JENKS CONSULTANTS PROJECT #954019.01
Douglas Aircraft Company, C-6, Phase II
19503 Normandie Avenue
Torrance, CA

TEG Project #960326T3

VOLATILE AROMATIC AND HALOGENATED HYDROCARBON ANALYSIS OF SOIL (EPA Method 8010/8020) IN UG/KG

Sample ID	8-10	9A-5	9A-10	12C-5	12C-10	12C-15	12C-20	12C-25
Date	4/2/96	4/5/96	4/5/96	4/5/96	4/5/96	4/5/96	4/5/96	4/5/96
Time	13:43	13:59	14:25	13:28	13:02	15:55	15:24	14:50
Dilution Factor (cc)	1	1	1	1	1	1	1	1
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	6.4	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	10.8	7.8	16.2	69.2	24.8	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd
% SURROGATE RECOVERY	112%	104%	101%	112%	108%	90%	75%	80%

* INDICATES 10 TIMES DILUTION

ND INDICATES NOT DETECTED AT DETECTION LIMIT OF 5 UG/KGFOR EACH COMPOUND

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY: Dwayne Hartman
4/19/96

KENNEDY/JENKS CONSULTANTS PROJECT #954019.01
Douglas Aircraft Company, C-6, Phase II
19503 Normandie Avenue
Torrance, CA

TEG Project #960326T3

VOLATILE AROMATIC AND HALOGENATED HYDROCARBON ANALYSIS OF SOIL (EPA Method 8010/8020) IN UG/KG

Sample ID	14-5	14-10	15-5	15-10	15-15	15-20	15-25	16-5
Date	4/5/96	4/5/96	4/1/96	4/1/96	4/1/96	4/1/96	4/1/96	4/2/96
Time	11:09	11:34	12:56	13:22	14:14	14:41	16:03	14:40
Dilution Factor (cc)	1	1	1	1	1	1	1	1
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	21.0	23.7	nd	18.4	60.0	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	18.6	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	69.9	56.8	nd	101.8	202.0	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	7.4	nd	nd	13.5	nd
1,1,2-TRICHLORO ETHANE	nd	nd	5.4	24.5	nd	14.8	11.5	nd
TRICHLORO ETHENE	nd	nd	21.2	17.8	nd	23.7	200.0	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd
% SURROGATE RECOVERY	112%	103%	81%	94%	88%	61%	110%	100%

* INDICATES 10 TIMES DILUTION

ND INDICATES NOT DETECTED AT DETECTION LIMIT OF 5 UG/KGFOR EACH COMPOUND

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY: Dwayne Hartman
4/19/96

KENNEDY/JENKS CONSULTANTS PROJECT #954019.01
Douglas Aircraft Company, C-6, Phase II
19503 Normandie Avenue
Torrance, CA

TEG Project #960326T3

VOLATILE AROMATIC AND HALOGENATED HYDROCARBON ANALYSIS OF SOIL (EPA Method 8010/8020) IN UG/KG

Sample ID	16-10	17-5	17-10	17-15	17-20	17-25
Date	4/2/96	4/1/96	4/1/96	4/1/96	4/1/96	4/1/96
Time	14:10	10:45	11:11	11:38	12:04	12:30
Dilution Factor (cc)	1	1	1	1	1	1
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	30.0	nd	nd	162.0
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	19.2
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	95.0	7.1	10.3	*272
BENZENE	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd
% SURROGATE RECOVERY	108%	74%	84%	82%	92%	98%

* INDICATES 10 TIMES DILUTION

ND INDICATES NOT DETECTED AT DETECTION LIMIT OF 5 UG/KGFOR EACH COMPOUND

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY: Blayne Hartman
4/19/96

teg

QA/QC REPORT - CALIBRATION DATA

DATE: 03/26/96
TEG Project #960326T3
TIOGA 3 (cert #1317)

SUPPLY SOURCE:ACCUSTD 095-203, 075-114
INSTRUMENT: SHIMADZU GC14A PURGE & TRAP

			OPENING STANDARD					CLOSING STANDARD				
COMPOUND	DETECTOR	AVE RF	MASS	RT	AREA	RF	%DIFF	MASS	RT	AREA	RF	%DIFF
CARBON TETRACHLORIDE	HALL	210.2	20	8.0	4153	207.7	1.2%	20	8.0	4097	204.9	2.5%
CHLOROFORM	HALL	171.7	20	7.3	3226	161.3	6.1%	20	7.3	3312	165.6	3.6%
1,1-DICHLORO ETHANE	HALL	153.5	20	5.9	3189	159.5	3.9%	20	5.9	3443	172.2	12.2%
1,2-DICHLORO ETHANE	HALL	175.8	20	8.3	3671	183.6	4.4%	20	8.3	3400	170.0	3.3%
CIS-1,2-DICHLORO ETHENE	PID	6.3	20	6.7	121	6.1	4.1%	20	6.7	112	5.6	11.3%
TRANS-1,2-DICHLORO ETHENE	PID	9.8	20	5.3	181	9.1	7.7%	20	5.3	183	9.2	6.7%
DICHLOROMETHANE	HALL	138.2	20	4.9	2481	124.1	10.3%	20	4.9	2547	127.4	7.9%
TETRACHLORO ETHENE	PID	6.0	20	13.7	118	5.9	2.3%	20	13.7	120	6.0	0.7%
1,1,1,2-TETRACHLORO ETHANE	HALL	127.9	20	16.2	2555	127.8	0.1%	20	16.2	2629	131.5	2.8%
1,1,1-TRICHLORO ETHANE	HALL	177.9	20	7.7	3389	169.5	4.7%	20	7.7	3233	161.7	9.1%
1,1,2-TRICHLORO ETHANE	HALL	95.8	20	13.3	2035	101.8	6.2%	20	13.3	1904	95.2	0.6%
TRICHLORO ETHENE	PID	7.3	20	9.5	143	7.2	2.3%	20	9.5	123	6.2	16.0%
BENZENE	PID	13.5	20	8.3	251	12.6	7.1%	20	8.3	255	12.8	5.6%
CHLOROBENZENE	PID	13.0	20	15.9	249	12.5	3.9%	20	15.9	227	11.4	12.4%
ETHYLBENZENE	PID	11.2	20	16.2	221	11.1	1.5%	20	16.2	222	11.1	1.0%
TOLUENE	PID	13.6	20	12.3	240	12.0	11.9%	20	12.3	268	13.4	1.7%
m&p-XYLENES	PID	13.2	40	16.6	504	12.6	4.4%	40	16.6	525	13.1	0.4%
o-XYLENE	PID	11.8	20	17.7	230	11.5	2.8%	20	17.7	231	11.6	2.3%
BFB	PID	13.7	50	19.2	666	13.3	2.8%	50	19.2	619	12.4	9.6%

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY: Blayne Hartman
4/19/96

teg

QA/QC REPORT - CALIBRATION DATA

DATE: 03/27/96
TEG Project #960326T3
T3 (cert #1317)

SUPPLY SOURCE:ACCUSTD 095-203, 075-114
INSTRUMENT: SHIMADZU GC14A PURGE & TRAP

			OPENING STANDARD					CLOSING STANDARD				
COMPOUND	DETECTOR	AVE RF	MASS	RT	AREA	RF	%DIFF	MASS	RT	AREA	RF	%DIFF
CARBON TETRACHLORIDE	HALL	210.2	20	8.0	4164	208.2	1.0%	20	8.0	4044	202.2	3.8%
CHLOROFORM	HALL	171.7	20	7.3	3282	164.1	4.5%	20	7.3	3231	161.6	5.9%
1,1-DICHLORO ETHANE	HALL	153.5	20	5.9	3274	163.7	6.7%	20	5.9	2840	142.0	7.5%
1,2-DICHLORO ETHANE	HALL	175.8	20	8.3	3406	170.3	3.1%	20	8.3	3410	170.5	3.0%
CIS-1,2-DICHLORO ETHENE	PID	6.3	20	6.7	114	5.7	9.7%	20	6.7	121	6.1	4.1%
TRANS-1,2-DICHLORO ETHENE	PID	9.8	20	5.3	215	10.8	9.6%	20	5.3	202	10.1	3.0%
DICHLOROMETHANE	HALL	138.2	20	4.9	2654	132.7	4.0%	20	4.9	2413	120.7	12.7%
TETRACHLORO ETHENE	PID	6.0	20	13.7	104	5.2	13.9%	20	13.7	116	5.8	4.0%
1,1,1,2-TETRACHLORO ETHANE	HALL	127.9	20	16.2	2561	128.1	0.1%	20	16.2	2464	123.2	3.7%
1,1,1-TRICHLORO ETHANE	HALL	177.9	20	7.7	3370	168.5	5.3%	20	7.7	3489	174.5	1.9%
1,1,2-TRICHLORO ETHANE	HALL	95.8	20	13.3	2038	101.9	6.4%	20	13.3	1972	98.6	3.0%
TRICHLORO ETHENE	PID	7.3	20	9.5	131	6.6	10.5%	20	9.5	153	7.7	4.5%
BENZENE	PID	13.5	20	8.3	256	12.8	5.3%	20	8.3	241	12.1	10.8%
CHLOROBENZENE	PID	13.0	20	15.9	234	11.7	9.7%	20	15.9	248	12.4	4.3%
ETHYLBENZENE	PID	11.2	20	16.2	210	10.5	6.4%	20	16.2	219	11.0	2.4%
TOLUENE	PID	13.6	20	12.3	261	13.1	4.2%	20	12.3	246	12.3	9.7%
m&p-XYLENES	PID	13.2	40	16.6	494	12.4	6.3%	40	16.6	496	12.4	5.9%
o-XYLENE	PID	11.8	20	17.7	231	11.6	2.3%	20	17.7	226	11.3	4.5%
BFB	PID	13.7	50	19.2	662	13.2	3.4%	50	19.2	719	14.4	5.0%

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY: Blayne Hartman
4/19/96

teg

QA/QC REPORT - CALIBRATION DATA

DATE: 03/28/96
TEG Project #960326T3
TIOGA 3 (cert #1317)

SUPPLY SOURCE:ACCUSTD 095-203, 075-114
INSTRUMENT: SHIMADZU GC14A PURGE & TRAP

			OPENING STANDARD					CLOSING STANDARD				
COMPOUND	DETECTOR	AVE RF	MASS	RT	AREA	RF	%DIFF	MASS	RT	AREA	RF	%DIFF
CARBON TETRACHLORIDE	HALL	210.2	20	8.0	4180	209.0	0.6%	20	8.0	4544	227.2	8.1%
CHLOROFORM	HALL	171.7	20	7.3	3400	170.0	1.0%	20	7.3	3629	181.5	5.6%
1,1-DICHLORO ETHANE	HALL	153.5	20	5.9	3114	155.7	1.4%	20	5.9	3256	162.8	6.1%
1,2-DICHLORO ETHANE	HALL	175.8	20	8.3	3543	177.2	0.8%	20	8.3	3717	185.9	5.7%
CIS-1,2-DICHLORO ETHENE	PID	6.3	20	6.7	127	6.4	0.6%	20	6.7	120	6.0	4.9%
TRANS-1,2-DICHLORO ETHENE	PID	9.8	20	5.3	205	10.3	4.5%	20	5.3	186	9.3	5.2%
DICHLOROMETHANE	HALL	138.2	20	4.9	2580	129.0	6.7%	20	4.9	2703	135.2	2.2%
TETRACHLORO ETHENE	PID	6.0	20	13.7	122	6.1	1.0%	20	13.7	117	5.9	3.2%
1,1,1,2-TETRACHLORO ETHANE	HALL	127.9	20	16.2	2865	143.3	12.0%	20	16.2	2425	121.3	5.2%
1,1,1-TRICHLORO ETHANE	HALL	177.9	20	7.7	3431	171.6	3.6%	20	7.7	3712	185.6	4.3%
1,1,2-TRICHLORO ETHANE	HALL	95.8	20	13.3	1996	99.8	4.2%	20	13.3	2045	102.3	6.8%
TRICHLORO ETHENE	PID	7.3	20	9.5	141	7.1	3.7%	20	9.5	136	6.8	7.1%
BENZENE	PID	13.5	20	8.3	265	13.3	1.9%	20	8.3	259	13.0	4.2%
CHLOROBENZENE	PID	13.0	20	15.9	267	13.4	3.0%	20	15.9	255	12.8	1.6%
ETHYLBENZENE	PID	11.2	20	16.2	238	11.9	6.1%	20	16.2	223	11.2	0.6%
TOLUENE	PID	13.6	20	12.3	275	13.8	0.9%	20	12.3	248	12.4	9.0%
m&p-XYLENES	PID	13.2	40	16.6	546	13.7	3.6%	40	16.6	519	13.0	1.5%
o-XYLENE	PID	11.8	20	17.7	256	12.8	8.2%	20	17.7	238	11.9	0.6%
BFB	PID	13.7	50	19.2	764	15.3	11.5%	50	19.2	667	13.3	2.6%

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY: Blayne Hartman
4/19/96

teg

QA/QC REPORT - CALIBRATION DATA

DATE: 04/01/96
TEG Project #960326T3
TIOGA 3 (cert #1317)

SUPPLY SOURCE:ACCUSTD 095-203, 075-114
INSTRUMENT: SHIMADZU GC14A PURGE & TRAP

			OPENING STANDARD					CLOSING STANDARD				
COMPOUND	DETECTOR	AVE RF	MASS	RT	AREA	RF	%DIFF	MASS	RT	AREA	RF	%DIFF
CARBON TETRACHLORIDE	HALL	210.2	20	8.0	4515	225.8	7.4%	20	8.0	4293	214.7	2.1%
CHLOROFORM	HALL	171.7	20	7.3	3667	183.4	6.8%	20	7.3	3342	167.1	2.7%
1,1-DICHLORO ETHANE	HALL	153.5	20	5.9	3037	151.9	1.1%	20	5.9	3650	182.5	18.9%
1,2-DICHLORO ETHANE	HALL	175.8	20	8.3	3941	197.1	12.1%	20	8.3	3831	191.6	9.0%
CIS-1,2-DICHLORO ETHENE	PID	6.3	20	6.7	115	5.8	8.9%	20	6.7	125	6.3	1.0%
TRANS-1,2-DICHLORO ETHENE	PID	9.8	20	5.3	167	8.4	14.9%	20	5.3	173	8.7	11.8%
DICHLOROMETHANE	HALL	138.2	20	4.9	3089	154.5	11.7%	20	4.9	2593	129.7	6.2%
TETRACHLORO ETHENE	PID	6.0	20	13.7	116	5.8	4.0%	20	13.7	118	5.9	2.3%
1,1,1,2-TETRACHLORO ETHANE	HALL	127.9	20	16.2	2909	145.5	13.7%	20	16.2	2436	121.8	4.8%
1,1,1-TRICHLORO ETHANE	HALL	177.9	20	7.7	3689	184.5	3.7%	20	7.7	3490	174.5	1.9%
1,1,2-TRICHLORO ETHANE	HALL	95.8	20	13.3	1862	93.1	2.8%	20	13.3	1924	96.2	0.4%
TRICHLORO ETHENE	PID	7.3	20	9.5	130	6.5	11.2%	20	9.5	179	9.0	22.3%
BENZENE	PID	13.5	20	8.3	232	11.6	14.2%	20	8.3	237	11.9	12.3%
CHLOROBENZENE	PID	13.0	20	15.9	256	12.8	1.2%	20	15.9	267	13.4	3.0%
ETHYLBENZENE	PID	11.2	20	16.2	222	11.1	1.0%	20	16.2	228	11.4	1.6%
TOLUENE	PID	13.6	20	12.3	252	12.6	7.5%	20	12.3	254	12.7	6.8%
m&p-XYLENES	PID	13.2	40	16.6	524	13.1	0.6%	40	16.6	533	13.3	1.1%
o-XYLENE	PID	11.8	20	17.7	236	11.8	0.2%	20	17.7	241	12.1	1.9%
BFB	PID	13.7	50	19.2	713	14.3	4.1%	50	19.2	694	13.9	1.3%

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY: Wayne Hartman 4/19/96

teg

QA/QC REPORT - CALIBRATION DATA

DATE: 04/02/96
TEG Project #960326T3
TIOGA 3 (cert #1317)

SUPPLY SOURCE:ACCUSTD 095-203, 075-114
INSTRUMENT: SHIMADZU GC14A PURGE & TRAP

			OPENING STANDARD					CLOSING STANDARD				
COMPOUND	DETECTOR	AVE RF	MASS	RT	AREA	RF	%DIFF	MASS	RT	AREA	RF	%DIFF
CARBON TETRACHLORIDE	HALL	210.2	20	8.0	4340	217.0	3.2%	20	8.0	3959	198.0	5.8%
CHLOROFORM	HALL	171.7	20	7.3	3446	172.3	0.3%	20	7.3	3256	162.8	5.2%
1,1-DICHLORO ETHANE	HALL	153.5	20	5.9	3358	167.9	9.4%	20	5.9	3627	181.4	18.2%
1,2-DICHLORO ETHANE	HALL	175.8	20	8.3	3496	174.8	0.6%	20	8.3	3778	188.9	7.5%
CIS-1,2-DICHLORO ETHENE	PID	6.3	20	6.7	126	6.3	0.2%	20	6.7	130	6.5	3.0%
TRANS-1,2-DICHLORO ETHENE	PID	9.8	20	5.3	174	8.7	11.3%	20	5.3	175	8.8	10.8%
DICHLOROMETHANE	HALL	138.2	20	4.9	2584	129.2	6.5%	20	4.9	2356	117.8	14.8%
TETRACHLORO ETHENE	PID	6.0	20	13.7	128	6.4	5.9%	20	13.7	128	6.4	5.9%
1,1,1,2-TETRACHLORO ETHANE	HALL	127.9	20	16.2	2615	130.8	2.2%	20	16.2	2490	124.5	2.6%
1,1,1-TRICHLORO ETHANE	HALL	177.9	20	7.7	3387	169.4	4.8%	20	7.7	3246	162.3	8.8%
1,1,2-TRICHLORO ETHANE	HALL	95.8	20	13.3	1761	88.1	8.1%	20	13.3	1712	85.6	10.6%
TRICHLORO ETHENE	PID	7.3	20	9.5	135	6.8	7.8%	20	9.5	142	7.1	3.0%
BENZENE	PID	13.5	20	8.3	250	12.5	7.5%	20	8.3	259	13.0	4.2%
CHLOROBENZENE	PID	13.0	20	15.9	270	13.5	4.2%	20	15.9	279	14.0	7.7%
ETHYLBENZENE	PID	11.2	20	16.2	235	11.8	4.8%	20	16.2	240	12.0	7.0%
TOLUENE	PID	13.6	20	12.3	254	12.7	6.8%	20	12.3	257	12.9	5.7%
m&p-XYLENES	PID	13.2	40	16.6	541	13.5	2.6%	40	16.6	560	14.0	6.2%
o-XYLENE	PID	11.8	20	17.7	247	12.4	4.4%	20	17.7	252	12.6	6.5%
BFB	PID	13.7	50	19.2	827	16.5	20.7%	50	19.2	751	15.0	9.6%

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY:

Blayne Harbman
4/19/96

teg

QA/QC REPORT - CALIBRATION DATA

DATE: 04/03/96
TEG Project #960326T3
TIOGA 3 (cert #1317)

SUPPLY SOURCE:ACCUSTD 095-203, 075-114
INSTRUMENT: SHIMADZU GC14A PURGE & TRAP

			OPENING STANDARD					CLOSING STANDARD				
COMPOUND	DETECTOR	AVE RF	MASS	RT	AREA	RF	%DIFF	MASS	RT	AREA	RF	%DIFF
CARBON TETRACHLORIDE	HALL	210.2	20	8.0	4355	217.8	3.6%	20	8.0	4035	201.8	4.0%
CHLOROFORM	HALL	171.7	20	7.3	3512	175.6	2.2%	20	7.3	3209	160.5	6.6%
1,1-DICHLORO ETHANE	HALL	153.5	20	5.9	2848	142.4	7.2%	20	5.9	3120	156.0	1.6%
1,2-DICHLORO ETHANE	HALL	175.8	20	8.3	3456	172.8	1.7%	20	8.3	3810	190.5	8.4%
CIS-1,2-DICHLORO ETHENE	PID	6.3	20	6.7	134	6.7	6.2%	20	6.7	132	6.6	4.6%
TRANS-1,2-DICHLORO ETHENE	PID	9.8	20	5.3	212	10.6	8.1%	20	5.3	207	10.4	5.5%
DICHLOROMETHANE	HALL	138.2	20	4.9	2980	149.0	7.8%	20	4.9	2824	141.2	2.2%
TETRACHLORO ETHENE	PID	6.0	20	13.7	125	6.3	3.4%	20	13.7	129	6.5	6.8%
1,1,1,2-TETRACHLORO ETHANE	HALL	127.9	20	16.2	2822	141.1	10.3%	20	16.2	2420	121.0	5.4%
1,1,1-TRICHLORO ETHANE	HALL	177.9	20	7.7	3671	183.6	3.2%	20	7.7	3527	176.4	0.9%
1,1,2-TRICHLORO ETHANE	HALL	95.8	20	13.3	1817	90.9	5.1%	20	13.3	1902	95.1	0.7%
TRICHLORO ETHENE	PID	7.3	20	9.5	146	7.3	0.3%	20	9.5	155	7.8	5.9%
BENZENE	PID	13.5	20	8.3	259	13.0	4.2%	20	8.3	272	13.6	0.6%
CHLOROBENZENE	PID	13.0	20	15.9	274	13.7	5.8%	20	15.9	276	13.8	6.5%
ETHYLBENZENE	PID	11.2	20	16.2	245	12.3	9.2%	20	16.2	242	12.1	7.9%
TOLUENE	PID	13.6	20	12.3	272	13.6	0.2%	20	12.3	267	13.4	2.0%
m&p-XYLENES	PID	13.2	40	16.6	552	13.8	4.7%	40	16.6	573	14.3	8.7%
o-XYLENE	PID	11.8	20	17.7	254	12.7	7.4%	20	17.7	251	12.6	6.1%
BFB	PID	13.7	50	19.2	712	14.2	3.9%	50	19.2	733	14.7	7.0%

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY: Blayne Hartman
4/19/96

teg

QA/QC REPORT - CALIBRATION DATA

DATE: 04/04/96
TEG Project #960326T3
TIOGA 3 (cert #1317)

SUPPLY SOURCE:ACCUSTD 095-203, 075-114
INSTRUMENT: SHIMADZU GC14A PURGE & TRAP

			OPENING STANDARD					CLOSING STANDARD				
COMPOUND	DETECTOR	AVE RF	MASS	RT	AREA	RF	%DIFF	MASS	RT	AREA	RF	%DIFF
CARBON TETRACHLORIDE	HALL	66.4	20	8.0	1361	68.1	2.5%	20	8.0	1354	67.7	2.0%
CHLOROFORM	HALL	54.3	20	7.3	1106	55.3	1.9%	20	7.3	1123	56.2	3.4%
1,1-DICHLORO ETHANE	HALL	56.9	20	5.9	1188	59.4	4.3%	20	5.9	1076	53.8	5.5%
1,2-DICHLORO ETHANE	HALL	56.2	20	8.3	1116	55.8	0.8%	20	8.3	1082	54.1	3.8%
CIS-1,2-DICHLORO ETHENE	PID	5.7	20	6.7	108	5.4	4.5%	20	6.7	114	5.7	0.8%
TRANS-1,2-DICHLORO ETHENE	PID	8.3	20	5.3	160	8.0	3.8%	20	5.3	169	8.5	1.6%
DICHLOROMETHANE	HALL	45.8	20	4.9	951	47.6	3.9%	20	4.9	1027	51.4	12.2%
TETRACHLORO ETHENE	PID	5.1	20	13.7	100	5.0	2.4%	20	13.7	104	5.2	1.5%
1,1,1,2-TETRACHLORO ETHANE	HALL	57.0	20	16.2	1112	55.6	2.4%	20	16.2	1059	53.0	7.1%
1,1,1-TRICHLORO ETHANE	HALL	54.8	20	7.7	1133	56.7	3.5%	20	7.7	1238	61.9	13.1%
1,1,2-TRICHLORO ETHANE	HALL	28.5	20	13.3	563	28.2	1.3%	20	13.3	611	30.6	7.1%
TRICHLORO ETHENE	PID	6.1	20	9.5	120	6.0	2.0%	20	9.5	129	6.5	5.3%
BENZENE	PID	11.2	20	8.3	219	11.0	2.5%	20	8.3	220	11.0	2.0%
CHLOROBENZENE	PID	11.6	20	15.9	230	11.5	0.7%	20	15.9	235	11.8	1.5%
ETHYLBENZENE	PID	10.2	20	16.2	201	10.1	1.0%	20	16.2	211	10.6	3.9%
TOLUENE	PID	11.5	20	12.3	220	11.0	4.2%	20	12.3	231	11.6	0.6%
m&p-XYLENES	PID	12.0	40	16.6	469	11.7	2.5%	40	16.6	485	12.1	0.8%
o-XYLENE	PID	10.7	20	17.7	212	10.6	0.8%	20	17.7	218	10.9	2.0%
BFB	PID	13.7	50	19.2	712	14.2	3.9%	50	19.2	733	14.7	7.0%

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY: Wayne Hoffman
4/19/96

teg

QA/QC REPORT - CALIBRATION DATA

DATE: 04/05/96
TEG Project #960326T3
TIOGA 3 (cert #1317)

SUPPLY SOURCE:ACCUSTD 095-203, 075-114
INSTRUMENT: SHIMADZU GC14A PURGE & TRAP

			OPENING STANDARD					CLOSING STANDARD				
COMPOUND	DETECTOR	AVE RF	MASS	RT	AREA	RF	%DIFF	MASS	RT	AREA	RF	%DIFF
CARBON TETRACHLORIDE	HALL	66.4	20	8.0	1459	73.0	9.9%	20	8.0	1233	61.7	7.1%
CHLOROFORM	HALL	54.3	20	7.3	1177	58.9	8.4%	20	7.3	1067	53.4	1.7%
1,1-DICHLORO ETHANE	HALL	56.9	20	5.9	1220	61.0	7.1%	20	5.9	900	45.0	21.0%
1,2-DICHLORO ETHANE	HALL	56.2	20	8.3	1244	62.2	10.6%	20	8.3	1017	50.9	9.6%
CIS-1,2-DICHLORO ETHENE	PID	5.7	20	6.7	119	6.0	5.3%	20	6.7	104	5.2	8.0%
TRANS-1,2-DICHLORO ETHENE	PID	8.3	20	5.3	167	8.4	0.4%	20	5.3	149	7.5	10.4%
DICHLOROMETHANE	HALL	45.8	20	4.9	1020	51.0	11.4%	20	4.9	966	48.3	5.5%
TETRACHLORO ETHENE	PID	5.1	20	13.7	108	5.4	5.4%	20	13.7	101	5.1	1.4%
1,1,1,2-TETRACHLORO ETHANE	HALL	57.0	20	16.2	1142	57.1	0.2%	20	16.2	1124	56.2	1.4%
1,1,1-TRICHLORO ETHANE	HALL	54.8	20	7.7	1162	58.1	6.1%	20	7.7	1075	53.8	1.8%
1,1,2-TRICHLORO ETHANE	HALL	28.5	20	13.3	608	30.4	6.6%	20	13.3	562	28.1	1.5%
TRICHLORO ETHENE	PID	6.1	20	9.5	124	6.2	1.2%	20	9.5	118	5.9	3.7%
BENZENE	PID	11.2	20	8.3	241	12.1	7.3%	20	8.3	198	9.9	11.8%
CHLOROBENZENE	PID	11.6	20	15.9	242	12.1	4.5%	20	15.9	216	10.8	6.7%
ETHYLBENZENE	PID	10.2	20	16.2	214	10.7	5.4%	20	16.2	198	9.9	2.5%
TOLUENE	PID	11.5	20	12.3	241	12.1	4.9%	20	12.3	206	10.3	10.3%
m&p-XYLENES	PID	12.0	40	16.6	501	12.5	4.1%	40	16.6	415	10.4	13.7%
o-XYLENE	PID	10.7	20	17.7	224	11.2	4.8%	20	17.7	189	9.5	11.6%
BFB	PID	13.7	50	19.2	712	14.2	3.9%	50	19.2	541	10.8	21.0%

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY: Blayne Hartman
4/19/96

teg

QA/QC REPORT - SOIL MS/MSD

DATE: 03/26/96
TEG Project #960326T3
TIOGA 3 (cert #1317)

SUPPLY SOURCE:ACCUSTD 095-203, 075-114
INSTRUMENT: SHIMADZU GC14A PURGE & TRAP

COMPOUND	DETECTOR	SPIKE CONC. (UG/KG)	MS RECOV.	%RECOV	MSD RECOV.	%RECOV	RPD
CARBON TETRACHLORIDE	HALL	20	18	90%	20	100%	10.5%
CHLOROFORM	HALL	20	18	90%	21	105%	15.4%
1,1-DICHLORO ETHANE	HALL	20	20	100%	19	95%	5.1%
1,2-DICHLORO ETHANE	HALL	20	18	90%	20	100%	10.5%
CIS-1,2-DICHLORO ETHENE	PID	20	18	90%	18	90%	0.0%
TRANS-1,2-DICHLORO ETHENE	PID	20	19	95%	20	100%	5.1%
DICHLOROMETHANE	HALL	20	19	95%	18	90%	5.4%
TETRACHLORO ETHENE	PID	20	20	100%	20	100%	0.0%
1,1,1,2-TETRACHLORO ETHANE	HALL	20	20	100%	20	100%	0.0%
1,1,1-TRICHLORO ETHANE	HALL	20	18	90%	20	100%	10.5%
1,1,2-TRICHLORO ETHANE	HALL	20	19	95%	20	100%	5.1%
TRICHLORO ETHENE	PID	20	23	115%	27	135%	16.0%
BENZENE	PID	20	18	90%	18	90%	0.0%
CHLOROBENZENE	PID	20	19	95%	19	95%	0.0%
ETHYLBENZENE	PID	20	19	95%	19	95%	0.0%
TOLUENE	PID	20	18	90%	18	90%	0.0%
m&p-XYLENES	PID	40	38	95%	37	93%	2.7%
o-XYLENE	PID	20	19	95%	19	95%	0.0%
SURROGATE	PID	50	49	99%	42	84%	8.0%

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY: Wayne Hartman
4/19/96

teg

QA/QC REPORT - SOIL MS/MSD

DATE: 03/27/96
TEG Project #960326T3
T3 (cert #1317)

SUPPLY SOURCE:ACCUSTD 095-203, 075-114
INSTRUMENT: SHIMADZU GC14A PURGE & TRAP

COMPOUND	DETECTOR	AVE RF	SPIKE CONC. (UG/KG)	MS RECOV.	%RECOV	MSD RECOV.	%RECOV	RPD
CARBON TETRACHLORIDE	HALL	210.2	20	20	100.0%	19	95.0%	5.1%
CHLOROFORM	HALL	171.7	20	20	100.0%	19	95.0%	5.1%
1,1-DICHLORO ETHANE	HALL	153.5	20	20	100.0%	19	95.0%	5.1%
1,2-DICHLORO ETHANE	HALL	175.8	20	19	95.0%	19	95.0%	0.0%
CIS-1,2-DICHLORO ETHENE	PID	6.3	20	18	90.0%	19	95.0%	5.4%
TRANS-1,2-DICHLORO ETHENE	PID	9.8	20	18	90.0%	20	100.0%	10.5%
DICHLOROMETHANE	HALL	138.2	20	17	85.0%	17	85.0%	0.0%
TETRACHLORO ETHENE	PID	6.0	20	20	100.0%	19	95.0%	5.1%
1,1,1,2-TETRACHLORO ETHANE	HALL	127.9	20	20	100.0%	19	95.0%	5.1%
1,1,1-TRICHLORO ETHANE	HALL	177.9	20	19	95.0%	20	100.0%	5.1%
1,1,2-TRICHLORO ETHANE	HALL	95.8	20	20	100.0%	20	100.0%	0.0%
TRICHLORO ETHENE	PID	7.3	20	21	105.0%	21	105.0%	0.0%
BENZENE	PID	13.5	20	17	85.0%	18	90.0%	5.7%
CHLOROBENZENE	PID	13.0	20	20	100.0%	19	95.0%	5.1%
ETHYLBENZENE	PID	11.2	20	20	100.0%	20	100.0%	0.0%
TOLUENE	PID	13.6	20	18	90.0%	18	90.0%	0.0%
m&p-XYLENES	PID	13.2	40	40	100.0%	38	95.0%	5.1%
o-XYLENE	PID	11.8	20	20	100.0%	19	95.0%	5.1%
SURROGATE	PID	17.3	50	50	100.0%	52	101.0%	1.0%

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY: Wayne Hartman
4/19/96

teg

QA/QC REPORT - SOIL MS/MSD

DATE: 03/28/96
TEG Project #960326T3
TIOGA 3 (cert #1317)

SUPPLY SOURCE:ACCUSTD 095-203, 075-114
INSTRUMENT: SHIMADZU GC14A PURGE & TRAP

COMPOUND	DETECTOR	SPIKE CONC. (UG/KG)	MS RECOV.	%RECOV	MSD RECOV.	%RECOV	RPD
CARBON TETRACHLORIDE	HALL	20	21	105.0%	19	95.0%	10.0%
CHLOROFORM	HALL	20	21	105.0%	19	95.0%	10.0%
1,1-DICHLORO ETHANE	HALL	20	21	105.0%	21	105.0%	0.0%
1,2-DICHLORO ETHANE	HALL	20	21	105.0%	20	100.0%	4.9%
CIS-1,2-DICHLORO ETHENE	PID	20	19	95.0%	19	95.0%	0.0%
TRANS-1,2-DICHLORO ETHENE	PID	20	19	95.0%	19	95.0%	0.0%
DICHLOROMETHANE	HALL	20	20	100.0%	18	90.0%	10.5%
TETRACHLORO ETHENE	PID	20	20	100.0%	20	100.0%	0.0%
1,1,1,2-TETRACHLORO ETHANE	HALL	20	19	95.0%	22	110.0%	14.6%
1,1,1-TRICHLORO ETHANE	HALL	20	21	105.0%	18	90.0%	15.4%
1,1,2-TRICHLORO ETHANE	HALL	20	21	105.0%	21	105.0%	0.0%
TRICHLORO ETHENE	PID	20	20	100.0%	20	100.0%	0.0%
BENZENE	PID	20	19	95.0%	18	90.0%	5.4%
CHLOROBENZENE	PID	20	20	100.0%	19	95.0%	5.1%
ETHYLBENZENE	PID	20	20	100.0%	20	100.0%	0.0%
TOLUENE	PID	20	18	90.0%	18	90.0%	0.0%
m&p-XYLENES	PID	40	39	97.5%	39	97.5%	0.0%
o-XYLENE	PID	20	20	100.0%	20	100.0%	0.0%
SURROGATE	PID	50	50	100.0%	50	100.0%	0.0%

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY: Blayne Hartman
4/19/96

teg

QA/QC REPORT - SOIL MS/MSD

DATE: 04/01/96
TEG Project #960326T3
TIOGA 3 (cert #1317)

SUPPLY SOURCE:ACCUSTD 095-203, 075-114
INSTRUMENT: SHIMADZU GC14A PURGE & TRAP

COMPOUND	DETECTOR	SPIKE CONC. (UG/KG)	MS RECOV.	%RECOV	MSD RECOV.	%RECOV	RPD
CARBON TETRACHLORIDE	HALL	20	21	105.0%	20	100.0%	4.9%
CHLOROFORM	HALL	20	20	100.0%	20	100.0%	0.0%
1,1-DICHLORO ETHANE	HALL	20	27	135.0%	24	120.0%	11.8%
1,2-DICHLORO ETHANE	HALL	20	23	115.0%	22	110.0%	4.4%
CIS-1,2-DICHLORO ETHENE	PID	20	17	85.0%	20	100.0%	16.2%
TRANS-1,2-DICHLORO ETHENE	PID	20	15	75.0%	18	90.0%	18.2%
DICHLOROMETHANE	HALL	20	17	85.0%	18	90.0%	5.7%
TETRACHLORO ETHENE	PID	20	20	100.0%	20	100.0%	0.0%
1,1,1,2-TETRACHLORO ETHANE	HALL	20	20	100.0%	19	95.0%	5.1%
1,1,1-TRICHLORO ETHANE	HALL	20	19	95.0%	20	100.0%	5.1%
1,1,2-TRICHLORO ETHANE	HALL	20	17	85.0%	20	100.0%	16.2%
TRICHLORO ETHENE	PID	20	22	110.0%	25	125.0%	12.8%
BENZENE	PID	20	17	85.0%	18	90.0%	5.7%
CHLOROBENZENE	PID	20	18	90.0%	20	100.0%	10.5%
ETHYLBENZENE	PID	20	19	95.0%	20	100.0%	5.1%
TOLUENE	PID	20	17	85.0%	19	95.0%	11.1%
m&p-XYLENES	PID	40	36	90.0%	40	100.0%	10.5%
o-XYLENE	PID	20	19	95.0%	20	100.0%	5.1%
SURROGATE	PID	50	50	100.0%	50	100.0%	0.0%

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY: Wayne Hartman
4/19/96

BOE-C6-0077537

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QA/QC REPORT - SOIL MS/MSD

DATE: 04/02/96
TEG Project #960326T3
TIOGA 3 (cert #1317)

SUPPLY SOURCE:ACCUSTD 095-203, 075-114
INSTRUMENT: SHIMADZU GC14A PURGE & TRAP

COMPOUND	DETECTOR	SPIKE CONC. (UG/KG)	MS RECOV.	%RECOV	MSD RECOV.	%RECOV	RPD
CARBON TETRACHLORIDE	HALL	20	19	95.0%	19	95.0%	0.0%
CHLOROFORM	HALL	20	19	95.0%	19	95.0%	0.0%
1,1-DICHLORO ETHANE	HALL	20	22	110.0%	23	115.0%	4.4%
1,2-DICHLORO ETHANE	HALL	20	19	95.0%	21	105.0%	10.0%
CIS-1,2-DICHLORO ETHENE	PID	20	20	100.0%	20	100.0%	0.0%
TRANS-1,2-DICHLORO ETHENE	PID	20	16	80.0%	18	90.0%	11.8%
DICHLOROMETHANE	HALL	20	18	90.0%	17	85.0%	5.7%
TETRACHLORO ETHENE	PID	20	21	105.0%	21	105.0%	0.0%
1,1,1,2-TETRACHLORO ETHANE	HALL	20	20	100.0%	20	100.0%	0.0%
1,1,1-TRICHLORO ETHANE	HALL	20	19	95.0%	18	90.0%	5.4%
1,1,2-TRICHLORO ETHANE	HALL	20	17	85.0%	18	90.0%	5.7%
TRICHLORO ETHENE	PID	20	20	100.0%	20	100.0%	0.0%
BENZENE	PID	20	18	90.0%	19	95.0%	5.4%
CHLOROBENZENE	PID	20	20	100.0%	21	105.0%	4.9%
ETHYLBENZENE	PID	20	20	100.0%	21	105.0%	4.9%
TOLUENE	PID	20	18	90.0%	21	105.0%	15.4%
m&p-XYLENES	PID	40	40	100.0%	42	105.0%	4.9%
o-XYLENE	PID	20	20	100.0%	21	105.0%	4.9%
SURROGATE	PID	50	59	118.0%	62	121.0%	3.0%

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY: Blayne Hartman
4/19/96

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QA/QC REPORT - SOIL MS/MSD

DATE: 04/03/96
TEG Project #960326T3
TIOGA 3 (cert #1317)

SUPPLY SOURCE:ACCUSTD 095-203, 075-114
INSTRUMENT: SHIMADZU GC14A PURGE & TRAP

COMPOUND	DETECTOR	SPIKE CONC. (UG/KG)	MS RECOV.	%RECOV	MSD RECOV.	%RECOV	RPD
CARBON TETRACHLORIDE	HALL	20	20	100.0%	19	95.0%	5.1%
CHLOROFORM	HALL	20	20	100.0%	19	95.0%	5.1%
1,1-DICHLORO ETHANE	HALL	20	19	95.0%	20	100.0%	5.1%
1,2-DICHLORO ETHANE	HALL	20	20	100.0%	21	105.0%	4.9%
CIS-1,2-DICHLORO ETHENE	PID	20	21	105.0%	21	105.0%	0.0%
TRANS-1,2-DICHLORO ETHENE	PID	20	21	105.0%	21	105.0%	0.0%
DICHLOROMETHANE	HALL	20	21	105.0%	20	100.0%	4.9%
TETRACHLORO ETHENE	PID	20	21	105.0%	21	105.0%	0.0%
1,1,1,2-TETRACHLORO ETHANE	HALL	20	22	110.0%	19	95.0%	14.6%
1,1,1-TRICHLORO ETHANE	HALL	20	20	100.0%	20	100.0%	0.0%
1,1,2-TRICHLORO ETHANE	HALL	20	19	95.0%	20	100.0%	5.1%
TRICHLORO ETHENE	PID	20	21	105.0%	22	110.0%	4.7%
BENZENE	PID	20	19	95.0%	20	100.0%	5.1%
CHLOROBENZENE	PID	20	21	105.0%	21	105.0%	0.0%
ETHYLBENZENE	PID	20	21	105.0%	21	105.0%	0.0%
TOLUENE	PID	20	20	100.0%	20	100.0%	0.0%
m&p-XYLENES	PID	40	41	102.5%	43	107.5%	4.8%
o-XYLENE	PID	20	21	105.0%	21	105.0%	0.0%
SURROGATE	PID	50	52	104.0%	60	120.0%	10.0%

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY: Blayne Hartman
4/19/96

teg

QA/QC REPORT - SOIL MS/MSD

DATE: 04/04/96
TEG Project #960326T3
TIOGA 3 (cert #1317)

SUPPLY SOURCE:ACCUSTD 095-203, 075-114
INSTRUMENT: SHIMADZU GC14A PURGE & TRAP

COMPOUND	DETECTOR	SPIKE CONC. (UG/KG)	MS RECOV.	%RECOV	MSD RECOV.	%RECOV	RPD
CARBON TETRACHLORIDE	HALL	20	20	100.0%	19	95.0%	5.1%
CHLOROFORM	HALL	20	20	100.0%	19	95.0%	5.1%
1,1-DICHLORO ETHANE	HALL	20	19	95.0%	20	100.0%	5.1%
1,2-DICHLORO ETHANE	HALL	20	20	100.0%	21	105.0%	4.9%
CIS-1,2-DICHLORO ETHENE	PID	20	21	105.0%	21	105.0%	0.0%
TRANS-1,2-DICHLORO ETHENE	PID	20	21	105.0%	21	105.0%	0.0%
DICHLOROMETHANE	HALL	20	21	105.0%	20	100.0%	4.9%
TETRACHLORO ETHENE	PID	20	21	105.0%	21	105.0%	0.0%
1,1,1,2-TETRACHLORO ETHANE	HALL	20	22	110.0%	19	95.0%	14.6%
1,1,1-TRICHLORO ETHANE	HALL	20	20	100.0%	20	100.0%	0.0%
1,1,2-TRICHLORO ETHANE	HALL	20	19	95.0%	20	100.0%	5.1%
TRICHLORO ETHENE	PID	20	21	105.0%	22	110.0%	4.7%
BENZENE	PID	20	19	95.0%	20	100.0%	5.1%
CHLOROBENZENE	PID	20	21	105.0%	21	105.0%	0.0%
ETHYLBENZENE	PID	20	21	105.0%	21	105.0%	0.0%
TOLUENE	PID	20	20	100.0%	20	100.0%	0.0%
m&p-XYLENES	PID	40	41	102.5%	43	107.5%	4.8%
o-XYLENE	PID	20	21	105.0%	21	105.0%	0.0%
SURROGATE	PID	50	52	104.0%	60	120.0%	10.0%

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY: Wayne Hartman
4/19/96

teg

QA/QC REPORT - SOIL MS/MSD

DATE: 04/05/96
TEG Project #960326T3
TIOGA 3 (cert #1317)

SUPPLY SOURCE:ACCUSTD 095-203, 075-114
INSTRUMENT: SHIMADZU GC14A PURGE & TRAP

COMPOUND	DETECTOR	SPIKE CONC. (UG/KG)	MS RECOV.	%RECOV	MSD RECOV.	%RECOV	RPD
CARBON TETRACHLORIDE	HALL	20	19	95.0%	19	95.0%	0.0%
CHLOROFORM	HALL	20	19	95.0%	19	95.0%	0.0%
1,1-DICHLORO ETHANE	HALL	20	15	75.0%	16	80.0%	6.5%
1,2-DICHLORO ETHANE	HALL	20	18	90.0%	18	90.0%	0.0%
CIS-1,2-DICHLORO ETHENE	PID	20	17	85.0%	18	90.0%	5.7%
TRANS-1,2-DICHLORO ETHENE	PID	20	17	85.0%	18	90.0%	5.7%
DICHLOROMETHANE	HALL	20	21	105.0%	21	105.0%	0.0%
TETRACHLORO ETHENE	PID	20	16	80.0%	18	90.0%	11.8%
1,1,1,2-TETRACHLORO ETHANE	HALL	20	21	105.0%	20	100.0%	4.9%
1,1,1-TRICHLORO ETHANE	HALL	20	19	95.0%	19	95.0%	0.0%
1,1,2-TRICHLORO ETHANE	HALL	20	22	110.0%	20	100.0%	9.5%
TRICHLORO ETHENE	PID	20	19	95.0%	19	95.0%	0.0%
BENZENE	PID	20	17	85.0%	18	90.0%	5.7%
CHLOROBENZENE	PID	20	16	80.0%	19	95.0%	17.1%
ETHYLBENZENE	PID	20	16	80.0%	19	95.0%	17.1%
TOLUENE	PID	20	18	90.0%	18	90.0%	0.0%
m&p-XYLENES	PID	40	33	82.5%	35	87.5%	5.9%
o-XYLENE	PID	20	16	80.0%	18	90.0%	11.8%
SURROGATE	PID	50	52	104.0%	60	120.0%	10.0%

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)
ANALYSES PERFORMED BY: MR. PATRICK LAO
DATA REVIEWED BY: Wayne Hartman
4/19/96

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
Kennedy/Jenks	Rus Purcell	3/25/96	49640

Address

Telephone Number (Area Code)/Fax Number: (714) 261 1577 261 2134

Lab Number

Page _____ of _____

City | State | Zip Code

Site Contact | Lab Contact

Project Name: DAC C-6 Phase II

Carrier/Waybill Number

Contract/Purchase Order/Quote No.: 954019.01

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Cool	418.1	HOLD	Special Instructions/ Conditions of Receipt
30-2-10	3/26/96	0845			X	X						X	X		
30-2-15		0855											X		
30-2-20		0905											X	X	
30-2-25		0910												X	
30-1-10	3/26/96	0940											X		
30-1-15		0950											X		
30-1-20		0957												X	
30-1-25		1001												X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	3/26/96	1015	1. Received By: [signature]	3-26-96	1015
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077542

ZymaX environmental laboratory

chain of custody

71 zaca lane, suite 110 - san luis obispo, ca 93401 - fax 805/544 8226 - tel 805/544 4696

Project Manager	Rus Pascal
Phone	714/261-1577
Fax	
Company	Kennedy/Jenks
Project Number	954019.01
Address	2151 Michelson, #160 Irvine, CA
Project Name	DAC Phase II
Sampler	Ken Knight

Analysis Requested: 418.1

For ZymaX Use Only	Sample Description	Date Sampled	Time Sampled	Matrix	Preserve	418.1								Remarks
	3F-1-6.0'	3-26-96	830	Soil	None	X								
	3F-1-11.0'		840			X								
	3F-2-5.5'		940			X								
	3F-2-11.0'		950			X								
	3F-3-6.0'		1110			X								
	3F-3-11.0'		1120			X								
	3D-2-6.0'		140			X								
	3D-2-11.0'		155			X								

Special Billing/Comments:

Relinquished by:
Signature: Ken Knight
Print: Ken Knight
Company: Kennedy/Jenks
Date: 3-26-96 Time: 1230

Received by:
Signature: [illegible]
Print: [illegible]
Company: THG
Date: 3-26-96 Time: 1233

Sample Integrity upon receipt:
- Samples received intact
- Samples received cold
- Custody seals
- Correct container types

Relinquished by:
Signature
Print
Company
Date Time

Received for ZymaX by:
Signature
Print
Company
Date Time

Page ___ of ___

BOE-C6-0077543

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
Kennedy/Jenks	Rus Purcell	3/25/96	49648
Address	Telephone Number (Area Code)/Fax Number: (714) 261 1577	Lab Number	Page ____ of ____

City	State	Zip Code	Site Contact	Lab Contact

Project Name: ~~75~~ DAC C-6 Ph2

Carrier/Waybill Number:

Contract/Purchase Order/Quote No.: 95409.01

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Cool	418.1	HOLD	Special Instructions/ Conditions of Receipt
3N-2-10	3/25/96	1600			X								X	X		
3N-2-15		1610												X		
3N-2-20		1615													X	
3N-2-25		1620													X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	3/25/96	1650	1. Received By: [signature]	3/25/96	4:55
2. Relinquished By: [signature]	8:40	3/26/96	2. Received By: [signature]	3-26-96	0852
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077544

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client: Kennedy/Jenks	Project Manager: Rus Purcell	Date: 3/25/96	Chain Of Custody Number: 49650
Address:	Telephone Number (Area Code)/Fax Number: (714) 2611577	Lab Number:	Page ____ of ____
City: / State: / Zip Code:	Site Contact:	Lab Contact:	
Project Name: DAC C-6 Ph 2	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 954019.01			

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Soil	418.1	HOLD	Special Instructions/ Conditions of Receipt
3N-1-10	3/25/96	1450			X								X	X		
3N-1-15		1455												X		
3N-1-20		1500													X	
3N-1-25		1505													X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify):

1. Relinquished By: [signature]	Date: 3/25/96	Time: 1650	1. Received By: [signature]	Date: 3/25/96	Time: 4:50
2. Relinquished By: [signature]	Date: 8:40	Time: 3/26/96	2. Received By: [signature]	Date: 3-26-96	Time: 0851
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments:

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077545

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client: Kennedy/Jenks	Project Manager: Rus Purcell	Date: 3/25/96	Chain Of Custody Number: 49652
Address	Telephone Number (Area Code)/Fax Number: (714) 261 1577	Lab Number	Page ____ of ____
City / State / Zip Code	Site Contact / Lab Contact		
Project Name: DAC C-6 Phase 2	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 954019.01			

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Soil	418.1	HOLD	Special Instructions/ Conditions of Receipt
3M-2-10	3/26/96	1045			X							X	X		
3M-2-15		1100											X		
3M-2-20		1105												X	
3M-2-25		1110												X	
3M-3-10	3/26/96	1150			X							X	X		
3M-3-15		1200											X		
3M-3-20		1205												X	
3M-3-25		1210												X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	3/26/96	1235	1. Received By: [signature]	3-26-96	1236
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077546

CHAIN OF CUSTOD

BC LABORATORIES, INC.
4100 Atlas Court • Bakersfield, CA 93308
(805) 327-4911 • FAX (805) 327-1918

Report To:

Name: Kennedy / Jenks	Project: DAC C-6 Phase II
Address: 2151 Michelson, #100	Project #: 954019.01
City: Irvine	Sampler Name: K. Knight
State: CA Zip: 92715	Other:
Attn: Rus Purcell	
Phone:	

Analysis Requested: 418.1

Lab#	Sample Description	Date & Time Sampled	Matrix (S) Soil (SL) Sludge (W) Water (Other)	418.1	Samples rec. cold (y/n)	Custody Seals (y/n)	Results Needed by: Date & Time	Number and Container Type
	3L-1-16.0	3-25-96 150	S				HOLD	1
	3L-1-21.0	200					HOLD	
	3L-1-26.0	215					HOLD	
	3L-2-6.0			X				
	3L-2-11.0			X				
	3L-2-16.0						HOLD	
	3L-2-21.0						HOLD	
	3L-2-26.0						HOLD	

Comment: Provide Acknowledgement Report ASAP

Sample Disposal
[X] Disposal
[ ] Return to client

Billing Info:
Name: SAME AS ABOVE
Address
City State
Attention:
Time:
Miles:
P.O.#

Relinquished by: (Signature)	Received by: (Signature)	Date: Time:
Ken Knight 4:50	RA Poole	3/25/96 4:50
RA Poole	[illegible]	3/26/96 0901

BOE-C6-0077547

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client: Kennedy/Jenks	Project Manager: Rus Purcell	Date: 3-25-95	Chain Of Custody Number: 49657
Address: 2151 Michelson, # 100	Telephone Number (Area Code)/Fax Number: 714/261-1577	Lab Number	Page 1 of 2
City: Irvine; State: CA; Zip Code: 92715	Site Contact: Rick Pastore	Lab Contact	
Project Name: DAC C-6 Phase II	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 418.1	Special Instructions/ Conditions of Receipt
3I-1-6.0	3-25-96	1110			X		X						X	
3I-1-11.0		1120											X	
3I-1-15.5		1135												HOLD
3I-1-21.0		1200												HOLD
3I-1-26.0		1215												HOLD
3I-2-6.0		935			X		X						X	
3I-2-10.0		950											X	
3I-2-16.0		1005												HOLD
3I-2-21.0		1015												HOLD
3I-2-26.0		1025												HOLD
3L-1-6.0		130											X	
3L-1-11.0		140											X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Ken Mayfield	3-25-96	4:50	1. Received By: [signature]	3/25/96	4:50P
2. Relinquished By: RA Pastore	3/26/96	8:40A	2. Received By: [signature]	3/26/96	0859
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077548

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
	Rus Purcell	3/25/96	49643
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page ____ of ____**
	(714) 261 1577		

City	State	Zip Code	Site Contact	Lab Contact

Project Name	Carrier/Waybill Number
DAC C-6 Phase II	

Contract/Purchase Order/Quote No.: 9540P1.01

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Soil	418.1	HOLD	Special Instructions/ Conditions of Receipt
3K-1-10	3/25/96	1115			X							X	X		
3K-1-15		1130											X		
3K-1-20		1135												X	
3K-1-25		1145												X	
3J-2-10		1230			X								X		
3J-2-15		1240											X		
3J-2-20		1250												X	
3J-2-25		1255												X	
3J-1-10					X							X			
3J-1-15															
3J-1-20														X	
3J-1-25														X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☑ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By	3/25/96	1650	1. Received By	3/25/96	455
2. Relinquished By	3/26/96	8:40	2. Received By	3/26/96	0928
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077549

teg

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY,

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy/Jenks

ADDRESS:

PHONE: (714) 261 1577 FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER: Rus Purcell

DATE: 3/26/96 PAGE ___ OF ___ OUTSIDE LAB #

TEG PROJECT #: 960326KM

LOCATION: DAC C-6 1

COLLECTOR: S. Bartling DATE OF COLLECTION: 3/26/96

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS		HOLD	FIELD NOTES	Total Number Of Containers	Laboratory Note Number
3M-1-10		1325	Soil	Brass Tube					X															1	
3M-1-15		1335							X															1	
3M-1-20		1340																				X		1	
3M-1-25		1345																				X		1	
3K-2-10		1435							X															1	
3K-2-15		1445							X															1	
3K-2-20		1450																				X		1	
3K-2-25		1455																				X		1	
3J-1-10		1545							X															1	
3J-1-15		1550							X															1	
3J-1-20		1600																				X		1	
3J-1-25		1605																				X		1	

RELINQUISHED BY (Signature): Saul Bart DATE/TIME: 3/26/96 1610 RECEIVED BY (Signature): [signature] DATE/TIME: 3-26-96 1614

RELINQUISHED BY (Signature) DATE/TIME RECEIVED BY (Signature) DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

[ ] TEG DISPOSAL @ $2.00 each [ ] Return [ ] Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	12
CHAIN OF CUSTODY SEALS Y/N/NA	NA
SEALS INTACT? Y/N/NA	Y
RECEIVED GOOD COND./COLD	Y
NOTES:	

LABORATORY NOTES:

BOE-C6-0077550

Fed Ex # _____

Cooler # _____

MONTGOMERY LABORATORIES

CHAIN OF CUSTODY RECORD

DESTINATION: ~~MONTGOMERY LABORATORIES~~ ☐

~~OTHER:~~ TRG Mobil Lab ☒

PROJECT NAME: DAC C6 Phase II

PROJECT JOB #: 954019.01

SAMPLER(S): PRINTED NAME AND SIGNATURE: Ken Knight

ANALYSES REQUIRED

TIME	DATE	LOCATION	IDENTIFIER	QA/QC	GRAB	COMP	NUMBER/SIZE OF CONTAINERS	418.1										REMARKS
3320	3-26		3A-1-6.0'		X		(1) 1" brass	X										
340			3A-1-11.0'					X										
445			3A-2-6.0'					X										
455			3A-2-11.5'					X										
845	3-27		4-6.0'					X										
900	3-27		4-11.0'					X										

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Ken Knight	Ken Knight	Kennedy / Jenks - geologist	3-27	1040
RECEIVED BY:	[signature]	JIM LIGGITT	TRG	3-27-96	1040
RELINQUISHED BY:					
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY (LAB):					

C-O-C No.

ORIGINAL COPY: SEND WITH SAMPLE YELLOW COPY: RETAINED BY SAMPLER PINK: OFFICE COPY

PAGE 1 OF 1

BOE-C6-0077551

teg

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY,

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy Jenks

DATE: 4-4-96 PAGE 1 OF 12 OUTSIDE LAB #

ADDRESS:

TEG PROJECT # :

PHONE: FAX:

LOCATION: Douglas Aircraft

CLIENT PROJECT #: 954019.01 PROJECT MANAGER: COLLECTOR: DATE OF COLLECTION:

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS	Hold	FIELD NOTES	Total Number Of Containers	Laboratory Number
3G-20	20		Soil	1" brass																	X			
3G-25	25																				X			
11A-5	5							X																
11A-10	10							X																
11A-15	15																				X			
11A-20	20																				X			
11A-25	25																				X			
11B-5	5							X																
11B-10	10							X																
11B-15	15																				X			
11B-20	20																				X			
11B-25	25																				X			
13A-5	5							X																
13A-10	10							X																
13A-15	15																				X			
13A-20	20																				X			
13A-25	25																				X			

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
[signature]	4-4-96 1532	[signature]	4-4-96 1532
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

CHAIN OF CUSTODY SEALS Y/N/NA

SEALS INTACT? Y/N/NA

RECEIVED GOOD COND./COLD

NOTES:

LABORATORY NOTES:

BOE-C6-0077552

teg

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY,

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy Jenks

ADDRESS:

PHONE: FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER:

DATE: 4-4-96 PAGE 1 OF OUTSIDE LAB #

TEG PROJECT #:

LOCATION: Douglas

COLLECTOR: Jay Kuth DATE OF COLLECTION: 4-3,4

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS	Hold			FIELD NOTES	Total Number Of Containers	Laboratory Number
3E1-5	5		Soil	1" brass	✓	✓			✓																	
3E1-10	10				✓	✓			✓																	
3E1-15	15																				✓					
3E1-20	20																				✓					
3E1-25	25																				✓					
3E2-5	5				✓	✓			✓																	
3E2-10	10				✓	✓			✓																	
3E2-15	15																				✓					
3E2-20	20																				✓					
3E2-25	25																				✓					
3H-5	5				✓	✓			✓																	
3H-10	10				✓	✓			✓																	
3H-15	15																				✓					
3H-20	20																				✓					
3H-25	25																				✓					
3G-5	5				✓	✓			✓																	
3G-10	10				✓	✓			✓																	
3G-15	15																				✓					

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Jay Kuth	4-4-96 0822	[illegible]	4-4-96 0822
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

CHAIN OF CUSTODY SEALS Y/N/NA

SEALS INTACT? Y/N/NA

RECEIVED GOOD COND./COLD

NOTES:

LABORATORY NOTES:

BOE-C6-0077553

KENNEDY/JENKS CONSULTANTS

SAMPLE CHAIN-OF-CUSTODY ANALYSIS REQUEST

☐ 200 New Stine Rd., #115, Bakersfield, CA 93309
☐ 530 South 336th St., Federal Way, WA 98003
☐ 17310 Red Hill Ave., #220, Irvine, CA 92714
☐ 2191 East Bayshore Rd., #200, Palo Alto, CA 94303
☐ 6190 Neil Road, #300, Reno, NV 89502
☐ 3336 Bradshaw Rd., #140, Sacramento, CA 95827
☐ 303 Second St., San Francisco, CA 94107
☐ 1000 Hill Rd., #200, Ventura, CA 93003

POSSIBLE HAZARDS:

Date 4/5/96 Report To Rick Astore

Source of Samples DAC Company Kennedy / Jenks

Sampler Name Shane Scrimshire Address

Phone 714-261-1577

Project No. 954019.01 Phone 714-261-1577

Lab Destination

Address

Phone

Carrier/Way Bill No.

(1) Lab ID No.	(1) Client ID No.	COLLECTION Date	COLLECTION Time	(2) Type	Depth	(3) Comp.	(4) Pres.	Turn-around	(5) ANALYSES REQUESTED: 8010/8020	418.1							Comment/Conditions (Container type, container number, etc.)
	9A-5	4/5/96	1225	S	5'		ice		X	X							1- 2x6" Brass sleeve
	9A-10	"	1250	"	10'		"		X	X							"

(1) Write only one sample number in each space.
(2) Specify type of sample(s): Water (W), Solid (S), or indicate type.
(3) Mark each sample which should be composited in Laboratory as follows: Place an "A" in box for each sample that should be composited into one sample; use sequential letter for additional groups.
(4) Preservation of sample.
(5) Write each analyses requested across top. Place an "X" in appropriate column to indicate type of analysis needed for each sample.

SAMPLE RELINQUISHED BY:

Print Name	Signature	Company	Date	Time
Shane Scrimshire	[signature]	K/J	4/5/96	1213

SAMPLE RECEIVED BY:

Print Name	Signature	Company	Date	Time
Patrick Leo	[signature]	TEG	4/5/96	1313

\MISC\CUSTODY2.FRM

000065.06

BOE-C6-0077554

teg

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy Jenks

DATE: 4-5-96 PAGE 1 OF 1 OUTSIDE LAB #

ADDRESS:

TEG PROJECT #:

PHONE: FAX:

LOCATION: Douglas Aircraft

CLIENT PROJECT #: 954019.01 PROJECT MANAGER:

COLLECTOR: Jay Ritt

DATE OF COLLECTION: 4-5-96

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS	Hold pending results		FIELD NOTES	Total Number Of Containers	Laboratory Number
12C-25	25				X	X														X			Run 8010/8020	D.A	
12B-5	5									X														1	
12B-10	10									X														1	
12B-15	15									X														1	
12B-20	20									X														1	
12B-25	25									X														1	
12A-5										X														1	
12A-10										X														1	
12A-15										X														1	
12A-20																				X				1	
12A-25																				X				1	

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Jay Ritt	4-5-96 1310	[illegible]	4-5-96 1310
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	11
CHAIN OF CUSTODY SEALS Y/N/NA	NA
SEALS INTACT? Y/N/NA	NA
RECEIVED GOOD COND./COLD	GC
NOTES:	

LABORATORY NOTES:

BOE-C6-0077555

teg

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY

CHAIN-OF-CUSTODY RECORD

P.O. #: _____

CLIENT: K & J DATE: _____ PAGE ____ OF ____ OUTSIDE LAB # _____

ADDRESS: _____ TEG PROJECT # : _____

PHONE: _____ FAX: _____ LOCATION: _____

CLIENT PROJECT # : _____ PROJECT MANAGER: _____ COLLECTOR: _____ DATE OF COLLECTION: _____

	Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS	HOLD	FIELD NOTES	Total Number Of Containers	Laboratory Number
	13B-5	5		S	SLEEVE					X															
	13B-10	10		S	↓					X															
	13B-15	15		S	↓					X															
	13B-20	20		S	↓					X															
	13B-25	25		S	↓					X															
0408 14	15-5	5		S	SLEEVE	X	X			X															
0408 14	15-10	10		S	↓	X	X			X															
0408 14	15-15	15		S	↓																X				

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
[signature]	4/5/96 9:50 AM	[signature]	9:50
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

LABORATORY NOTES:

BOE-C6-0077556

teg

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY,

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy Jenks

DATE: 4-5-96 PAGE 1 OF 1 OUTSIDE LAB #

ADDRESS:

TEG PROJECT # :

PHONE: FAX:

LOCATION: Douglas

CLIENT PROJECT #: 954019.01 PROJECT MANAGER: COLLECTOR: Jay Knight

DATE OF COLLECTION: 4-5-96

	Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS	Hold			FIELD NOTES	Total Number Of Containers	Laboratory Number
on QB	15 L4 20																					X					
on QB	15 L4 25																					X					
	12C-5					X	X			X																	
	12C-10					X	X			X																	
	12C-15					X	X															X			Run 8010/8020	p.c	
	12C-20					X	X															X			Run 8010 8020	p.c	

CHANGE 4/5 SAMPLES 15- to 14-
PER
JAY KNIGHT 4/9

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Jay Knight	4-5-96 1212	Nina Lane	4/5/96 12
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE REC
TOTAL NUMBER OF CO
CHAIN OF CUSTODY SE
SEALS INTACT? Y/N/NA
RECEIVED GOOD COND./COLD
NOTES:

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

BOE-C6-0077557

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, teg

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy Jenks

ADDRESS:

PHONE: FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER:

DATE: 4-3-96 PAGE 1 OF 1 OUTSIDE LAB #

TEG PROJECT #:

LOCATION: Douglas Aircraft

COLLECTOR: Jay Kuth DATE OF COLLECTION: 4-2

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS	Hold	FIELD NOTES	Total Number Of Containers	Laboratory Note Number
3B2-18	4-2-96		Soil	1" brass	✓	✓		✓																
3B2-23					✓	✓		✓																
3B2-28																				✓				
3B2-33																				✓				
3C1-10					✓	✓		✓																
3C1-15					✓	✓		✓																
3C1-20																				✓				
3C1-25																				✓				
3C1-30																				✓				
3C1-35																				✓				

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Jay Kuth	4-3-96 0725	[illegible]	4-3-96 0725
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

CHAIN OF CUSTODY SEALS Y/N/NA

SEALS INTACT? Y/N/NA

RECEIVED GOOD COND./COLD

NOTES:

LABORATORY NOTES:

BOE-C6-0077558

teg

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy Jenks

ADDRESS:

PHONE: FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER:

DATE: 4-3-96 PAGE 1 OF 1 OUTSIDE LAB #

TEG PROJECT #:

LOCATION: Douglas

COLLECTOR: Jay Kyle DATE OF COLLECTION: 4-3

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS	Hold			FIELD NOTES	Total Number Of Containers	Laboratory Note Number
3C2-10	10		soil	1" brass	✓	✓			✓																	
3C2-15	15				✓	✓			✓																	
3C2-20	20																				✓					
3C2-25	25																				✓					
3C2-30	30																				✓					
3C2-35	35																				✓					
3D1-13	13				✓	✓			✓																	
3D1-18	18				✓	✓			✓																	
3D1-23	23																				✓					
3D1-28	28																				✓					
3D1-33	33																				✓					

RELINQUISHED BY: (Signature) DATE/TIME 4-3-96 1322 RECEIVED BY: (Signature) DATE/TIME 4-3-96 1322

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

CHAIN OF CUSTODY SEALS Y/N/NA

SEALS INTACT? Y/N/NA

RECEIVED GOOD COND./COLD

NOTES:

LABORATORY NOTES:

BOE-C6-0077559

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy Jenks

ADDRESS:

PHONE: FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER:

DATE: 4-2-96 PAGE 1 OF 1 OUTSIDE LAB #

TEG PROJECT #: 9603

LOCATION: Doug/ass

COLLECTOR: Jay Kyle DATE OF COLLECTION: 4-2

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS	Hold				FIELD NOTES	Total Number Of Containers	Laboratory Note Number
16-5	5	0910	Soil	1" brass	✓	✓																				1	
16-10	10	0925			✓	✓																				1	
16-15	15	0935																		✓						1	
16-20	20	0950																		✓						1	
16-25	25	1008																		✓						1	
8-5	5	1041			✓	✓		✓																		1	
8-10	10	1050			✓	✓		✓																		1	
8-15	15	1100																		✓						1	
8-20	20	1208																		✓						1	
8-25	25	1230																		✓						1	

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Jay Kyle	4-2-96 1250	[illegible]	4-2-96 1250
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	10
CHAIN OF CUSTODY SEALS Y/N/NA	NA
SEALS INTACT? Y/N/NA	Y
RECEIVED GOOD COND./COLD	Y
NOTES:	

LABORATORY NOTES:

BOE-C6-0077560

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, teg

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy Jenks

ADDRESS:

PHONE: FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER:

DATE: 4-2-96 PAGE 1 OF 1

TEG PROJECT #:

LOCATION: Douglass Aircraft

COLLECTOR: Jay Kuth DATE OF COLLECTION: 4-2

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	Hold	FIELD NOTES	Total Number Of Containers	Laboratory Note Number
2B-5	5	0740	soil	1" brass	✓	✓			✓														
2B-10	10	0750	↓	↓	✓	✓			✓														
2B-15	15	0808																	✓				
2B-20	20	0819																	✓				
2B-25	25	0842																	✓				

RELINQUISHED BY: (Signature) Jay Kuth DATE/TIME 4-2-96 0855 RECEIVED BY: (Signature) [signature] DATE/TIME 4-2-96 0855

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

CHAIN OF CUSTODY SEALS Y/N/NA

SEALS INTACT? Y/N/NA

RECEIVED GOOD COND./COLD

NOTES:

LABORATORY NOTES:

BOE-C6-0077561

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY,

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy / Jenks

ADDRESS:

PHONE: FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER:

DATE: 4-1-96 PAGE 1 OF 1

TEG PROJECT #: 96 0326 T3

LOCATION: Douglass

COLLECTOR: Jay Kft DATE OF COLLECTION:

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	Hold				FIELD NOTES	Total Number Of Containers	Laboratory Note Number
2A-5	5	1509		1" brass	✓	✓			✓																	
2A-10	10	1521		"	✓	✓			✓																	
2A-15	15	1535		"	X	X													✓					Run 8010/8020		
2A-20	20	1550		"	X	X													✓					Run 8010/8020		
2A-25	25	1610		"	X	X													✓					Run 8010/8020		

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Jay Kft	4-1-96 1625	[illegible]	4-1-96 1625
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

CHAIN OF CUSTODY SEALS Y/N/NA

SEALS INTACT? Y/N/NA

RECEIVED GOOD COND./COLD

NOTES:

LABORATORY NOTES:

BOE-C6-0077562

teg

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY,

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy / Jenks

ADDRESS:

PHONE: FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER:

DATE: 4-1-96 PAGE 1 OF 1 OUTSIDE LAB # T-3

TEG PROJECT #: 960326T3

LOCATION: Douglas

COLLECTOR: Jay Kopf DATE OF COLLECTION: 4-1-96

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS	Hold				FIELD NOTES	Total Number Of Containers	Laboratory Note Number
1-5	5	1238	Soil	1" brass	✓	✓			✓																		
1-10	10	1246			✓	✓			✓																		
1-15	15	1300			X	X														✓							
1-20	20	1315			X	X														✓							
1-25	25	1330			X	X														✓							
6-5	5	1400			✓	✓			✓																		
6-10	10	1408			✓	✓			✓																		
6-15	15	1420																		✓							
6-20	20	1437																		✓							
6-25	25	1455																		✓							

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Jay Kopf	4-1-96 1505	[illegible]	4-1-96 1505
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

CHAIN OF CUSTODY SEALS Y/N/NA

SEALS INTACT? Y/N/NA

RECEIVED GOOD COND./COLD

NOTES:

LABORATORY NOTES:

BOE-C6-0077563

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy/Jenks

ADDRESS:

PHONE: FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER:

DATE: 04-01-96 PAGE 1 OF 1

TEG PROJECT #: 960326T3

LOCATION: Douglass

COLLECTOR: Jay [illegible] DATE OF COLLECTION: 4-1-96

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	Hold				FIELD NOTES	Total Number Of Containers	Laboratory Note Number
15-05	5'	1012	Soil	1" brass	✓	✓			✓																	
15-10	10'	1025	↓	↓	✓	✓			✓																	
15-15	15'	1038			X	X													✓					Run 8010/8020	JK	
15-20	20'	1052			X	X													✓					Run 8010/8020	JK	
15-25	25'	1111	↓	↓	X	X													✓					Run 8010/8020	JK	

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Jay [illegible]	4-1-96 1120	[illegible]	4-1-96 1120
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

CHAIN OF CUSTODY SEALS Y/N/NA

SEALS INTACT? Y/N/NA

RECEIVED GOOD COND./COLD

NOTES:

LABORATORY NOTES:

BOE-C6-0077564

teg

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY,

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy/Jenks

ADDRESS:

PHONE: FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER:

DATE: 4-1-96 PAGE 1 OF 1 OUTSIDE LAB # T-3

TEG PROJECT #: 960326 T3

LOCATION: Douglass

COLLECTOR: Jay Knietta DATE OF COLLECTION: 4-1-96

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS	Hold	FIELD NOTES	Total Number Of Containers	Laboratory Note Number
17-5'	5	0825	soil	1" brass	✓	✓		✓																
17-10'	10	0850	↓	↓	✓	✓		✓																
17-15	15	0906	↓	↓	X	X		X												✓		Run 8010/8020 P.L	JK	
17-20	20	0922	↓	↓	X	X		X												✓		Run 8010/8020 P.L	JK	
17-25	25	0940	↓	↓	X	X	X	X												✓		Run 8010/8020 P.L	JK	

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Jay Knietta	4-1-96 1017	[illegible]	4/1/96 10:17
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

CHAIN OF CUSTODY SEALS Y/N/NA

SEALS INTACT? Y/N/NA

RECEIVED GOOD COND./COLD

NOTES:

LABORATORY NOTES:

BOE-C6-0077565

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, teg

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy Jenks

ADDRESS:

PHONE: FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER:

DATE: 4-5-96 PAGE 1 OF 1

TEG PROJECT #: 960408-10 / 960226.02

LOCATION: Douglas

COLLECTOR: Jay Kraft DATE OF COLLECTION: 4-5-96

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	FIELD NOTES	Total Number Of Containers	Laboratory Note Number
5A-35	35		Soil	1" brass				X													1	
5B-35	35		"	"				X													1	

RELINQUISHED BY: (Signature) Jay Kraft DATE/TIME 4-5-96 1639 RECEIVED BY: (Signature) DATE/TIME 4-5-96 1639

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

CHAIN OF CUSTODY SEALS Y/N/NA

SEALS INTACT? Y/N/NA

RECEIVED GOOD COND./COLD

NOTES:

LABORATORY NOTES:

BOE-C6-0077566

Fed Ex # _____

Cooler # _____

MONTGOMERY LABORATORIES

CHAIN OF CUSTODY RECORD

DESTINATION: ~~MONTGOMERY LABORATORIES~~ ☐

OTHER: TEG Mobil Lab ☒

PROJECT NAME: DAC C-6 Phase II

PROJECT JOB #: 954019.01

SAMPLER(S): PRINTED NAME AND SIGNATURE: Ken Knight Ken Knight

ANALYSES REQUIRED: 8010/8020

TIME	DATE	LOCATION	IDENTIFIER	QA/QC	GRAB	COMP	NUMBER/SIZE OF CONTAINERS	8010/8020	REMARKS
830	3-26		3F-1-5.5'		X		(1) 1" brass	X	
840			3F-1-10.5'					X	
940			3F-2-5.0'					X	
950			3F-2-10.5'					X	
1110			3F-3-5.5'					X	
1120			3F-3-10.5'					X	
~~850~~			~~3F-1-15.5~~						HOLD
~~900~~			~~3F-1-20.5~~						
~~910~~			~~3F-1-25.5~~						
~~1000~~			~~3F-2-15.5'~~						
~~1015~~			~~3F-2-20.5'~~						
~~1030~~			~~3F-2-25.5'~~						
~~1130~~			~~3F-3-15.5'~~						

Ken Knight 3-27-96 Patrick

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Ken Knight	Ken Knight	Kennedy / Jenks - geologist	3/26/96	1215
RECEIVED BY:	Patrick Lao	Patrick Lao	TEG	3/26/96	12:15
RELINQUISHED BY:					
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY (LAB):					

C-O-C No.

ORIGINAL COPY: SEND WITH SAMPLE YELLOW COPY: RETAINED BY SAMPLER PINK: OFFICE COPY

PAGE_____ OF _____

BOE-C6-0077567

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
Kennedy / Jenks	Russ Powell	3/25/96	55403

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page ____ of ____
	(714) 261-5771		

City	State	Zip Code	Site Contact	Lab Contact

Project Name	Carrier/Waybill Number
DAC C-6 Phase 2	

Contract/Purchase Order/Quote No.: 9540M.01

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		8240/8260	8010										Special Instructions/ Conditions of Receipt
3M-2-10	3/26/96	1045			X								X	X											
3M-2-15		1100												X											
3M-2-20		1105													X										
3M-2-25		1110													X										
3M-3-10	3/26/96	1150			X									X											
3M-3-15		1200												X											
3M-3-20		1205													X										
3M-3-25		1210													X										
																X									

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	3/26/96	12:30	1. Received By: [signature]	3/26/96	12:30
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077568

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
Kennedy/Jenks	Rus Powell	3/26/96	49651
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page ____ of ____**
	(714) 761 1577		

City	State	Zip Code	Site Contact	Lab Contact

Project Name	Carrier/Waybill Number
DAC C-10 Ph 2	

Contract/Purchase Order/Quote No.: 954019.01

Analysis (Attach list if more space is needed): 8010/8020, TPH

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Cool	8010/8020	TPH	Special Instructions/ Conditions of Receipt
30-1-10	3/26/96	0940			X								X		
30-1-15		0950											X		
30-1-20		0957											X	X	Run 8010/8020
30-1-25		1001											X	X	Run 8010/8020

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	3/26/96	1020	1. Received By: [signature]	3/26/96	10:20
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077569

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
	Ben Powell	3/25/96	49647
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page ____ of ____**
	(714) 261-1577		

City	State	Zip Code	Site Contact	Lab Contact

Project Name	Carrier/Waybill Number
DAC C-6 Phase 2	

Contract/Purchase Order/Quote No.: 934019.01

Analysis (Attach list if more space is needed): 8010/8020; 8270

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Cool	8010/8020	8270
3N-2-10	3/25/96	1600			X								X	X	
3N-2-15		1610												X	
3N-2-20		1615													X
3N-2-25		1620													X

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	3/25/96	1650	1. Received By: [signature]	3/25/96	1650
2. Relinquished By: [signature]	3/26/96	9:30	2. Received By: [signature]	3/26/96	9:20
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077570

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
Kennedy/Jenks	Bill Purcell	3/25/96	49639
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page ____ of ____**
	(714) 261 1577 261 2134		

City	State	Zip Code	Site Contact	Lab Contact

Project Name	Carrier/Waybill Number
DAC C-6 Phase II	

Contract/Purchase Order/Quote No.: 954019.01

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Col.	8010/8020	8015											Special Instructions/ Conditions of Receipt
30-2-10	3/26/96	0945			X		X						X	X												
30-2-15		0955												X												
30-2-20		0905												X	X											Run 8010/8020 pl
30-2-25		0910												X	X											Run 8010/8020 pl
30-1-10														X												
30-1-15														X												
30-1-20															X											
30-1-25															X											

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: [signature]	3/26/96	0932	1. Received By: [signature]	3/26/96	0932
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077571

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY

CHAIN-OF-CUSTODY RECORD

P.O. #: 954019.01

CLIENT: Kennedy/Jenks

ADDRESS:

PHONE: (714) 2611577 FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER: Rus Purcell

DATE: 3/26/96 PAGE ___ OF ___ OUTSIDE LAB #

TEG PROJECT #:

LOCATION: DAC - C-6

COLLECTOR: S. Bartling DATE OF COLLECTION: 3/26/96

Sample Number	Depth	Time	Sample Type	Container Type	VOA 8010	VOA 8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS	HOLD				FIELD NOTES	Total Number Of Containers	Laboratory Note Number
3M-1-10		1325	Soil	Brass Tube	X	X																					
3M-1-15		1335			X	X																					
3M-1-20		1340																		X							
3M-1-25		1345																		X							
3J-1-10		1545			X	X																					
3J-1-15		1550			X	X																					
3J-1-20		1600																		X							
3J-1-25		1605																		X							
3K-2-10		1435			X	X																					
3K-2-15		1445			X	X																					
3K-2-20		1450			X	X														X					Run 8010/8020 P.C		
3K-2-25		1455			X	X														X					Run 8010/8020 P.C		

RELINQUISHED BY: (Signature) S. Bart DATE/TIME 3/26/96 1435 RECEIVED BY: (Signature) [signature] DATE/TIME 3/26/96 1435

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

CHAIN OF CUSTODY SEALS Y/N/NA

SEALS INTACT? Y/N/NA

RECEIVED GOOD COND./COLD

NOTES:

LABORATORY NOTES:

BOE-C6-0077572

Fed Ex # _____

Cooler # _____

MONTGOMERY LABORATORIES

CHAIN OF CUSTODY RECORD

DESTINATION: ~~MONTGOMERY LABORATORIES~~ ☐

OTHER: TEG Mobil Lab ☒

PROJECT NAME: DAC C6 Phase II

PROJECT JOB #: 950019.01

SAMPLER(S): PRINTED NAME AND SIGNATURE: Ken Knight

TIME	DATE	LOCATION	IDENTIFIER	QA/QC	GRAB	COMP	NUMBER/SIZE OF CONTAINERS	8010/8020										REMARKS
140	3-26		3D-2 – 5.5'		X		(1) 1" brass	X										
155			3D-2 – 10.5'					X										
330			3A-1 – 5.5'					X										
340			3A-1 – 10.5'					X										
445			3A-2 – 5.5'					X										
455			3A-2 – 11.0'					X										
845	3-27		4-5.5'					X										
900	3-27		4-10.5'					X										

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RELINQUISHED BY:	Ken Knight	KEN KNIGHT	Kennedy/Jenks - geologist	3-27	1050
RECEIVED BY:	[illegible]	Patrick Lao	TEG	3-27	1050
RELINQUISHED BY:					
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY (LAB):					

C-O-C No.

ORIGINAL COPY: SEND WITH SAMPLE YELLOW COPY: RETAINED BY SAMPLER PINK: OFFICE COPY

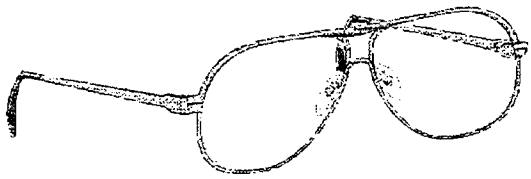
PAGE 1 OF 1

BOE-C6-0077573

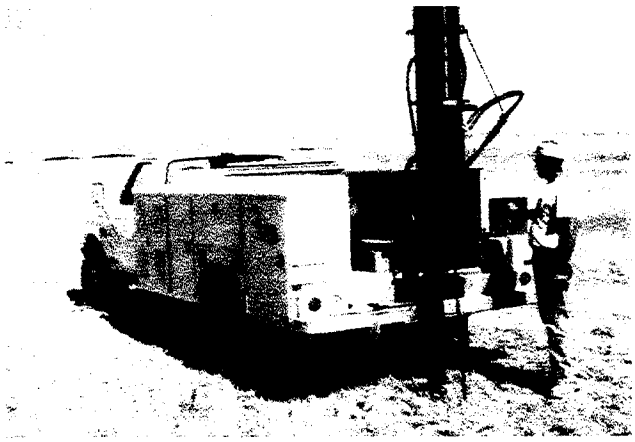
.....A message from your friends at TEG.....

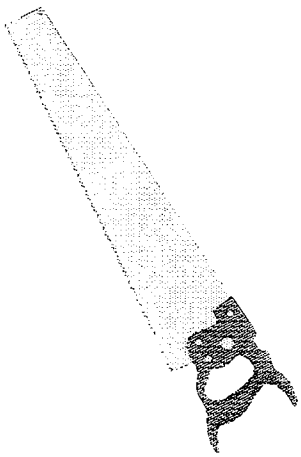
Have your sampling projects been stopped by the high cost of traditional drill rig sampling?

Are you still looking for a reliable, cost effective sampling tool?



Then call TEG.





Our *Strataprobe* "direct push" sampling technology will cut your costs and provide you with the samples you want without the waste.

For more information or to receive a quotation, call us at 800-522-9834.

teg

Transglobal Environmental Geosampling, Inc.
Phone Toll Free: 800-522-9834 Fax: 619-793-0404

TEG INTRODUCES NATURAL ATTENUATION

NEW PRODUCT INTRODUCTION

TECHNICAL BULLETIN

NATURAL ATTENUATION STUDIES

Despite the interest in determining the effectiveness of anaerobic bacterial degradation, Natural Attenuation of hydrocarbon plumes has been poorly understood and documented. TEG recently developed an analysis approach to quantify Natural Attenuation. This approach is expected to provide valuable information for risk based assessments and for measuring the effectiveness of bioremediation projects.

TEG's Natural Attenuation study assumes a straight forward contaminant model: aerobic oxidation of hydrocarbons occurs on the fringes of the contaminant plume; anaerobic conditions prevail within the plume. The anaerobic conditions contribute to bacterial degradation of hydrocarbons reducing nitrate and sulfate and producing CO2 and methane. These chemicals can be measured to determine the extent which Natural Attenuation will occur over time.

TEG, the industry leader in sampling and analysis, offers a unique and rigorous strategy for measuring Natural Attenuation:

FIELD SAMPLING AND ANALYTICAL TECHNIQUES

- VACUUM STRIPPING OF GAS FROM WATER
- OPTIMAL COLLECTION PERIOD USING SENSORS TO MONITOR GAS COMPOSITION
- ISOTOPE RATIO DETERMINATION OF CO2 AND METHANE
- BTEX AND OTHER VAPOR ANALYSIS

INTERPRETATION TECHNIQUES

- CONTENT AND ISOTOPE RATIOS OF NITRATE AND SULFATE
- CONTENT AND ISOTOPE RATIOS OF CO2 AND METHANE
- QUANTIFICATION ESTIMATES OF BIODEGRATION RATES USING CO2 AND CH4

teg

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY
432 North Cedros Avenue
Solana Beach, CA 92075
CALL FOR DETAILS
619 793-0401 or 619 793-0404 fax

Appendix C2

Quanterra
Environmental Services

Quanterra Incorporated
1721 South Grand Avenue
Santa Ana, California 92705

714 258-8610 Telephone
714 258-0921 Fax

April 27, 1996

KENNEDY/JENKS CONSULTANTS
2151 MICHELSON DRIVE
SUITE 100
IRVINE, CA 92715
ATTN: MR. RICK PASTORE

LIMS NO.: 117907-0001/0020
DATE SAMPLED: 1-APR-1996
DATE SAMPLE REC'D: 1-APR-1996
PROJECT: DOUGLAS AIRCRAFT
(954019.01)

Enclosed with this letter is the report containing the analytical results for the project specified above.

The Narrative section included in the following attachment provides a detailed description of all events that occurred during sample processing, analysis, and data review as applicable to the samples and analytical methods requested.

Report data sheets contain a list of the requested constituents measured in each test, the analytical results, and the standard reporting limits (RLs). Reporting limits are adjusted to reflect any dilution or dry weight correction, when applicable. Solid and waste matrix samples are reported on an "as received" basis for this report. Also provided in this report are the LIMS Report Key and the terms and abbreviations commonly used in our reports.

Preliminary data were provided on April 12, 1996 at 10:55 AM to Rick Pastore.

The report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions regarding the data provided in this report, please call Pat Abe at (714) 258-8610. Release of this report has been authorized by the Lab Director or the designee as demonstrated by the following signature.

Sincerely,

Project Manager

cc: Project File

BOE-C6-0077577

LIMS REPORT KEY

Quanterra Environmental Services

Section	Description
Cover letter	Signature page, report narrative as applicable.
Sample Description Information	Tabulated cross-reference between the Lab ID and Client ID, including matrix, date and time sampled and the date received for all samples in the project.
Sample Analysis Results Sheets	Lists sample results, test components, reporting limits, dates prepared and analyzed and any data qualifiers. Pages are organized by test.
QC Lot Assignment Report	Cross-reference between lab IDs and applicable QC batches (DCS, LCS, SCS, Blank, MS/SD, DU)
Duplicate Control Sample Report	Percent recovery and RPD results, with acceptance limits, for the laboratory Duplicate Control Samples for each test are tabulated in this report. These are measures of accuracy and precision for each test.
Laboratory Control Sample Report	Percent recovery results for a single Laboratory Control Sample (if applicable) are tabulated in this report, with the applicable acceptance limits for each test.
Matrix Spike/Matrix Spike Duplicate Report	Percent recovery and RPD results for matrix-specific QC samples and acceptance limits, where applicable. This report can be used to assess matrix effects on an analysis.
Single Control Sample Report	A tabulation of the surrogate recoveries for the blank for organic analyses.
Method Blank Report	A summary of the results of the analysis of the method blank for each test.

List of Abbreviations and Terms

DCS	Duplicate Control Sample	MSD	Matrix Spike Duplicate
DU	Sample Duplicate	QC Run	Preparation batch
EB	Equipment Blank	QC Category	LIMS QC Category
FB	Field Blank	QC Lot	DCS batch
FD	Field Duplicate	ND	Not Detected at the reporting limit expressed
IDL	Instrument Detection Limit	QC Matrix	Matrix of the laboratory control sample (s)
LCS	Laboratory Control Sample	RL	Reporting Limit
MB	Method Blank	QC	Quality Control
MDL	Method Detection Limit	SA	Sample
MS	Matrix Spike	SD	See MSD
RPD	Relative Percent Difference	TB	Trip Blank
ppm (parts-per-million)	mg/L or mg/kg	ppb (parts-per-billion)	μg/L or μg/kg
QUAL	Qualifier flag	DIL	Dilution Factor

Refer to the Quanterra Incorporated Quality Assurance Management Plan for detailed explanations of terms summarized above.

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CASE NARRATIVE

LIMS # 117907

I. CONDITION UPON RECEIPT

Coolers were received intact. The temperature of the cooler was 3.6°C.

Sample containers were received intact. Sample container was not received but listed on the chain-of-custody (COC) documentation. Sample container labels did agree with the COC as to sample ID, collection date/time, and requested tests.

Samples were received in time to meet the method holding time specifications. Any discrepancies identified upon sample receipt have been forwarded to the client and are documented on log-in form. Due to an error in the computer system, sample 117907-0016 was analyzed for hexavelent chromium past the hold time.

II. METALS (BY METHOD: SW6010; SW7000 Series; etc.)

HOLDING TIME
All samples were prepared and analyzed within the method-specified holding time requirements.

METHOD BLANK
All method blank data met method- and/or project-specific QC criteria.

MS/MSD/LCS/DCS AND RPDs
All spike recovery and RPD data met method- and/or project-specific QC criteria.

CALIBRATIONS
All calibrations and calibration verifications met method- and/or project-specific QC criteria.

SAMPLE RESULTS
Please note that the preliminary results faxed for sample 117907-0017 (6-10) was mislabeled and should have been labelled as -0016. Please use results in the final report.

III. GENERAL CHEMISTRY (BY METHOD: SW7196)

HOLDING TIME
All samples were prepared and analyzed within the method-specified holding time requirements, except sample 117907-0016. This sample was analyzed outside the holding time due to an error in computer system; Kennedy/Jenks was informed on April 23, 1996.

METHOD BLANK
All method blanks met method- and/or project-specific QC criteria.

MS/MSD/LCS/DCS AND RPDs
All spike recovery and RPD data met method- and/or project-specific QC criteria.

CALIBRATIONS
All calibrations and calibration verifications met method- and/or project-specific QC criteria.

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client: Kennedy/Jenks	Project Manager	Date: 4-1-96	Chain Of Custody Number: 49427
Address	Telephone Number (Area Code)/Fax Number	Lab Number: 117907	Page 1 of 2
City / State / Zip Code	Site Contact	Lab Contact	
Project Name: Douglass Aircraft	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 954019.01			

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	6010 (metals)	hold	Special Instructions/ Conditions of Receipt
17-5	4-1-96				✓							X		
17-10	↓				↓							X		
17-15													X	
17-20													X	
17-25													X	
15-5												X		
15-10												X		
15-15													X	
15-20													X	
15-25													X	
1-5												X		
1-10	↓				✓	↓						X		

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	4-1-96	1530	1. Received By: [signature] Stinson	4/1/96	15:30
2. Relinquished By: [signature] Stinson	4/1/96	1625	2. Received By: [signature] K. FREITAG	4/1/96	1625
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077581

Chain of Custody Record

QUA-4124-1

Quanterra Environmental Services

Client: Kennedy / Jenks	Project Manager	Date: 4-1-96	Chain Of Custody Number: 49426
Address	Telephone Number (Area Code)/Fax Number	Lab Number: 117907	Page 2 of 2
City / State / Zip Code	Site Contact / Lab Contact		
Project Name: Douglass Aircraft	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 954019.01			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): 6010 (metals)	hold	Special Instructions/ Conditions of Receipt
1-15	4-1-96				✓		✓							X	
1-20	↓				↓		↓							X	
1-25														X	
~~6-1~~ JK															
6-5													X		
6-10													X		
6-15														X	
6-20														X	
6-25	↓				↓		↓							X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Jay Fitz	4-1-96	1530	1. Received By: M. Stinson	4/1/96	1530
2. Relinquished By: M. Stinson	4/1/96	1625	2. Received By: K. Freitag	4/1/96	1625
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077582

Quanterra
Environmental Services

SAMPLE DESCRIPTION INFORMATION
for
Kennedy/Jenks Consultants

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
117907-0001-SA	17-5	SOIL	01 APR 96		01 APR 96
117907-0002-SA	17-10	SOIL	01 APR 96		01 APR 96
117907-0003-SA	17-15	SOIL	01 APR 96		01 APR 96
117907-0004-SA	17-20	SOIL	01 APR 96		01 APR 96
117907-0005-SA	17-25	SOIL	01 APR 96		01 APR 96
117907-0006-SA	15-5	SOIL	01 APR 96		01 APR 96
117907-0007-SA	15-10	SOIL	01 APR 96		01 APR 96
117907-0008-SA	15-15	SOIL	01 APR 96		01 APR 96
117907-0009-SA	15-20	SOIL	01 APR 96		01 APR 96
117907-0010-SA	15-25	SOIL	01 APR 96		01 APR 96
117907-0011-SA	1-5	SOIL	01 APR 96		01 APR 96
117907-0012-SA	1-10	SOIL	01 APR 96		01 APR 96
117907-0013-SA	1-15	SOIL	01 APR 96		01 APR 96
117907-0014-SA	1-20	SOIL	01 APR 96		01 APR 96
117907-0015-SA	1-25	SOIL	01 APR 96		01 APR 96
117907-0016-SA	6-10	SOIL	01 APR 96		01 APR 96
117907-0017-SA	6-5	SOIL	01 APR 96		01 APR 96
117907-0018-SA	6-15	SOIL	01 APR 96		01 APR 96
117907-0019-SA	6-20	SOIL	01 APR 96		01 APR 96
117907-0020-SA	6-25	SOIL	01 APR 96		01 APR 96

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 17-5
LAB ID: 117907-0001-SA
Matrix: SOIL — Sampled: 01 APR 96 — Received: 01 APR 96
Authorized: 01 APR 96 — Prepared: See Below — Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	05 APR 96	09 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	05 APR 96	09 APR 96
Barium	192		1.0	20.0	mg/kg	SW6010	05 APR 96	09 APR 96
Beryllium	0.81		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium	31.4		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cobalt	16.8		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Copper	27.4		1.0	2.5	mg/kg	SW6010	05 APR 96	09 APR 96
Lead	7.3		1.0	0.30	mg/kg	SW6010	05 APR 96	09 APR 96
Mercury	0.040		1.0	0.040	mg/kg	SW7471	08 APR 96	09 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Nickel	20.0		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	05 APR 96	09 APR 96
Vanadium	53.2		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Zinc	60.9		1.0	2.0	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium, Hexavalent	ND	F	1.0	0.10	mg/kg	SW7196	02 APR 96	02 APR 96

F = Reported value estimated due to an interference.
ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 17-10
LAB ID: 117907-0002-SA
Matrix: SOIL — Sampled: 01 APR 96 — Received: 01 APR 96
Authorized: 01 APR 96 — Prepared: See Below — Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	05 APR 96	09 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	05 APR 96	09 APR 96
Barium	131		1.0	20.0	mg/kg	SW6010	05 APR 96	09 APR 96
Beryllium	0.69		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium	35.0		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cobalt	19.1		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Copper	33.7		1.0	2.5	mg/kg	SW6010	05 APR 96	09 APR 96
Lead	7.0		1.0	0.30	mg/kg	SW6010	05 APR 96	09 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	08 APR 96	09 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Nickel	19.7		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	05 APR 96	09 APR 96
Vanadium	56.9		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Zinc	69.4		1.0	2.0	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium, Hexavalent	ND	F	1.0	0.10	mg/kg	SW7196	02 APR 96	02 APR 96

F = Reported value estimated due to an interference.
ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 15-5
LAB ID: 117907-0006-SA
Matrix: SOIL Sampled: 01 APR 96 Received: 01 APR 96
Authorized: 01 APR 96 Prepared: See Below Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	05 APR 96	09 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	05 APR 96	09 APR 96
Barium	290		1.0	20.0	mg/kg	SW6010	05 APR 96	09 APR 96
Beryllium	1.2		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cadmium	0.36		1.0	0.20	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium	37.6		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cobalt	28.1		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Copper	31.8		1.0	2.5	mg/kg	SW6010	05 APR 96	09 APR 96
Lead	7.1		1.0	0.30	mg/kg	SW6010	05 APR 96	09 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	08 APR 96	09 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Nickel	19.7		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Selenium	0.66		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	05 APR 96	09 APR 96
Vanadium	68.9		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Zinc	86.2		1.0	2.0	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	02 APR 96	02 APR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 15-10
LAB ID: 117907-0007-SA
Matrix: SOIL — Sampled: 01 APR 96 — Received: 01 APR 96
Authorized: 01 APR 96 — Prepared: See Below — Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	05 APR 96	09 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	05 APR 96	09 APR 96
Barium	151		1.0	20.0	mg/kg	SW6010	05 APR 96	09 APR 96
Beryllium	0.86		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cadmium	0.31		1.0	0.20	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium	37.7		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cobalt	17.8		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Copper	38.5		1.0	2.5	mg/kg	SW6010	05 APR 96	09 APR 96
Lead	6.7		1.0	0.30	mg/kg	SW6010	05 APR 96	09 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	08 APR 96	09 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Nickel	30.7		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	05 APR 96	09 APR 96
Vanadium	67.5		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Zinc	87.7		1.0	2.0	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium, Hexavalent	ND	F	1.0	0.10	mg/kg	SW7196	02 APR 96	02 APR 96

F = Reported value estimated due to an interference.
ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 1-5
LAB ID: 117907-0011-SA
Matrix: SOIL — Sampled: 01 APR 96 — Received: 01 APR 96
Authorized: 01 APR 96 — Prepared: See Below — Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	05 APR 96	09 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	05 APR 96	09 APR 96
Barium	124		1.0	20.0	mg/kg	SW6010	05 APR 96	09 APR 96
Beryllium	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cadmium	0.26		1.0	0.20	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium	19.8		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cobalt	13.4		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Copper	28.5		1.0	2.5	mg/kg	SW6010	05 APR 96	09 APR 96
Lead	5.7		1.0	0.30	mg/kg	SW6010	05 APR 96	09 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	08 APR 96	09 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Nickel	70.1		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	05 APR 96	09 APR 96
Vanadium	37.0		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Zinc	48.1		1.0	2.0	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium, Hexavalent	ND	F	1.0	0.10	mg/kg	SW7196	02 APR 96	02 APR 96

F = Reported value estimated due to an interference.
ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 1-10
LAB ID: 117907-0012-SA
Matrix: SOIL — Sampled: 01 APR 96 — Received: 01 APR 96
Authorized: 01 APR 96 — Prepared: See Below — Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	05 APR 96	09 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	05 APR 96	09 APR 96
Barium	142		1.0	20.0	mg/kg	SW6010	05 APR 96	09 APR 96
Beryllium	0.72		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium	30.8		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cobalt	23.0		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Copper	29.7		1.0	2.5	mg/kg	SW6010	05 APR 96	09 APR 96
Lead	6.6		1.0	0.30	mg/kg	SW6010	05 APR 96	09 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	08 APR 96	09 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Nickel	21.6		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	05 APR 96	09 APR 96
Vanadium	63.0		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Zinc	88.3		1.0	2.0	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	02 APR 96	02 APR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 6-10
LAB ID: 117907-0016-SA
Matrix: SOIL Sampled: 01 APR 96 Received: 01 APR 96
Authorized: 01 APR 96 Prepared: See Below Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	23 APR 96	26 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	23 APR 96	26 APR 96
Barium	130		1.0	20.0	mg/kg	SW6010	23 APR 96	26 APR 96
Beryllium	0.71		1.0	0.50	mg/kg	SW6010	23 APR 96	26 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	23 APR 96	26 APR 96
Chromium	32.3		1.0	0.50	mg/kg	SW6010	23 APR 96	26 APR 96
Cobalt	18.7		1.0	5.0	mg/kg	SW6010	23 APR 96	26 APR 96
Copper	35.5		1.0	2.5	mg/kg	SW6010	23 APR 96	26 APR 96
Lead	7.3		1.0	0.30	mg/kg	SW6010	23 APR 96	26 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	25 APR 96	25 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	23 APR 96	26 APR 96
Nickel	25.1		1.0	4.0	mg/kg	SW6010	23 APR 96	26 APR 96
Selenium	0.86		1.0	0.50	mg/kg	SW6010	23 APR 96	26 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	23 APR 96	26 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	23 APR 96	26 APR 96
Vanadium	66.8		1.0	5.0	mg/kg	SW6010	23 APR 96	26 APR 96
Zinc	91.5		1.0	2.0	mg/kg	SW6010	23 APR 96	26 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	24 APR 96	24 APR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 6-5
LAB ID: 117907-0017-SA
Matrix: SOIL Sampled: 01 APR 96 Received: 01 APR 96
Authorized: 01 APR 96 Prepared: See Below Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	05 APR 96	09 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	05 APR 96	09 APR 96
Barium	161		1.0	20.0	mg/kg	SW6010	05 APR 96	09 APR 96
Beryllium	0.64		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium	26.1		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cobalt	15.1		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Copper	20.3		1.0	2.5	mg/kg	SW6010	05 APR 96	09 APR 96
Lead	5.5		1.0	0.30	mg/kg	SW6010	05 APR 96	09 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	08 APR 96	09 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Nickel	19.6		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	05 APR 96	09 APR 96
Vanadium	59.6		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Zinc	68.8		1.0	2.0	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium, Hexavalent	ND	F	1.0	0.10	mg/kg	SW7196	02 APR 96	02 APR 96

F = Reported value estimated due to an interference.
ND = Not Detected

Quanterra
Environmental Services

QC LOT ASSIGNMENT REPORT - MS QC
Metals Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK/LCS)	MS QC Run Number (SA,MS,SD,DU)
117907-0001-SA	SOLID	ICP-S		05 APR 96-AX	05 APR 96-AA
117907-0001-SA	SOLID	HG-CVAA-S		08 APR 96-HX	08 APR 96-HA
117907-0002-SA	SOLID	ICP-S		05 APR 96-AX	05 APR 96-AA
117907-0002-SA	SOLID	HG-CVAA-S		08 APR 96-HX	08 APR 96-HA
117907-0006-SA	SOLID	ICP-S		05 APR 96-AX	05 APR 96-AA
117907-0006-SA	SOLID	HG-CVAA-S		08 APR 96-HX	08 APR 96-HA
117907-0007-SA	SOLID	ICP-S		05 APR 96-AX	05 APR 96-AA
117907-0007-SA	SOLID	HG-CVAA-S		08 APR 96-HX	08 APR 96-HA
117907-0011-SA	SOLID	ICP-S		05 APR 96-AX	05 APR 96-AA
117907-0011-SA	SOLID	HG-CVAA-S		08 APR 96-HX	08 APR 96-HA
117907-0012-SA	SOLID	ICP-S		05 APR 96-AX	05 APR 96-AA
117907-0012-SA	SOLID	HG-CVAA-S		08 APR 96-HX	08 APR 96-HA
117907-0016-SA	SOLID	ICP-S		23 APR 96-BX	23 APR 96-BB
117907-0016-SA	SOLID	HG-CVAA-S		25 APR 96-AX	25 APR 96-AA
117907-0017-SA	SOLID	ICP-S		05 APR 96-AX	05 APR 96-AA
117907-0017-SA	SOLID	HG-CVAA-S		08 APR 96-HX	08 APR 96-HA

Quanterra Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Metals Analysis and Preparation
Project: 117907

Category: ICP-S ICP Metals
Matrix: SOLID
Date Analyzed: 09 APR 96
QC Run: 05 APR 96-AX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Antimony	50.0	45.2	90	70-110
Arsenic	200	184	92	75-110
Barium	200	197	99	85-115
Beryllium	5.00	4.87	97	80-115
Cadmium	5.00	4.96	99	80-115
Chromium	20.0	20.5	102	85-120
Cobalt	50.0	50.2	100	85-120
Copper	25.0	24.4	98	85-115
Lead	50.0	49.3	99	80-110
Molybdenum	100	99.5	100	80-115
Nickel	50.0	50.4	101	85-115
Selenium	200	177	89	70-105
Silver	5.00	4.80	96	80-110
Thallium	200	194	97	80-110
Vanadium	50.0	49.9	100	85-115
Zinc	50.0	48.9	98	80-115

Category: ICP-S ICP Metals
Matrix: SOLID
Date Analyzed: 26 APR 96
QC Run: 23 APR 96-BX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Antimony	50.0	47.3	95	70-110
Arsenic	200	197	98	75-110
Barium	200	189	94	85-115
Beryllium	5.00	4.97	99	80-115
Cadmium	5.00	5.29	106	80-115
Chromium	20.0	20.6	103	85-120
Cobalt	50.0	51.9	104	85-120
Copper	25.0	23.0	92	85-115
Lead	50.0	52.9	106	80-110
Molybdenum	100	101	101	80-115
Nickel	50.0	52.2	104	85-115
Selenium	200	193	97	70-105
Silver	5.00	4.75	95	80-110
Thallium	200	205	102	80-110
Vanadium	50.0	49.6	99	85-115
Zinc	50.0	51.5	103	80-115

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Metals Analysis and Preparation (cont.)
Project: 117907

Category: HG-CVAA-S Mercury by CVAA
Matrix: SOLID Date Analyzed: 09 APR 96
QC Run: 08 APR 96-HX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.750	0.730	97	80-120

Category: HG-CVAA-S Mercury by CVAA
Matrix: SOLID Date Analyzed: 25 APR 96
QC Run: 25 APR 96-AX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.750	0.693	92	80-120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra Environmental Services

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Metals Analysis and Preparation
Project: 117907

Category: ICP-S ICP Metals
Matrix: SOLID
Sample: 117907-0001
MS Run: 05 APR 96-AA
Units: mg/kg

Analyte	Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
		Concentration							
Antimony	ND	10.2 n	11.9 n	50.0	20	24	16	70-110	20
Arsenic	ND	177	177	200	88	88	0.2	75-110	20
Barium	192	371	406	200	89	107	18	85-115	20
Beryllium	0.807	5.46	5.53	5.00	93	94	1.3	80-115	20
Cadmium	ND	4.56	4.55	5.00	91	91	0.0	80-115	20
Chromium	31.4	46.8 n	47.2 n	20.0	77	79	2.5	85-120	20
Cobalt	16.8	59.1 n	72.9	50.0	84	112	28	85-120	20
Copper	27.4	49.2	49.0	25.0	87	87	1.0	85-115	20
Lead	7.33	52.8	53.9	50.0	91	93	2.3	80-110	20
Molybdenum	ND	85.3	89.0	100	85	89	4.2	80-115	20
Nickel	20.0	64.4	69.3	50.0	89	99	10	85-115	20
Selenium	ND	169	166	200	85	83	1.7	70-105	20
Silver	ND	4.66	4.42	5.00	93	88	5.1	80-110	20
Thallium	ND	178	177	200	89	88	0.7	80-110	20
Vanadium	53.2	102	110	50.0	98	113	14	85-115	20
Zinc	60.9	98.6 n	96.5 n	50.0	75	71	5.9	80-115	20

Category: ICP-S ICP Metals
Matrix: SOLID
Sample: 117907-0016
MS Run: 23 APR 96-BB
Units: mg/kg

Analyte	Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
		Concentration							
Antimony	ND	11.5 n	13.9 n	50.0	23	28	19	70-110	20
Arsenic	ND	186	189	200	93	95	1.8	75-110	20
Barium	130	306	337	200	88	103	16	85-115	20
Beryllium	0.711	5.41	5.54	5.00	94	96	2.7	80-115	20
Cadmium	ND	4.90	5.06	5.00	98	101	3.2	80-115	20
Chromium	32.3	52.8	50.4	20.0	103	91	13	85-120	20
Cobalt	18.7	65.2	66.3	50.0	93	95	2.3	85-120	20
Copper	35.5	56.1 n	57.2	25.0	82	87	5.1	85-115	20
Lead	7.30	54.5	56.7	50.0	94	99	4.5	80-110	20

= Spiked analyte out of matrix spike acceptance limits; refer to lab control sample results.
) = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra Environmental Services

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Metals Analysis and Preparation
Project: 117907 (cont.)

Category: ICP-S ICP Metals
Matrix: SOLID
Sample: 117907-0016
MS Run: 23 APR 96-BB (cont.)
Units: mg/kg

Analyte	Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
		Concentration							
Molybdenum	ND	87.2	89.9	100	87	90	3.1	80-115	20
Nickel	25.1	72.4	74.9	50.0	95	100	5.2	85-115	20
Selenium	0.861	179	182	200	89	91	1.6	70-105	20
Silver	ND	4.44	4.48	5.00	89	90	0.9	80-110	20
Thallium	ND	184	188	200	92	94	2.1	80-110	20
Vanadium	66.8	113	108 n	50.0	93	82	13	85-115	20
Zinc	91.5	128 n	131 n	50.0	74	78	6.5	80-115	20

Category: HG-CVAA-S Mercury by CVAA
Matrix: SOLID
Sample: 117907-0001
MS Run: 08 APR 96-HA
Units mg/kg Units Qualifier: Wet wt.

Analyte	Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
		Concentration							
Mercury	ND	0.778	0.767	0.750	104	102	1.4	80-120	20

Category: HG-CVAA-S Mercury by CVAA
Matrix: SOLID
Sample: 118238-0007
MS Run: 25 APR 96-AA
Units mg/kg Units Qualifier: Wet wt.

Analyte	Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
		Concentration							
Mercury	ND	0.713	0.698	0.750	95	93	2.1	80-120	20

= Spiked analyte out of matrix spike acceptance limits; refer to lab control sample results.
D = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra Environmental Services

METHOD BLANK REPORT
Metals Analysis and Preparation
Project: 117907

Test: ICPT-CAM-S Method 6010 - CAM TTLC Metals
Matrix: SOLID
QC Run: 05 APR 96-AX Date Analyzed: 09 APR 96

Analyte	Result	Units	Reporting Limit
Antimony	ND	mg/kg	1.0
Arsenic	ND	mg/kg	10.0
Barium	ND	mg/kg	20.0
Beryllium	ND	mg/kg	0.50
Cadmium	ND	mg/kg	0.20
Chromium	ND	mg/kg	0.50
Cobalt	ND	mg/kg	5.0
Copper	ND	mg/kg	2.5
Lead	ND	mg/kg	0.30
Molybdenum	ND	mg/kg	4.0
Nickel	ND	mg/kg	4.0
Selenium	ND	mg/kg	0.50
Silver	ND	mg/kg	0.50
Thallium	ND	mg/kg	200
Vanadium	ND	mg/kg	5.0
Zinc	ND	mg/kg	2.0

QC Run: 23 APR 96-BX Date Analyzed: 26 APR 96

Analyte	Result	Units	Reporting Limit
Antimony	ND	mg/kg	1.0
Arsenic	ND	mg/kg	10.0
Barium	ND	mg/kg	20.0
Beryllium	ND	mg/kg	0.50
Cadmium	ND	mg/kg	0.20
Chromium	ND	mg/kg	0.50
Cobalt	ND	mg/kg	5.0
Copper	ND	mg/kg	2.5
Lead	ND	mg/kg	0.30
Molybdenum	ND	mg/kg	4.0
Nickel	ND	mg/kg	4.0
Selenium	ND	mg/kg	0.50
Silver	ND	mg/kg	0.50
Thallium	ND	mg/kg	200
Vanadium	ND	mg/kg	5.0
Zinc	ND	mg/kg	2.0

ND = Not Detected

Quanterra Environmental Services

METHOD BLANK REPORT
Metals Analysis and Preparation (cont.)
Project: 117907

Test: HG-CVAA-S Method 7471 - Mercury, Cold Vapor AA
Matrix: SOLID
QC Run: 08 APR 96-HX Date Analyzed: 09 APR 96

Analyte	Result	Units	Reporting Limit
Mercury	ND	mg/kg	0.040

QC Run: 25 APR 96-AX Date Analyzed: 25 APR 96

Analyte	Result	Units	Reporting Limit
Mercury	ND	mg/kg	0.040

ND = Not Detected

Quanterra
Environmental Services

QC LOT ASSIGNMENT REPORT - MS QC
Wet Chemistry Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK/LCS)	MS QC Run Number (SA,MS,SD,DU)
117907-0001-SA	SOLID	CR6-S		02 APR 96-BX	02 APR 96-BA
117907-0002-SA	SOLID	CR6-S		02 APR 96-BX	02 APR 96-BA
117907-0006-SA	SOLID	CR6-S		02 APR 96-BX	02 APR 96-BA
117907-0007-SA	SOLID	CR6-S		02 APR 96-BX	02 APR 96-BA
117907-0011-SA	SOLID	CR6-S		02 APR 96-BX	02 APR 96-BA
117907-0012-SA	SOLID	CR6-S		02 APR 96-BX	02 APR 96-BA
117907-0016-SA	SOLID	CR6-S		24 APR 96-AX	24 APR 96-AA
117907-0017-SA	SOLID	CR6-S		02 APR 96-BX	02 APR 96-BA

Quanterra Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Wet Chemistry Analysis and Preparation
Project: 117907

Category: CR6-S Method 7196 - Chromium, Hexavalent
Matrix: SOLID Date Analyzed: 02 APR 96
QC Run: 02 APR 96-BX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Chromium, Hexavalent	0.250	0.258	103	70-122

Category: CR6-S Method 7196 - Chromium, Hexavalent
Matrix: SOLID Date Analyzed: 24 APR 96
QC Run: 24 APR 96-AX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Chromium, Hexavalent	0.250	0.244	98	70-122

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra Environmental Services

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Wet Chemistry Analysis and Preparation
Project: 117907

Category: CR6-S Method 7196 - Chromium, Hexavalent
Matrix: SOLID
Sample: 117907-0012
MS Run: 02 APR 96-BA
Units: mg/kg

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Chromium, Hexavalent	ND	0.197	0.192	0.250	79	77	2.6	33-136	41

Category: CR6-S Method 7196 - Chromium, Hexavalent
Matrix: SOLID
Sample: 117907-0016
MS Run: 24 APR 96-AA
Units: mg/kg

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Chromium, Hexavalent	ND	0.190	0.206	0.250	76	82	8.1	33-136	41

ND = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

METHOD BLANK REPORT
Wet Chemistry Analysis and Preparation
Project: 117907

Test: CR6-S Method 7196 - Chromium, Hexavalent
Matrix: SOLID
QC Run: 02 APR 96-BX Date Analyzed: 02 APR 96

Analyte	Result	Units	Reporting Limit
Chromium, Hexavalent	ND	mg/kg	0.10

QC Run: 24 APR 96-AX Date Analyzed: 24 APR 96

Analyte	Result	Units	Reporting Limit
Chromium, Hexavalent	ND	mg/kg	0.10

ND = Not Detected

Appendix C3

Quanterra
Environmental Services

Quanterra Incorporated
1721 South Grand Avenue
Santa Ana, California 92705

714 258-8610 Telephone
714 258-0921 Fax

April 24, 1996

KENNEDY/JENKS CONSULTANTS
2151 MICHELSON DRIVE
SUITE 100
IRVINE, CA 92715
ATTN: MR. RICK PASTORE

LIMS NO.: 117927-0001/0024
DATE SAMPLED: 01/02-APR-1996
DATE SAMPLE REC'D: 02-APR-1996
PROJECT: 954019.01 / DAC PHASE II

Enclosed with this letter is the report containing the analytical results for the project specified above.

The Narrative section included in the following attachment provides a detailed description of all events that occurred during sample processing, analysis, and data review as applicable to the samples and analytical methods requested.

Report data sheets contain a list of the requested constituents measured in each test, the analytical results, and the standard reporting limits (RLs). Reporting limits are adjusted to reflect any dilution or dry weight correction, when applicable. Solid and waste matrix samples are reported on an "as received" basis for this report. Also provided in this report are the LIMS Report Key and the terms and abbreviations commonly used in our reports.

Preliminary data were provided on April 9, 1996 at 7:49PM for PCB results and on April 12, 1996 at 11:05AM for metals and on April 15, 1996 at 11:30AM for general chemistry to Rick Pastore.

The report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions regarding the data provided in this report, please call Pat Abe at (714) 258-8610. Release of this report has been authorized by the Lab Director or the designee as demonstrated by the following signature.

Sincerely,

Project Manager

cc: Project File

LIMS REPORT KEY

Quanterra Environmental Services

Section	Description
Cover letter	Signature page, report narrative as applicable.
Sample Description Information	Tabulated cross-reference between the Lab ID and Client ID, including matrix, date and time sampled and the date received for all samples in the project.
Sample Analysis Results Sheets	Lists sample results, test components, reporting limits, dates prepared and analyzed and any data qualifiers. Pages are organized by test.
QC Lot Assignment Report	Cross-reference between lab IDs and applicable QC batches (DCS, LCS, SCS, Blank, MS/SD, DU)
Duplicate Control Sample Report	Percent recovery and RPD results, with acceptance limits, for the laboratory Duplicate Control Samples for each test are tabulated in this report. These are measures of accuracy and precision for each test.
Laboratory Control Sample Report	Percent recovery results for a single Laboratory Control Sample (if applicable) are tabulated in this report, with the applicable acceptance limits for each test.
Matrix Spike/Matrix Spike Duplicate Report	Percent recovery and RPD results for matrix-specific QC samples and acceptance limits, where applicable. This report can be used to assess matrix effects on an analysis.
Single Control Sample Report	A tabulation of the surrogate recoveries for the blank for organic analyses.
Method Blank Report	A summary of the results of the analysis of the method blank for each test.

List of Abbreviations and Terms

DCS	Duplicate Control Sample	MSD	Matrix Spike Duplicate
DU	Sample Duplicate	QC Run	Preparation batch
EB	Equipment Blank	QC Category	LIMS QC Category
FB	Field Blank	QC Lot	DCS batch
FD	Field Duplicate	ND	Not Detected at the reporting limit expressed
IDL	Instrument Detection Limit	QC Matrix	Matrix of the laboratory control sample (s)
LCS	Laboratory Control Sample	RL	Reporting Limit
MB	Method Blank	QC	Quality Control
MDL	Method Detection Limit	SA	Sample
MS	Matrix Spike	SD	See MSD
RPD	Relative Percent Difference	TB	Trip Blank
ppm (parts-per-million)	mg/L or mg/kg	ppb (parts-per-billion)	µg/L or µg/kg
QUAL	Qualifier flag	DIL	Dilution Factor

Refer to the Quanterra Incorporated Quality Assurance Management Plan for detailed explanations of terms summarized above.

Quanterra Environmental Services

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B. QC Summaries

Quanterra
Environmental Services

CASE NARRATIVE

LIMS # 117927

I. CONDITION UPON RECEIPT

Cooler was received intact. The temperature of the cooler was 4.6°C.

Sample containers were received intact. Sample container labels did agree with the COC as to sample ID, collection date and requested tests.

Samples were received in time to meet the method holding time specifications.

II. ORGANIC ANALYSES (BY METHOD: SW8080)

HOLDING TIME
All samples were prepared and analyzed within the method-specified holding time requirements.

METHOD BLANK
All method blanks met method- and/or project-specific QC criteria.

MS/MSD/LCS/DCS AND RPDs
All spike recovery and RPD data met method- and/or project-specific QC criteria.

SURROGATE RECOVERIES
All surrogate spike recoveries in samples and in QC samples met method- and/or project-specific QC criteria.

CALIBRATIONS
All calibrations and calibration verifications met method- and/or project-specific QC criteria with the following exception: The opening check standard for Aroclor 1254 had a %D of 16.5% with an acceptance limit of 15%D. The continuing and ending check standards were in control for this analyte. Since all samples were ND (non detect) for this analyte and all QC samples were in control, no further corrective action was performed.

III. METALS (BY METHOD: SW6010)

HOLDING TIME
All samples were prepared and analyzed within the method-specified holding time requirements.

METHOD BLANK
All method blank data met method- and/or project-specific QC criteria.

MS/MSD/LCS/DCS AND RPDs
Except for the SW6010 MS/MSD, all spike recovery and RPD data met method- and/or project-specific QC criteria. Matrix spike/matrix spike duplicate spike recoveries were outside the acceptance limits for antimony, chromium, cobalt, and zinc. However, the acceptable LCS analysis data indicated that the analytical system was operating within control and this condition is most likely due to matrix interference.

Quanterra Environmental Services

CASE NARRATIVE

LIMS # 117927

CALIBRATIONS
All calibrations and calibration verifications met method- and/or project-specific QC criteria.

IV. GENERAL CHEMISTRY (BY METHOD: SW9012, SW7196)

HOLDING TIME
All samples were prepared and analyzed within the method-specified holding time requirements.

METHOD BLANK
All method blanks met method- and/or project-specific QC criteria.

MS/MSD/LCS/DCS AND RPDs
All spike recovery and RPD data met method- and/or project-specific QC criteria.

CALIBRATIONS
All calibrations and calibration verifications met method- and/or project-specific QC criteria.

SAMPLE RESULTS
Cyanide analyses were performed by method SW9012 rather than method E335.3 as requested on the chain of custody.

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client: Kennedy Jenks	Project Manager	Date: 4-2-96	Chain Of Custody Number: 49425
Address: 2151 Michelson Dr., Suite 100	Telephone Number (Area Code)/Fax Number	Lab Number: 117927	Page 1 of 2
City: Irvine; State: CA; Zip Code:	Site Contact	Lab Contact	
Project Name	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 954019.01			

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	6010 (metals)	335.3 (CN)	~~8080 (pest)~~	Hold	Special Instructions/ Conditions of Receipt
16-5	4-2-96				✓								X			
16-10	↓				✓								X			
16-15					✓										X	
16-20					✓										X	
16-25					✓										X	
2B-5					✓							X				
2B-10					✓							X				
2B-15					✓										X	
2B-20					✓										X	
2B-25	↓				✓										X	
2A-5	4-1-96				✓							X				
2A-10	4-1-96				✓							X				

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Gay Kob	4-2-96	1630	1. Received By: D C Goblirsch	4-2-96	1630
2. Relinquished By: D C Goblirsch	4-2-96	1740	2. Received By: [illegible]	4-2-96	1740
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077609

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
Kennedy Jenks		4-2-96	49424
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 2 **of** 2
2151 Michelson Drive, Suite 100		17927	

City	State	Zip Code	Site Contact	Lab Contact

Project Name	Carrier/Waybill Number

Contract/Purchase Order/Quote No.: 954019.01

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	6010 (metals)	8080 (PCBs)		Hold								Special Instructions/ Conditions of Receipt
2A-15	4-1-96				✓										X								
2A-20	↓				✓										X								
2A-25	↓				✓										X								
8-~~#~~5	4-2-96				✓							X											
8-10	↓				✓							X											
8-15	↓				✓										X								
8-20	↓				✓										X								
8-25	↓				✓										X								
3B2-18	↓				✓							X	X										
3B2-23	↓				✓							X	X										
3B2-28	↓				✓										X								
3B2-33	↓				✓										X								

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: Gary [illegible]	4-2-96	1630	1. Received By: D C Goblirsch	4-2-96	1630
2. Relinquished By: D C Goblirsch	4-2-96	1740	2. Received By: [illegible]	4-2-96	1740
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

BOE-C6-0077610

Quanterra Environmental Services

SAMPLE DESCRIPTION INFORMATION
for
Kennedy/Jenks Consultants

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
117927-0001-SA	16-5	SOIL	02 APR 96		02 APR 96
117927-0002-SA	16-10	SOIL	02 APR 96		02 APR 96
117927-0003-SA	16-15	SOIL	02 APR 96		02 APR 96
117927-0004-SA	16-20	SOIL	02 APR 96		02 APR 96
117927-0005-SA	16-25	SOIL	02 APR 96		02 APR 96
117927-0006-SA	2B-5	SOIL	02 APR 96		02 APR 96
117927-0007-SA	2B-10	SOIL	02 APR 96		02 APR 96
117927-0008-SA	2B-15	SOIL	02 APR 96		02 APR 96
117927-0009-SA	2B-20	SOIL	02 APR 96		02 APR 96
117927-0010-SA	2B-25	SOIL	02 APR 96		02 APR 96
117927-0011-SA	2A-5	SOIL	01 APR 96		02 APR 96
117927-0012-SA	2A-10	SOIL	01 APR 96		02 APR 96
117927-0013-SA	2A-15	SOIL	01 APR 96		02 APR 96
117927-0014-SA	2A-20	SOIL	01 APR 96		02 APR 96
117927-0015-SA	2A-25	SOIL	01 APR 96		02 APR 96
117927-0016-SA	8-5	SOIL	02 APR 96		02 APR 96
117927-0017-SA	8-10	SOIL	02 APR 96		02 APR 96
117927-0018-SA	8-15	SOIL	02 APR 96		02 APR 96
117927-0019-SA	8-20	SOIL	02 APR 96		02 APR 96
117927-0020-SA	8-25	SOIL	02 APR 96		02 APR 96
117927-0021-SA	3B2-18	SOIL	02 APR 96		02 APR 96
117927-0022-SA	3B2-23	SOIL	02 APR 96		02 APR 96
117927-0023-SA	3B2-28	SOIL	02 APR 96		02 APR 96
117927-0024-SA	3B2-33	SOIL	02 APR 96		02 APR 96

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 2B-5
LAB ID: 117927-0006-SA
Matrix: SOIL — Sampled: 02 APR 96 — Received: 02 APR 96
Authorized: 02 APR 96 — Prepared: See Below — Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	05 APR 96	09 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	05 APR 96	09 APR 96
Barium	228		1.0	20.0	mg/kg	SW6010	05 APR 96	09 APR 96
Beryllium	0.77		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium	30.5		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cobalt	14.5		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Copper	28.2		1.0	2.5	mg/kg	SW6010	05 APR 96	09 APR 96
Lead	6.5		1.0	0.30	mg/kg	SW6010	05 APR 96	09 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	08 APR 96	09 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Nickel	20.5		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	05 APR 96	09 APR 96
Vanadium	55.3		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Zinc	67.1		1.0	2.0	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	03 APR 96	03 APR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 2B-10
LAB ID: 117927-0007-SA
Matrix: SOIL
Authorized: 02 APR 96

Sampled: 02 APR 96
Prepared: See Below

Received: 02 APR 96
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	05 APR 96	09 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	05 APR 96	09 APR 96
Barium	214		1.0	20.0	mg/kg	SW6010	05 APR 96	09 APR 96
Beryllium	0.96		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cadmium	0.33		1.0	0.20	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium	35.3		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cobalt	27.0		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Copper	39.0		1.0	2.5	mg/kg	SW6010	05 APR 96	09 APR 96
Lead	6.0		1.0	0.30	mg/kg	SW6010	05 APR 96	09 APR 96
Mercury	0.057		1.0	0.040	mg/kg	SW7471	08 APR 96	09 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Nickel	23.5		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	05 APR 96	09 APR 96
Vanadium	72.2		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Zinc	99.9		1.0	2.0	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	03 APR 96	03 APR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 2A-5
LAB ID: 117927-0011-SA
Matrix: SOIL
Authorized: 02 APR 96

Sampled: 01 APR 96
Prepared: See Below

Received: 02 APR 96
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	05 APR 96	09 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	05 APR 96	09 APR 96
Barium	168		1.0	20.0	mg/kg	SW6010	05 APR 96	09 APR 96
Beryllium	0.66		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium	26.0		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cobalt	13.6		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Copper	20.1		1.0	2.5	mg/kg	SW6010	05 APR 96	09 APR 96
Lead	7.6		1.0	0.30	mg/kg	SW6010	05 APR 96	09 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	08 APR 96	09 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Nickel	18.9		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	05 APR 96	09 APR 96
Vanadium	45.6		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Zinc	49.3		1.0	2.0	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	03 APR 96	03 APR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 2A-10
LAB ID: 117927-0012-SA
Matrix: SOIL
Authorized: 02 APR 96

Sampled: 01 APR 96
Prepared: See Below

Received: 02 APR 96
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	05 APR 96	09 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	05 APR 96	09 APR 96
Barium	276		1.0	20.0	mg/kg	SW6010	05 APR 96	09 APR 96
Beryllium	0.71		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cadmium	0.57		1.0	0.20	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium	27.5		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cobalt	35.7		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Copper	41.8		1.0	2.5	mg/kg	SW6010	05 APR 96	09 APR 96
Lead	7.4		1.0	0.30	mg/kg	SW6010	05 APR 96	09 APR 96
Mercury	0.043		1.0	0.040	mg/kg	SW7471	08 APR 96	09 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Nickel	19.5		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	05 APR 96	09 APR 96
Vanadium	61.3		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Zinc	128		1.0	2.0	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	03 APR 96	03 APR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 8-5
LAB ID: 117927-0016-SA
Matrix: SOIL — Sampled: 02 APR 96 — Received: 02 APR 96
Authorized: 02 APR 96 — Prepared: See Below — Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	05 APR 96	09 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	05 APR 96	09 APR 96
Barium	76.9		1.0	20.0	mg/kg	SW6010	05 APR 96	09 APR 96
Beryllium	0.58		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium	31.9		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cobalt	9.3		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Copper	59.9		1.0	2.5	mg/kg	SW6010	05 APR 96	09 APR 96
Lead	19.8		1.0	0.30	mg/kg	SW6010	05 APR 96	09 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	08 APR 96	09 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Nickel	20.6		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	05 APR 96	09 APR 96
Vanadium	44.4		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Zinc	170		1.0	2.0	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	03 APR 96	03 APR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 8-10
LAB ID: 117927-0017-SA
Matrix: SOIL
Authorized: 02 APR 96

Sampled: 02 APR 96
Prepared: See Below

Received: 02 APR 96
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	05 APR 96	09 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	05 APR 96	09 APR 96
Barium	165		1.0	20.0	mg/kg	SW6010	05 APR 96	09 APR 96
Beryllium	0.68		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium	31.6		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cobalt	17.3		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Copper	32.1		1.0	2.5	mg/kg	SW6010	05 APR 96	09 APR 96
Lead	6.1		1.0	0.30	mg/kg	SW6010	05 APR 96	09 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	08 APR 96	09 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Nickel	24.0		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	05 APR 96	09 APR 96
Vanadium	63.8		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Zinc	74.2		1.0	2.0	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	03 APR 96	03 APR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3B2-18
LAB ID: 117927-0021-SA
Matrix: SOIL
Authorized: 02 APR 96

Sampled: 02 APR 96
Prepared: See Below

Received: 02 APR 96
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	05 APR 96	09 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	05 APR 96	09 APR 96
Barium	154		1.0	20.0	mg/kg	SW6010	05 APR 96	09 APR 96
Beryllium	0.57		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium	25.6		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Cobalt	14.5		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Copper	25.8		1.0	2.5	mg/kg	SW6010	05 APR 96	09 APR 96
Lead	5.2		1.0	0.30	mg/kg	SW6010	05 APR 96	09 APR 96
Mercury	0.051		1.0	0.040	mg/kg	SW7471	08 APR 96	09 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Nickel	17.3		1.0	4.0	mg/kg	SW6010	05 APR 96	09 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	09 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	05 APR 96	09 APR 96
Vanadium	53.3		1.0	5.0	mg/kg	SW6010	05 APR 96	09 APR 96
Zinc	77.5		1.0	2.0	mg/kg	SW6010	05 APR 96	09 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	03 APR 96	03 APR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3B2-23
LAB ID: 117927-0022-SA
Matrix: SOIL
Authorized: 02 APR 96

Sampled: 02 APR 96
Prepared: See Below

Received: 02 APR 96
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	05 APR 96	10 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	05 APR 96	10 APR 96
Barium	162		1.0	20.0	mg/kg	SW6010	05 APR 96	10 APR 96
Beryllium	0.61		1.0	0.50	mg/kg	SW6010	05 APR 96	10 APR 96
Cadmium	0.59		1.0	0.20	mg/kg	SW6010	05 APR 96	10 APR 96
Chromium	27.4		1.0	0.50	mg/kg	SW6010	05 APR 96	10 APR 96
Cobalt	15.2		1.0	5.0	mg/kg	SW6010	05 APR 96	10 APR 96
Copper	30.0		1.0	2.5	mg/kg	SW6010	05 APR 96	10 APR 96
Lead	5.6		1.0	0.30	mg/kg	SW6010	05 APR 96	10 APR 96
Mercury	0.046		1.0	0.040	mg/kg	SW7471	08 APR 96	09 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	05 APR 96	10 APR 96
Nickel	17.6		1.0	4.0	mg/kg	SW6010	05 APR 96	10 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	10 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	05 APR 96	10 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	05 APR 96	10 APR 96
Vanadium	55.0		1.0	5.0	mg/kg	SW6010	05 APR 96	10 APR 96
Zinc	75.3		1.0	2.0	mg/kg	SW6010	05 APR 96	10 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	03 APR 96	03 APR 96

ND = Not Detected

Quanterra Environmental Services

GENERAL INORGANICS

Client Name: Kennedy/Jenks Consultants
Client ID: 16-5
LAB ID: 117927-0001-SA
Matrix: SOIL — Sampled: 02 APR 96 — Received: 02 APR 96
Authorized: 02 APR 96 — Prepared: See Below — Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Prep Method	Test Method	Prepared Date	Analyzed Date
Cyanide, Total	ND		1.0	0.50	mg/kg	METHOD	9012	10 APR 96	10 APR 96

ND = Not Detected

Quanterra Environmental Services

GENERAL INORGANICS

Client Name: Kennedy/Jenks Consultants
Client ID: 16-10
LAB ID: 117927-0002-SA
Matrix: SOIL
Authorized: 02 APR 96

Sampled: 02 APR 96
Prepared: See Below

Received: 02 APR 96
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Prep Method	Test Method	Prepared Date	Analyzed Date
Cyanide, Total	ND		1.0	0.50	mg/kg	METHOD	9012	10 APR 96	10 APR 96

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3B2-18
LAB ID: 117927-0021-SA
Matrix: SOIL
Authorized: 02 APR 96
Instrument: PCB/PEST

Sampled: 02 APR 96
Prepared: 03 APR 96
Dilution: 1.0

Received: 02 APR 96
Analyzed: 04 APR 96

Parameter	Result	Qualifier	RL	Units
Aroclor 1016	ND		33	ug/kg
Aroclor 1221	ND		33	ug/kg
Aroclor 1232	ND		33	ug/kg
Aroclor 1242	ND		33	ug/kg
Aroclor 1248	ND		33	ug/kg
Aroclor 1254	ND		33	ug/kg
Aroclor 1260	ND		33	ug/kg

Surrogate	Recovery		Acceptable Range
2,4,5,6-Tetrachloro-m-xylene	77	%	60 - 150
Decachlorobiphenyl	96	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3B2-23
LAB ID: 117927-0022-SA
Matrix: SOIL
Authorized: 02 APR 96
Instrument: PCB/PEST

Sampled: 02 APR 96
Prepared: 03 APR 96
Dilution: 1.0

Received: 02 APR 96
Analyzed: 04 APR 96

Parameter	Result	Qualifier	RL	Units
Aroclor 1016	ND		33	ug/kg
Aroclor 1221	ND		33	ug/kg
Aroclor 1232	ND		33	ug/kg
Aroclor 1242	ND		33	ug/kg
Aroclor 1248	ND		33	ug/kg
Aroclor 1254	ND		33	ug/kg
Aroclor 1260	ND		33	ug/kg

Surrogate	Recovery		Acceptable Range
2,4,5,6-Tetrachloro-m-xylene	75	%	60 - 150
Decachlorobiphenyl	96	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

QC LOT ASSIGNMENT REPORT - MS QC
Metals Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK/LCS)	MS QC Run Number (SA,MS,SD,DU)
117927-0006-SA	SOLID	ICP-S		05 APR 96-AX	05 APR 96-AA
117927-0006-SA	SOLID	HG-CVAA-S		08 APR 96-HX	08 APR 96-HA
117927-0007-SA	SOLID	ICP-S		05 APR 96-AX	05 APR 96-AA
117927-0007-SA	SOLID	HG-CVAA-S		08 APR 96-HX	08 APR 96-HA
117927-0011-SA	SOLID	ICP-S		05 APR 96-AX	05 APR 96-AA
117927-0011-SA	SOLID	HG-CVAA-S		08 APR 96-HX	08 APR 96-HA
117927-0012-SA	SOLID	ICP-S		05 APR 96-AX	05 APR 96-AA
117927-0012-SA	SOLID	HG-CVAA-S		08 APR 96-HX	08 APR 96-HA
117927-0016-SA	SOLID	ICP-S		05 APR 96-AX	05 APR 96-AA
117927-0016-SA	SOLID	HG-CVAA-S		08 APR 96-HX	08 APR 96-HA
117927-0017-SA	SOLID	ICP-S		05 APR 96-AX	05 APR 96-AA
117927-0017-SA	SOLID	HG-CVAA-S		08 APR 96-HX	08 APR 96-HA
117927-0021-SA	SOLID	ICP-S		05 APR 96-AX	05 APR 96-AA
117927-0021-SA	SOLID	HG-CVAA-S		08 APR 96-HX	08 APR 96-HA
117927-0022-SA	SOLID	ICP-S		05 APR 96-AX	05 APR 96-AA
117927-0022-SA	SOLID	HG-CVAA-S		08 APR 96-HX	08 APR 96-HA

Quanterra Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Metals Analysis and Preparation
Project: 117927

Category: ICP-S ICP Metals
Matrix: SOLID
QC Run: 05 APR 96-AX
Concentration Units: mg/kg

Date Analyzed: 09 APR 96

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Antimony	50.0	45.2	90	70-110
Arsenic	200	184	92	75-110
Barium	200	197	99	85-115
Beryllium	5.00	4.87	97	80-115
Cadmium	5.00	4.96	99	80-115
Chromium	20.0	20.5	102	85-120
Cobalt	50.0	50.2	100	85-120
Copper	25.0	24.4	98	85-115
Lead	50.0	49.3	99	80-110
Molybdenum	100	99.5	100	80-115
Nickel	50.0	50.4	101	85-115
Selenium	200	177	89	70-105
Silver	5.00	4.80	96	80-110
Thallium	200	194	97	80-110
Vanadium	50.0	49.9	100	85-115
Zinc	50.0	48.9	98	80-115

Category: HG-CVAA-S Mercury by CVAA
Matrix: SOLID
QC Run: 08 APR 96-HX
Concentration Units: mg/kg

Date Analyzed: 09 APR 96

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.750	0.730	97	80-120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra Environmental Services

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Metals Analysis and Preparation
Project: 117927

Category: ICP-S ICP Metals
Matrix: SOLID
Sample: 117907-0001
MS Run: 05 APR 96-AA
Units: mg/kg

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Antimony	ND	10.2 n	11.9 n	50.0	20	24	16	70-110	20
Arsenic	ND	177	177	200	88	88	0.2	75-110	20
Barium	192	371	406	200	89	107	18	85-115	20
Beryllium	0.807	5.46	5.53	5.00	93	94	1.3	80-115	20
Cadmium	ND	4.56	4.55	5.00	91	91	0.0	80-115	20
Chromium	31.4	46.8 n	47.2 n	20.0	77	79	2.5	85-120	20
Cobalt	16.8	59.1 n	72.9	50.0	84	112	28	85-120	20
Copper	27.4	49.2	49.0	25.0	87	87	1.0	85-115	20
Lead	7.33	52.8	53.9	50.0	91	93	2.3	80-110	20
Molybdenum	ND	85.3	89.0	100	85	89	4.2	80-115	20
Nickel	20.0	64.4	69.3	50.0	89	99	10	85-115	20
Selenium	ND	169	166	200	85	83	1.7	70-105	20
Silver	ND	4.66	4.42	5.00	93	88	5.1	80-110	20
Thallium	ND	178	177	200	89	88	0.7	80-110	20
Vanadium	53.2	102	110	50.0	98	113	14	85-115	20
Zinc	60.9	98.6 n	96.5 n	50.0	75	71	5.9	80-115	20

Category: HG-CVAA-S Mercury by CVAA
Matrix: SOLID
Sample: 117907-0001
MS Run: 08 APR 96-HA
Units mg/kg Units Qualifier: Wet wt.

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Mercury	ND	0.778	0.767	0.750	104	102	1.4	80-120	20

n = Spiked analyte out of matrix spike acceptance limits; refer to lab control sample results.
ND = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra Environmental Services

METHOD BLANK REPORT
Metals Analysis and Preparation
Project: 117927

Test: ICPT-CAM-S
Matrix: SOLID
QC Run: 05 APR 96-AX

Method 6010 - CAM TTLC Metals

Date Analyzed: 09 APR 96

Analyte	Result	Units	Reporting Limit
Antimony	ND	mg/kg	1.0
Arsenic	ND	mg/kg	10.0
Barium	ND	mg/kg	20.0
Beryllium	ND	mg/kg	0.50
Cadmium	ND	mg/kg	0.20
Chromium	ND	mg/kg	0.50
Cobalt	ND	mg/kg	5.0
Copper	ND	mg/kg	2.5
Lead	ND	mg/kg	0.30
Molybdenum	ND	mg/kg	4.0
Nickel	ND	mg/kg	4.0
Selenium	ND	mg/kg	0.50
Silver	ND	mg/kg	0.50
Thallium	ND	mg/kg	200
Vanadium	ND	mg/kg	5.0
Zinc	ND	mg/kg	2.0

Test: HG-CVAA-S
Matrix: SOLID
QC Run: 08 APR 96-HX

Method 7471 - Mercury, Cold Vapor AA

Date Analyzed: 09 APR 96

Analyte	Result	Units	Reporting Limit
Mercury	ND	mg/kg	0.040

ND = Not Detected

Quanterra Environmental Services

QC LOT ASSIGNMENT REPORT - MS QC
Wet Chemistry Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK/LCS)	MS QC Run Number (SA,MS,SD,DU)
117927-0001-SA	SOLID	CN-S		10 APR 96-AX	10 APR 96-AA
117927-0002-SA	SOLID	CN-S		10 APR 96-AX	10 APR 96-AA
117927-0006-SA	SOLID	CR6-S		03 APR 96-AX	03 APR 96-AA
117927-0007-SA	SOLID	CR6-S		03 APR 96-AX	03 APR 96-AA
117927-0011-SA	SOLID	CR6-S		03 APR 96-AX	03 APR 96-AA
117927-0012-SA	SOLID	CR6-S		03 APR 96-AX	03 APR 96-AA
117927-0016-SA	SOLID	CR6-S		03 APR 96-AX	03 APR 96-AA
117927-0017-SA	SOLID	CR6-S		03 APR 96-AX	03 APR 96-AA
117927-0021-SA	SOLID	CR6-S		03 APR 96-AX	03 APR 96-AA
117927-0022-SA	SOLID	CR6-S		03 APR 96-AX	03 APR 96-AA

Quanterra Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Wet Chemistry Analysis and Preparation
Project: 117927

Category: CN-S Cyanide (9012) SOLID
Matrix: SOLID
Date Analyzed: 10 APR 96
QC Run: 10 APR 96-AX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Cyanide, Total	5.00	4.30	86	80-120

Category: CR6-S Method 7196 - Chromium, Hexavalent
Matrix: SOLID
Date Analyzed: 03 APR 96
QC Run: 03 APR 96-AX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Chromium, Hexavalent	0.250	0.252	101	70-122

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra Environmental Services

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Wet Chemistry Analysis and Preparation
Project: 117927

Category: CN-S Cyanide (9012) SOLID
Matrix: SOLID
Sample: 117927-0001
MS Run: 10 APR 96-AA
Units: mg/kg

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Cyanide, Total	ND	3.55	4.80	5.00	71	96	30	80-120	25

Category: CR6-S Method 7196 - Chromium, Hexavalent
Matrix: SOLID
Sample: 117927-0021
MS Run: 03 APR 96-AA
Units: mg/kg

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Chromium, Hexavalent	ND	0.202	0.193	0.250	81	77	4.6	33-136	41

ND = Not Detected

alculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra Environmental Services

METHOD BLANK REPORT
Wet Chemistry Analysis and Preparation
Project: 117927

Test: CN-S
Matrix: SOLID
QC Run: 10 APR 96-AX

Method 9012 - Cyanide, Total

Date Analyzed: 10 APR 96

Analyte	Result	Units	Reporting Limit
Cyanide, Total	ND	mg/kg	0.50

Test: CR6-S
Matrix: SOLID
QC Run: 03 APR 96-AX

Method 7196 - Chromium, Hexavalent

Date Analyzed: 03 APR 96

Analyte	Result	Units	Reporting Limit
Chromium, Hexavalent	ND	mg/kg	0.10

ND = Not Detected

Quanterra
Environmental Services

QC LOT ASSIGNMENT REPORT - MS QC
Semivolatile Organics by GC

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK/LCS)	MS QC Run Number (SA,MS,SD,DU)
117927-0021-SA	SOLID	PCB-S		03 APR 96-DX	03 APR 96-DA
117927-0022-SA	SOLID	PCB-S		03 APR 96-DX	03 APR 96-DA

Quanterra Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Semivolatile Organics by GC
Project: 117927

Category: PCB-S PCBs
Matrix: SOLID
QC Run: 03 APR 96-DX
Concentration Units: ug/kg

Date Analyzed: 04 APR 96

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Aroclor 1254	167	174	104	43-106

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra Environmental Services

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Semivolatile Organics by GC
Project: 117927

Category: PCB-S PCBs
Matrix: SOLID
Sample: 117927-0021
MS Run: 03 APR 96-DA
Units ug/kg Units Qualifier: Wet wt.

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Aroclor 1254	ND	154	144	167	92	86	6.3	18-180	37

ND = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

SINGLE CONTROL SAMPLE REPORT
Semivolatile Organics by GC
Project: 117927

Category: PCB-S PCBs
Matrix: SOLID
QC Run: 03 APR 96-DX
Date Analyzed: 04 APR 96
Concentration Units: ug/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) SCS	Accuracy(%) Limits
2,4,5,6-Tetrachloro-m-xylene	6.67	6.54	98	60-150
Decachlorobiphenyl	6.67	7.12	107	60-150

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra Environmental Services

METHOD BLANK REPORT
Semivolatile Organics by GC
Project: 117927

Test: 8080-PCB-S
Matrix: SOLID
QC Run: 03 APR 96-DX

Method 8080 - PCBs

Date Analyzed: 04 APR 96

Analyte	Result	Units	Reporting Limit
Aroclor 1016	ND	ug/kg	33
Aroclor 1221	ND	ug/kg	33
Aroclor 1232	ND	ug/kg	33
Aroclor 1242	ND	ug/kg	33
Aroclor 1248	ND	ug/kg	33
Aroclor 1254	ND	ug/kg	33
Aroclor 1260	ND	ug/kg	33

ND = Not Detected

Appendix C4

Quanterra
Environmental Services

Quanterra Incorporated
1721 South Grand Avenue
Santa Ana, California 92705

714 258-8610 Telephone
714 258-0921 Fax

April 25, 1996

KENNEDY/JENKS CONSULTANTS
2151 MICHELSON DRIVE
SUITE 100
IRVINE, CA 92715
ATTN: MR. RICK PASTORE

LIMS NO.: 117948-0001/0030
DATE SAMPLED: 03-MAR-1996
DATE SAMPLE REC'D: 04-MAR-1996
PROJECT: 954019.01 / DAC PHASE II

Enclosed with this letter is the report containing the analytical results for the project specified above.

The Narrative section included in the following attachment provides a detailed description of all events that occurred during sample processing, analysis, and data review as applicable to the samples and analytical methods requested.

Report data sheets contain a list of the requested constituents measured in each test, the analytical results, and the standard reporting limits (RLs). Reporting limits are adjusted to reflect any dilution or dry weight correction, when applicable. Solid and waste matrix samples are reported on an "as received" basis for this report. Also provided in this report are the LIMS Report Key and the terms and abbreviations commonly used in our reports.

Preliminary PCB data were provided on April 10, 1996 at 7:49 PM to Rick Pastore. Preliminary metals data were provided on April 12, 1996 at 11:10 AM to Rick Pastore.

The report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions regarding the data provided in this report, please call Pat Abe at (714) 258-8610. Release of this report has been authorized by the Lab Director or the designee as demonstrated by the following signature.

Sincerely,

Mona Nash
Project Manager

cc: Project File

BOE-C6-0077638

LIMS REPORT KEY

Quanterra Environmental Services

Section	Description
Cover letter	Signature page, report narrative as applicable.
Sample Description Information	Tabulated cross-reference between the Lab ID and Client ID, including matrix, date and time sampled and the date received for all samples in the project.
Sample Analysis Results Sheets	Lists sample results, test components, reporting limits, dates prepared and analyzed and any data qualifiers. Pages are organized by test.
QC Lot Assignment Report	Cross-reference between lab IDs and applicable QC batches (DCS, LCS, SCS, Blank, MS/SD, DU)
Duplicate Control Sample Report	Percent recovery and RPD results, with acceptance limits, for the laboratory Duplicate Control Samples for each test are tabulated in this report. These are measures of accuracy and precision for each test.
Laboratory Control Sample Report	Percent recovery results for a single Laboratory Control Sample (if applicable) are tabulated in this report, with the applicable acceptance limits for each test.
Matrix Spike/Matrix Spike Duplicate Report	Percent recovery and RPD results for matrix-specific QC samples and acceptance limits, where applicable. This report can be used to assess matrix effects on an analysis.
Single Control Sample Report	A tabulation of the surrogate recoveries for the blank for organic analyses.
Method Blank Report	A summary of the results of the analysis of the method blank for each test.

List of Abbreviations and Terms

DCS	Duplicate Control Sample	MSD	Matrix Spike Duplicate
DU	Sample Duplicate	QC Run	Preparation batch
EB	Equipment Blank	QC Category	LIMS QC Category
FB	Field Blank	QC Lot	DCS batch
FD	Field Duplicate	ND	Not Detected at the reporting limit expressed
IDL	Instrument Detection Limit	QC Matrix	Matrix of the laboratory control sample (s)
LCS	Laboratory Control Sample	RL	Reporting Limit
MB	Method Blank	QC	Quality Control
MDL	Method Detection Limit	SA	Sample
MS	Matrix Spike	SD	See MSD
RPD	Relative Percent Difference	TB	Trip Blank
ppm (parts-per-million)	mg/L or mg/kg	ppb (parts-per-billion)	μg/L or μg/kg
QUAL	Qualifier flag	DIL	Dilution Factor

Refer to the Quanterra Incorporated Quality Assurance Management Plan for detailed explanations of terms summarized above.

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LIMS # 117948

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Chain-of-Custody Records and Sample Description Information

Analytical Results Summary (LIMS Report)

A. LIMS Datasheets
B. QC Summaries

CASE NARRATIVE

LIMS # 117948

I. CONDITION UPON RECEIPT

Cooler was received intact. The temperature of the cooler was 4.8°C.

Sample containers were received intact. Sample container labels did agree with the COC as to sample ID, collection date and requested tests.

Samples were received in time to meet the method holding time specifications.

II. ORGANIC ANALYSES (BY METHOD: SW8080)

HOLDING TIME
All samples were prepared and analyzed within the method-specified holding time requirements.

METHOD BLANK
All method blanks met method- and/or project-specific QC criteria.

MS/MSD/LCS/DCS AND RPDs
All spike recovery and RPD data met method- and/or project-specific QC criteria.

SURROGATE RECOVERIES
All surrogate spike recoveries in samples and in QC samples met method- and/or project-specific QC criteria.

CALIBRATIONS
All calibrations and calibration verifications met method- and/or project-specific QC criteria.

III. METALS (BY METHOD: SW6010; SW7000 Series; etc.)

HOLDING TIME
All samples were prepared and analyzed within the method-specified holding time requirements.

METHOD BLANK
Except for zinc, all method blank data met method- and/or project-specific QC criteria. Zinc was detected in method blank 10 APR 96-CX at 2.3 mg/L which exceeded the RL of 2.0 mg/L. All sample results for this analyte are qualified using a "B." However, the analyte level in the samples was greater than 10 times the blank level.

MS/MSD/LCS/DCS AND RPDs
Except for the antimony MS/MSD, all spike recovery and RPD data met method- and/or project-specific QC criteria. Matrix spike/matrix spike duplicate spike recoveries were outside the acceptance limits for antimony. However, the acceptable LCS analysis data indicated that the analytical system was operating within control and this condition is most likely due to matrix interference.

CASE NARRATIVE

LIMS # 117948

CALIBRATIONS
All calibrations and calibration verifications met method- and/or project-specific QC criteria.

IV. GENERAL CHEMISTRY (BY METHOD: SW7196)

HOLDING TIME
All samples were prepared and analyzed within the method-specified holding time requirements.

METHOD BLANK
All method blanks met method- and/or project-specific QC criteria.

MS/MSD/LCS/DCS AND RPDs
All spike recovery and RPD data met method- and/or project-specific QC criteria.

CALIBRATIONS
All calibrations and calibration verifications met method- and/or project-specific QC criteria.

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, teg

117948

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy Jenks
ADDRESS: 2151 Michelson Drive, Ste. 100
PHONE: 714-261-1577 FAX:
CLIENT PROJECT #: 954019.01 PROJECT MANAGER:

DATE: 4-3-96 PAGE 1 OF 2 OUTSIDE LAB #
TEG PROJECT #:
LOCATION: Douglas Aircraft
COLLECTOR: Jay Fitts DATE OF COLLECTION: 4-3-96

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PES (PCBs) 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS (6010)	Hold			FIELD NOTES	Total Number Of Containers	Laboratory Note Number
3E2-5	5		Soil	1" brass									X						X							
3E2-10	10												X						X							
3E2-15	15																			X						
3E2-20	20																			X						
3E2-25	25																			X						
3E1-5	5												X						X							
3E1-10	10												X						X							
3E1-15	15																			X						
3E1-20	20																			X						
3E1-25	25																			X						
3H-5	5												X						X							
3H-10	10												X						X							
3H-15	15																			X						

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Jay Fitts	4-3-96 1655	KYWud ATD	4/3/96 4:55
KYWud ATD	4-3-96 6:00 PM	[illegible]	4-3-96/1800

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS
CHAIN OF CUSTODY SEALS Y/N/NA
SEALS INTACT? Y/N/NA
RECEIVED GOOD COND./COLD
NOTES:

LABORATORY NOTES:

BOE-C6-0077643

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, teg

li 7748

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy Jenks
ADDRESS: 2151 Michelson Dr., Ste. 100
PHONE: 714-261-1577 FAX:
CLIENT PROJECT #: 954019.01 PROJECT MANAGER:

DATE: 4-3-96 PAGE 2 OF 2 OUTSIDE LAB #
TEG PROJECT #:
LOCATION: Douglas Aircraft, Torrance
COLLECTOR: Jay Kolb DATE OF COLLECTION: 4-2,3-96

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS (6010)	Hold			FIELD NOTES	Total Number Of Containers	Laboratory Note Number
3C1-10	10		Soil	1" brass									X						X							
3C1-15	15												X						X							
3C1-20	20																				X					
3C1-25	25																				X					
3C1-30	30																				X					
3C1-35	35																				X					
3C2-10	10												X						X							
3C2-15	15												X						X							
3C2-20	20																				X					
3C2-25	25																				X					
3C2-30	30																				X					
3C2-35	35																				X					
3D1-13	13												X						X							
3D1-18	18												X						X							
3D1-23	23																				X					
3D1-28	28																				X					
3D1-33	33																				X					

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Jay Kolb	4-3-96 1655	K J Ward ATD	4/3/96 4:55
K J Ward ATD	4-3-96 6:00 PM	[illegible]	4-3 96 1800

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

LABORATORY NOTES:

BOE-C6-0077644

Quanterra
Environmental Services

SAMPLE DESCRIPTION INFORMATION
for
Kennedy/Jenks Consultants

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
117948-0001-SA	3C1-10	SOIL	02 APR 96		03 APR 96
117948-0002-SA	3C1-15	SOIL	02 APR 96		03 APR 96
117948-0003-SA	3C1-20	SOIL	02 APR 96		03 APR 96
117948-0004-SA	3C1-25	SOIL	02 APR 96		03 APR 96
117948-0005-SA	3C1-30	SOIL	02 APR 96		03 APR 96
117948-0006-SA	3C1-35	SOIL	02 APR 96		03 APR 96
117948-0007-SA	3C2-10	SOIL	03 APR 96		03 APR 96
117948-0008-SA	3C2-15	SOIL	03 APR 96		03 APR 96
117948-0009-SA	3C2-20	SOIL	03 APR 96		03 APR 96
117948-0010-SA	3C2-25	SOIL	03 APR 96		03 APR 96
117948-0011-SA	3C2-30	SOIL	03 APR 96		03 APR 96
117948-0012-SA	3C2-35	SOIL	03 APR 96		03 APR 96
117948-0013-SA	3D1-13	SOIL	03 APR 96		03 APR 96
117948-0014-SA	3D1-18	SOIL	03 APR 96		03 APR 96
117948-0015-SA	3D1-23	SOIL	03 APR 96		03 APR 96
117948-0016-SA	3D1-28	SOIL	03 APR 96		03 APR 96
117948-0017-SA	3D1-33	SOIL	03 APR 96		03 APR 96
117948-0018-SA	3E2-5	SOIL	03 APR 96		03 APR 96
117948-0019-SA	3E2-10	SOIL	03 APR 96		03 APR 96
117948-0020-SA	3E2-15	SOIL	03 APR 96		03 APR 96
117948-0021-SA	3E2-20	SOIL	03 APR 96		03 APR 96
117948-0022-SA	3E2-25	SOIL	03 APR 96		03 APR 96
117948-0023-SA	3E1-5	SOIL	03 APR 96		03 APR 96
117948-0024-SA	3E1-10	SOIL	03 APR 96		03 APR 96
117948-0025-SA	3E1-15	SOIL	03 APR 96		03 APR 96
117948-0026-SA	3E1-20	SOIL	03 APR 96		03 APR 96
117948-0027-SA	3E1-25	SOIL	03 APR 96		03 APR 96
117948-0028-SA	3H-5	SOIL	03 APR 96		03 APR 96
117948-0029-SA	3H-10	SOIL	03 APR 96		03 APR 96
117948-0030-SA	3H-15	SOIL	03 APR 96		03 APR 96

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3C1-10
LAB ID: 117948-0001-SA
Matrix: SOIL — Sampled: 02 APR 96 — Received: 03 APR 96
Authorized: 04 APR 96 — Prepared: See Below — Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	10 APR 96	10 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	10 APR 96	10 APR 96
Barium	170		1.0	20.0	mg/kg	SW6010	10 APR 96	10 APR 96
Beryllium	0.66		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	10 APR 96	10 APR 96
Chromium	28.3		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Cobalt	17.1		1.0	5.0	mg/kg	SW6010	10 APR 96	10 APR 96
Copper	28.4		1.0	2.5	mg/kg	SW6010	10 APR 96	10 APR 96
Lead	6.2		1.0	0.30	mg/kg	SW6010	10 APR 96	10 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	10 APR 96	11 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	10 APR 96	10 APR 96
Nickel	19.3		1.0	4.0	mg/kg	SW6010	10 APR 96	10 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	10 APR 96	10 APR 96
Vanadium	55.5		1.0	5.0	mg/kg	SW6010	10 APR 96	10 APR 96
Zinc	74.8	B	1.0	2.0	mg/kg	SW6010	10 APR 96	10 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	04 APR 96	05 APR 96

B = Compound is also detected in the blank.
ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3C1-15
LAB ID: 117948-0002-SA
Matrix: SOIL
Authorized: 04 APR 96

Sampled: 02 APR 96
Prepared: See Below

Received: 03 APR 96
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	10 APR 96	10 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	10 APR 96	10 APR 96
Barium	172		1.0	20.0	mg/kg	SW6010	10 APR 96	10 APR 96
Beryllium	0.56		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	10 APR 96	10 APR 96
Chromium	23.5		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Cobalt	14.2		1.0	5.0	mg/kg	SW6010	10 APR 96	10 APR 96
Copper	52.7		1.0	2.5	mg/kg	SW6010	10 APR 96	10 APR 96
Lead	5.4		1.0	0.30	mg/kg	SW6010	10 APR 96	10 APR 96
Mercury	0.044		1.0	0.040	mg/kg	SW7471	10 APR 96	11 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	10 APR 96	10 APR 96
Nickel	20.3		1.0	4.0	mg/kg	SW6010	10 APR 96	10 APR 96
Selenium	0.68		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	10 APR 96	10 APR 96
Vanadium	48.8		1.0	5.0	mg/kg	SW6010	10 APR 96	10 APR 96
Zinc	126	B	1.0	2.0	mg/kg	SW6010	10 APR 96	10 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	04 APR 96	05 APR 96

B = Compound is also detected in the blank.
ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3C2-10
LAB ID: 117948-0007-SA
Matrix: SOIL Sampled: 03 APR 96 Received: 03 APR 96
Authorized: 04 APR 96 Prepared: See Below Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	10 APR 96	10 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	10 APR 96	10 APR 96
Barium	149		1.0	20.0	mg/kg	SW6010	10 APR 96	10 APR 96
Beryllium	0.50		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	10 APR 96	10 APR 96
Chromium	23.1		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Cobalt	13.7		1.0	5.0	mg/kg	SW6010	10 APR 96	10 APR 96
Copper	42.2		1.0	2.5	mg/kg	SW6010	10 APR 96	10 APR 96
Lead	5.2		1.0	0.30	mg/kg	SW6010	10 APR 96	10 APR 96
Mercury	0.056		1.0	0.040	mg/kg	SW7471	10 APR 96	11 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	10 APR 96	10 APR 96
Nickel	17.5		1.0	4.0	mg/kg	SW6010	10 APR 96	10 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	10 APR 96	10 APR 96
Vanadium	48.8		1.0	5.0	mg/kg	SW6010	10 APR 96	10 APR 96
Zinc	93.4	B	1.0	2.0	mg/kg	SW6010	10 APR 96	10 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	04 APR 96	05 APR 96

B = Compound is also detected in the blank.
ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3C2-15
LAB ID: 117948-0008-SA
Matrix: SOIL
Authorized: 04 APR 96

Sampled: 03 APR 96
Prepared: See Below

Received: 03 APR 96
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	10 APR 96	10 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	10 APR 96	10 APR 96
Barium	156		1.0	20.0	mg/kg	SW6010	10 APR 96	10 APR 96
Beryllium	0.61		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	10 APR 96	10 APR 96
Chromium	28.4		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Cobalt	15.5		1.0	5.0	mg/kg	SW6010	10 APR 96	10 APR 96
Copper	33.4		1.0	2.5	mg/kg	SW6010	10 APR 96	10 APR 96
Lead	5.5		1.0	0.30	mg/kg	SW6010	10 APR 96	10 APR 96
Mercury	0.047		1.0	0.040	mg/kg	SW7471	10 APR 96	11 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	10 APR 96	10 APR 96
Nickel	21.0		1.0	4.0	mg/kg	SW6010	10 APR 96	10 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	10 APR 96	10 APR 96
Vanadium	57.7		1.0	5.0	mg/kg	SW6010	10 APR 96	10 APR 96
Zinc	82.3	B	1.0	2.0	mg/kg	SW6010	10 APR 96	10 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	04 APR 96	05 APR 96

B = Compound is also detected in the blank.
ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3D1-13
LAB ID: 117948-0013-SA
Matrix: SOIL Sampled: 03 APR 96 Received: 03 APR 96
Authorized: 04 APR 96 Prepared: See Below Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	10 APR 96	10 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	10 APR 96	10 APR 96
Barium	165		1.0	20.0	mg/kg	SW6010	10 APR 96	10 APR 96
Beryllium	0.92		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Cadmium	0.23		1.0	0.20	mg/kg	SW6010	10 APR 96	10 APR 96
Chromium	40.7		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Cobalt	19.7		1.0	5.0	mg/kg	SW6010	10 APR 96	10 APR 96
Copper	54.5		1.0	2.5	mg/kg	SW6010	10 APR 96	10 APR 96
Lead	7.8		1.0	0.30	mg/kg	SW6010	10 APR 96	10 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	10 APR 96	11 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	10 APR 96	10 APR 96
Nickel	30.4		1.0	4.0	mg/kg	SW6010	10 APR 96	10 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	10 APR 96	10 APR 96
Vanadium	73.2		1.0	5.0	mg/kg	SW6010	10 APR 96	10 APR 96
Zinc	95.3	B	1.0	2.0	mg/kg	SW6010	10 APR 96	10 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	04 APR 96	05 APR 96

B = Compound is also detected in the blank.
ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3D1-18
LAB ID: 117948-0014-SA
Matrix: SOIL — Sampled: 03 APR 96 — Received: 03 APR 96
Authorized: 04 APR 96 — Prepared: See Below — Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	10 APR 96	10 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	10 APR 96	10 APR 96
Barium	163		1.0	20.0	mg/kg	SW6010	10 APR 96	10 APR 96
Beryllium	0.70		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	10 APR 96	10 APR 96
Chromium	33.2		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Cobalt	16.5		1.0	5.0	mg/kg	SW6010	10 APR 96	10 APR 96
Copper	53.1		1.0	2.5	mg/kg	SW6010	10 APR 96	10 APR 96
Lead	6.5		1.0	0.30	mg/kg	SW6010	10 APR 96	10 APR 96
Mercury	0.061		1.0	0.040	mg/kg	SW7471	10 APR 96	11 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	10 APR 96	10 APR 96
Nickel	25.1		1.0	4.0	mg/kg	SW6010	10 APR 96	10 APR 96
Selenium	0.69		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	10 APR 96	10 APR 96
Vanadium	58.5		1.0	5.0	mg/kg	SW6010	10 APR 96	10 APR 96
Zinc	115	B	1.0	2.0	mg/kg	SW6010	10 APR 96	10 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	04 APR 96	05 APR 96

B = Compound is also detected in the blank.
ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3E2-5
LAB ID: 117948-0018-SA
Matrix: SOIL — Sampled: 03 APR 96 — Received: 03 APR 96
Authorized: 04 APR 96 — Prepared: See Below — Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	10 APR 96	10 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	10 APR 96	10 APR 96
Barium	120		1.0	20.0	mg/kg	SW6010	10 APR 96	10 APR 96
Beryllium	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Cadmium	0.20		1.0	0.20	mg/kg	SW6010	10 APR 96	10 APR 96
Chromium	18.0		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Cobalt	12.1		1.0	5.0	mg/kg	SW6010	10 APR 96	10 APR 96
Copper	19.4		1.0	2.5	mg/kg	SW6010	10 APR 96	10 APR 96
Lead	8.0		1.0	0.30	mg/kg	SW6010	10 APR 96	10 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	10 APR 96	11 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	10 APR 96	10 APR 96
Nickel	11.4		1.0	4.0	mg/kg	SW6010	10 APR 96	10 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	10 APR 96	10 APR 96
Vanadium	34.5		1.0	5.0	mg/kg	SW6010	10 APR 96	10 APR 96
Zinc	53.3	B	1.0	2.0	mg/kg	SW6010	10 APR 96	10 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	04 APR 96	05 APR 96

B = Compound is also detected in the blank.
ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3E2-10
LAB ID: 117948-0019-SA
Matrix: SOIL — Sampled: 03 APR 96 — Received: 03 APR 96
Authorized: 04 APR 96 — Prepared: See Below — Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	10 APR 96	10 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	10 APR 96	10 APR 96
Barium	162		1.0	20.0	mg/kg	SW6010	10 APR 96	10 APR 96
Beryllium	0.92		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	10 APR 96	10 APR 96
Chromium	27.0		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Cobalt	25.0		1.0	5.0	mg/kg	SW6010	10 APR 96	10 APR 96
Copper	45.4		1.0	2.5	mg/kg	SW6010	10 APR 96	10 APR 96
Lead	7.4		1.0	0.30	mg/kg	SW6010	10 APR 96	10 APR 96
Mercury	0.042		1.0	0.040	mg/kg	SW7471	10 APR 96	11 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	10 APR 96	10 APR 96
Nickel	21.0		1.0	4.0	mg/kg	SW6010	10 APR 96	10 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	10 APR 96	10 APR 96
Vanadium	59.5		1.0	5.0	mg/kg	SW6010	10 APR 96	10 APR 96
Zinc	82.4	B	1.0	2.0	mg/kg	SW6010	10 APR 96	10 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	04 APR 96	05 APR 96

B = Compound is also detected in the blank.
ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3E1-5
LAB ID: 117948-0023-SA
Matrix: SOIL — Sampled: 03 APR 96 — Received: 03 APR 96
Authorized: 04 APR 96 — Prepared: See Below — Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	10 APR 96	10 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	10 APR 96	10 APR 96
Barium	106		1.0	20.0	mg/kg	SW6010	10 APR 96	10 APR 96
Beryllium	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	10 APR 96	10 APR 96
Chromium	18.1		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Cobalt	11.2		1.0	5.0	mg/kg	SW6010	10 APR 96	10 APR 96
Copper	52.8		1.0	2.5	mg/kg	SW6010	10 APR 96	10 APR 96
Lead	6.2		1.0	0.30	mg/kg	SW6010	10 APR 96	10 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	10 APR 96	11 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	10 APR 96	10 APR 96
Nickel	11.6		1.0	4.0	mg/kg	SW6010	10 APR 96	10 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	10 APR 96	10 APR 96
Vanadium	36.0		1.0	5.0	mg/kg	SW6010	10 APR 96	10 APR 96
Zinc	73.3	B	1.0	2.0	mg/kg	SW6010	10 APR 96	10 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	04 APR 96	05 APR 96

B = Compound is also detected in the blank.
ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3E1-10
LAB ID: 117948-0024-SA
Matrix: SOIL — Sampled: 03 APR 96 — Received: 03 APR 96
Authorized: 04 APR 96 — Prepared: See Below — Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	10 APR 96	10 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	10 APR 96	10 APR 96
Barium	195		1.0	20.0	mg/kg	SW6010	10 APR 96	10 APR 96
Beryllium	0.99		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Cadmium	0.22		1.0	0.20	mg/kg	SW6010	10 APR 96	10 APR 96
Chromium	33.9		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Cobalt	21.8		1.0	5.0	mg/kg	SW6010	10 APR 96	10 APR 96
Copper	34.9		1.0	2.5	mg/kg	SW6010	10 APR 96	10 APR 96
Lead	6.8		1.0	0.30	mg/kg	SW6010	10 APR 96	10 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	10 APR 96	11 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	10 APR 96	10 APR 96
Nickel	23.9		1.0	4.0	mg/kg	SW6010	10 APR 96	10 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	10 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	10 APR 96	10 APR 96
Vanadium	65.9		1.0	5.0	mg/kg	SW6010	10 APR 96	10 APR 96
Zinc	94.3	B	1.0	2.0	mg/kg	SW6010	10 APR 96	10 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	04 APR 96	05 APR 96

B = Compound is also detected in the blank.
ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3H-5
LAB ID: 117948-0028-SA
Matrix: SOIL
Authorized: 04 APR 96

Sampled: 03 APR 96
Prepared: See Below

Received: 03 APR 96
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	10 APR 96	11 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	10 APR 96	11 APR 96
Barium	163		1.0	20.0	mg/kg	SW6010	10 APR 96	11 APR 96
Beryllium	0.70		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	10 APR 96	11 APR 96
Chromium	29.9		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Cobalt	14.8		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Copper	31.9		1.0	2.5	mg/kg	SW6010	10 APR 96	11 APR 96
Lead	7.4		1.0	0.30	mg/kg	SW6010	10 APR 96	11 APR 96
Mercury	0.044		1.0	0.040	mg/kg	SW7471	10 APR 96	11 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	10 APR 96	11 APR 96
Nickel	20.5		1.0	4.0	mg/kg	SW6010	10 APR 96	11 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	10 APR 96	11 APR 96
Vanadium	56.6		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Zinc	72.3	B	1.0	2.0	mg/kg	SW6010	10 APR 96	11 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	04 APR 96	05 APR 96

B = Compound is also detected in the blank.
ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3H-10
LAB ID: 117948-0029-SA
Matrix: SOIL — Sampled: 03 APR 96 — Received: 03 APR 96
Authorized: 04 APR 96 — Prepared: See Below — Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	10 APR 96	11 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	10 APR 96	11 APR 96
Barium	204		1.0	20.0	mg/kg	SW6010	10 APR 96	11 APR 96
Beryllium	0.87		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	10 APR 96	11 APR 96
Chromium	28.8		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Cobalt	36.2		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Copper	171		1.0	2.5	mg/kg	SW6010	10 APR 96	11 APR 96
Lead	6.6		1.0	0.30	mg/kg	SW6010	10 APR 96	11 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	10 APR 96	11 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	10 APR 96	11 APR 96
Nickel	37.8		1.0	4.0	mg/kg	SW6010	10 APR 96	11 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	10 APR 96	11 APR 96
Vanadium	61.2		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Zinc	122	B	1.0	2.0	mg/kg	SW6010	10 APR 96	11 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	04 APR 96	05 APR 96

B = Compound is also detected in the blank.
ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3C1-10
LAB ID: 117948-0001-SA
Matrix: SOIL Sampled: 02 APR 96 Received: 03 APR 96
Authorized: 04 APR 96 Prepared: 05 APR 96 Analyzed: 09 APR 96
Instrument: GC/ECD-PVB Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Aroclor 1016	ND		33	ug/kg
Aroclor 1221	ND		33	ug/kg
Aroclor 1232	ND		33	ug/kg
Aroclor 1242	ND		33	ug/kg
Aroclor 1248	ND		33	ug/kg
Aroclor 1254	ND		33	ug/kg
Aroclor 1260	ND		33	ug/kg

Surrogate	Recovery		Acceptable Range
2,4,5,6-Tetrachloro-m-xylene	84	%	60 - 150
Decachlorobiphenyl	91	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3C1-15
LAB ID: 117948-0002-SA
Matrix: SOIL — Sampled: 02 APR 96 — Received: 03 APR 96
Authorized: 04 APR 96 — Prepared: 05 APR 96 — Analyzed: 09 APR 96
Instrument: GC/ECD-PVB — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Aroclor 1016	ND		33	ug/kg
Aroclor 1221	ND		33	ug/kg
Aroclor 1232	ND		33	ug/kg
Aroclor 1242	ND		33	ug/kg
Aroclor 1248	ND		33	ug/kg
Aroclor 1254	ND		33	ug/kg
Aroclor 1260	ND		33	ug/kg

Surrogate	Recovery		Acceptable Range
2,4,5,6-Tetrachloro-m-xylene	89	%	60 - 150
Decachlorobiphenyl	89	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3C2-10
LAB ID: 117948-0007-SA
Matrix: SOIL Sampled: 03 APR 96 Received: 03 APR 96
Authorized: 04 APR 96 Prepared: 05 APR 96 Analyzed: 09 APR 96
Instrument: GC/ECD-PVB Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Aroclor 1016	ND		33	ug/kg
Aroclor 1221	ND		33	ug/kg
Aroclor 1232	ND		33	ug/kg
Aroclor 1242	ND		33	ug/kg
Aroclor 1248	ND		33	ug/kg
Aroclor 1254	ND		33	ug/kg
Aroclor 1260	ND		33	ug/kg

Surrogate	Recovery		Acceptable Range
2,4,5,6-Tetrachloro-m-xylene	79	%	60 - 150
Decachlorobiphenyl	96	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3C2-15
LAB ID: 117948-0008-SA
Matrix: SOIL Sampled: 03 APR 96 Received: 03 APR 96
Authorized: 04 APR 96 Prepared: 05 APR 96 Analyzed: 09 APR 96
Instrument: GC/ECD-PVB Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Aroclor 1016	ND		33	ug/kg
Aroclor 1221	ND		33	ug/kg
Aroclor 1232	ND		33	ug/kg
Aroclor 1242	ND		33	ug/kg
Aroclor 1248	ND		33	ug/kg
Aroclor 1254	ND		33	ug/kg
Aroclor 1260	ND		33	ug/kg

Surrogate	Recovery		Acceptable Range
2,4,5,6-Tetrachloro-m-xylene	88	%	60 - 150
Decachlorobiphenyl	88	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3D1-13
LAB ID: 117948-0013-SA
Matrix: SOIL Sampled: 03 APR 96 Received: 03 APR 96
Authorized: 04 APR 96 Prepared: 05 APR 96 Analyzed: 09 APR 96
Instrument: GC/ECD-PVB Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Aroclor 1016	ND		33	ug/kg
Aroclor 1221	ND		33	ug/kg
Aroclor 1232	ND		33	ug/kg
Aroclor 1242	ND		33	ug/kg
Aroclor 1248	ND		33	ug/kg
Aroclor 1254	ND		33	ug/kg
Aroclor 1260	ND		33	ug/kg

Surrogate	Recovery		Acceptable Range
2,4,5,6-Tetrachloro-m-xylene	76	%	60 - 150
Decachlorobiphenyl	92	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3D1-18
LAB ID: 117948-0014-SA
Matrix: SOIL — Sampled: 03 APR 96 — Received: 03 APR 96
Authorized: 04 APR 96 — Prepared: 05 APR 96 — Analyzed: 09 APR 96
Instrument: GC/ECD-PVB — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Aroclor 1016	ND		33	ug/kg
Aroclor 1221	ND		33	ug/kg
Aroclor 1232	ND		33	ug/kg
Aroclor 1242	ND		33	ug/kg
Aroclor 1248	ND		33	ug/kg
Aroclor 1254	ND		33	ug/kg
Aroclor 1260	ND		33	ug/kg

Surrogate	Recovery		Acceptable Range
2,4,5,6-Tetrachloro-m-xylene	84	%	60 - 150
Decachlorobiphenyl	89	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3E2-5
LAB ID: 117948-0018-SA
Matrix: SOIL Sampled: 03 APR 96 Received: 03 APR 96
Authorized: 04 APR 96 Prepared: 05 APR 96 Analyzed: 09 APR 96
Instrument: GC/ECD-PVB Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Aroclor 1016	ND		33	ug/kg
Aroclor 1221	ND		33	ug/kg
Aroclor 1232	ND		33	ug/kg
Aroclor 1242	ND		33	ug/kg
Aroclor 1248	ND		33	ug/kg
Aroclor 1254	ND		33	ug/kg
Aroclor 1260	ND		33	ug/kg

Surrogate	Recovery		Acceptable Range
2,4,5,6-Tetrachloro-m-xylene	86	%	60 - 150
Decachlorobiphenyl	90	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3E2-10
LAB ID: 117948-0019-SA
Matrix: SOIL Sampled: 03 APR 96 Received: 03 APR 96
Authorized: 04 APR 96 Prepared: 05 APR 96 Analyzed: 09 APR 96
Instrument: GC/ECD-PVB Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Aroclor 1016	ND		33	ug/kg
Aroclor 1221	ND		33	ug/kg
Aroclor 1232	ND		33	ug/kg
Aroclor 1242	ND		33	ug/kg
Aroclor 1248	ND		33	ug/kg
Aroclor 1254	ND		33	ug/kg
Aroclor 1260	ND		33	ug/kg

Surrogate	Recovery		Acceptable Range
2,4,5,6-Tetrachloro-m-xylene	81	%	60 - 150
Decachlorobiphenyl	88	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3E1-5
LAB ID: 117948-0023-SA
Matrix: SOIL Sampled: 03 APR 96 Received: 03 APR 96
Authorized: 04 APR 96 Prepared: 05 APR 96 Analyzed: 09 APR 96
Instrument: GC/ECD-PVB Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Aroclor 1016	ND		33	ug/kg
Aroclor 1221	ND		33	ug/kg
Aroclor 1232	ND		33	ug/kg
Aroclor 1242	ND		33	ug/kg
Aroclor 1248	ND		33	ug/kg
Aroclor 1254	ND		33	ug/kg
Aroclor 1260	ND		33	ug/kg

Surrogate	Recovery		Acceptable Range
2,4,5,6-Tetrachloro-m-xylene	90	%	60 - 150
Decachlorobiphenyl	87	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3E1-10
LAB ID: 117948-0024-SA
Matrix: SOIL Sampled: 03 APR 96 Received: 03 APR 96
Authorized: 04 APR 96 Prepared: 05 APR 96 Analyzed: 09 APR 96
Instrument: GC/ECD-PVB Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Aroclor 1016	ND		33	ug/kg
Aroclor 1221	ND		33	ug/kg
Aroclor 1232	ND		33	ug/kg
Aroclor 1242	ND		33	ug/kg
Aroclor 1248	ND		33	ug/kg
Aroclor 1254	ND		33	ug/kg
Aroclor 1260	ND		33	ug/kg

Surrogate	Recovery		Acceptable Range
2,4,5,6-Tetrachloro-m-xylene	74	%	60 - 150
Decachlorobiphenyl	90	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3H-5
LAB ID: 117948-0028-SA
Matrix: SOIL — Sampled: 03 APR 96 — Received: 03 APR 96
Authorized: 04 APR 96 — Prepared: 05 APR 96 — Analyzed: 09 APR 96
Instrument: GC/ECD-PVB — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Aroclor 1016	ND		33	ug/kg
Aroclor 1221	ND		33	ug/kg
Aroclor 1232	ND		33	ug/kg
Aroclor 1242	ND		33	ug/kg
Aroclor 1248	ND		33	ug/kg
Aroclor 1254	ND		33	ug/kg
Aroclor 1260	ND		33	ug/kg

Surrogate	Recovery		Acceptable Range
2,4,5,6-Tetrachloro-m-xylene	97	%	60 - 150
Decachlorobiphenyl	88	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3H-10
LAB ID: 117948-0029-SA
Matrix: SOIL Sampled: 03 APR 96 Received: 03 APR 96
Authorized: 04 APR 96 Prepared: 05 APR 96 Analyzed: 09 APR 96
Instrument: GC/ECD-PVB Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Aroclor 1016	ND		33	ug/kg
Aroclor 1221	ND		33	ug/kg
Aroclor 1232	ND		33	ug/kg
Aroclor 1242	ND		33	ug/kg
Aroclor 1248	ND		33	ug/kg
Aroclor 1254	ND		33	ug/kg
Aroclor 1260	ND		33	ug/kg

Surrogate	Recovery		Acceptable Range
2,4,5,6-Tetrachloro-m-xylene	105	%	60 - 150
Decachlorobiphenyl	95	%	60 - 150

ND = Not Detected

Quanterra
Environmental Services

QC LOT ASSIGNMENT REPORT - MS QC
Metals Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK/LCS)	MS QC Run Number (SA,MS,SD,DU)
117948-0001-SA	SOLID	ICP-S		10 APR 96-CX	10 APR 96-CA
117948-0001-SA	SOLID	HG-CVAA-S		10 APR 96-HX	10 APR 96-HA
117948-0002-SA	SOLID	ICP-S		10 APR 96-CX	10 APR 96-CA
117948-0002-SA	SOLID	HG-CVAA-S		10 APR 96-HX	10 APR 96-HA
117948-0007-SA	SOLID	ICP-S		10 APR 96-CX	10 APR 96-CA
117948-0007-SA	SOLID	HG-CVAA-S		10 APR 96-HX	10 APR 96-HA
117948-0008-SA	SOLID	ICP-S		10 APR 96-CX	10 APR 96-CA
117948-0008-SA	SOLID	HG-CVAA-S		10 APR 96-HX	10 APR 96-HA
117948-0013-SA	SOLID	ICP-S		10 APR 96-CX	10 APR 96-CA
117948-0013-SA	SOLID	HG-CVAA-S		10 APR 96-HX	10 APR 96-HA
117948-0014-SA	SOLID	ICP-S		10 APR 96-CX	10 APR 96-CA
117948-0014-SA	SOLID	HG-CVAA-S		10 APR 96-HX	10 APR 96-HA
117948-0018-SA	SOLID	ICP-S		10 APR 96-CX	10 APR 96-CA
117948-0018-SA	SOLID	HG-CVAA-S		10 APR 96-HX	10 APR 96-HA
117948-0019-SA	SOLID	ICP-S		10 APR 96-CX	10 APR 96-CA
117948-0019-SA	SOLID	HG-CVAA-S		10 APR 96-HX	10 APR 96-HA
117948-0023-SA	SOLID	ICP-S		10 APR 96-CX	10 APR 96-CA
117948-0023-SA	SOLID	HG-CVAA-S		10 APR 96-HX	10 APR 96-HA
117948-0024-SA	SOLID	ICP-S		10 APR 96-CX	10 APR 96-CA
117948-0024-SA	SOLID	HG-CVAA-S		10 APR 96-HX	10 APR 96-HA
117948-0028-SA	SOLID	ICP-S		10 APR 96-CX	10 APR 96-CA
117948-0028-SA	SOLID	HG-CVAA-S		10 APR 96-HX	10 APR 96-HA
117948-0029-SA	SOLID	ICP-S		10 APR 96-CX	10 APR 96-CA
117948-0029-SA	SOLID	HG-CVAA-S		10 APR 96-HX	10 APR 96-HA

Quanterra Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Metals Analysis and Preparation
Project: 117948

Category: ICP-S ICP Metals
Matrix: SOLID
Date Analyzed: 10 APR 96
QC Run: 10 APR 96-CX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Antimony	50.0	48.9	98	70-110
Arsenic	200	196	98	75-110
Barium	200	193	97	85-115
Beryllium	5.00	5.04	101	80-115
Cadmium	5.00	5.26	105	80-115
Chromium	20.0	20.7	104	85-120
Cobalt	50.0	52.1	104	85-120
Copper	25.0	23.6	95	85-115
Lead	50.0	52.3	105	80-110
Molybdenum	100	101	101	80-115
Nickel	50.0	52.7	105	85-115
Selenium	200	196	98	70-105
Silver	5.00	4.78	96	80-110
Thallium	200	205	102	80-110
Vanadium	50.0	50.2	100	85-115
Zinc	50.0	52.8	106	80-115

Category: HG-CVAA-S Mercury by CVAA
Matrix: SOLID
Date Analyzed: 11 APR 96
QC Run: 10 APR 96-HX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.750	0.735	98	80-120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra Environmental Services

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Metals Analysis and Preparation
Project: 117948

Category: ICP-S ICP Metals
Matrix: SOLID
Sample: 117948-0001
MS Run: 10 APR 96-CA
Units: mg/kg

Analyte	Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
		Concentration							
Antimony	ND	8.45 n	8.86 n	50.0	17	18	4.8	70-110	20
Arsenic	ND	181	182	200	91	91	0.5	75-110	20
Barium	170	387	375	200	109	103	5.5	85-115	20
Beryllium	0.657	5.39	5.46	5.00	95	96	1.4	80-115	20
Cadmium	ND	4.72	4.71	5.00	94	94	0.2	80-115	20
Chromium	28.3	46.5	48.8	20.0	91	103	12	85-120	20
Cobalt	17.1	65.3	61.4	50.0	97	89	8.4	85-120	20
Copper	28.4	53.0	52.0	25.0	98	95	3.9	85-115	20
Lead	6.16	52.2	51.5	50.0	92	91	1.5	80-110	20
Molybdenum	ND	88.2	89.5	100	88	89	1.5	80-115	20
Nickel	19.3	65.8	65.0	50.0	93	91	1.9	85-115	20
Selenium	ND	172	173	200	86	86	0.7	70-105	20
Silver	ND	4.65	4.70	5.00	93	94	1.2	80-110	20
Thallium	ND	183	183	200	91	92	0.2	80-110	20
Vanadium	55.5	102	105	50.0	93	99	6.7	85-115	20
Zinc	74.8	117	118	50.0	85	87	2.3	80-115	20

Category: HG-CVAA-S Mercury by CVAA
Matrix: SOLID
Sample: 117948-0001
MS Run: 10 APR 96-HA
Units mg/kg Units Qualifier: Wet wt.

Analyte	Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
		Concentration							
Mercury	ND	0.778	0.792	0.750	104	106	1.8	80-120	20

= Spiked analyte out of matrix spike acceptance limits; refer to lab control sample results.
= Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

METHOD BLANK REPORT
Metals Analysis and Preparation
Project: 117948

Test: ICPT-CAM-S Method 6010 - CAM TTLC Metals
Matrix: SOLID
QC Run: 10 APR 96-CX Date Analyzed: 10 APR 96

Analyte	Result	Units	Reporting Limit
Antimony	ND	mg/kg	1.0
Arsenic	ND	mg/kg	10.0
Barium	ND	mg/kg	20.0
Beryllium	ND	mg/kg	0.50
Cadmium	ND	mg/kg	0.20
Chromium	ND	mg/kg	0.50
Cobalt	ND	mg/kg	5.0
Copper	ND	mg/kg	2.5
Lead	ND	mg/kg	0.30
Molybdenum	ND	mg/kg	4.0
Nickel	ND	mg/kg	4.0
Selenium	ND	mg/kg	0.50
Silver	ND	mg/kg	0.50
Thallium	ND	mg/kg	200
Vanadium	ND	mg/kg	5.0
Zinc	2.3	mg/kg	2.0

Test: HG-CVAA-S Method 7471 - Mercury, Cold Vapor AA
Matrix: SOLID
QC Run: 10 APR 96-HX Date Analyzed: 11 APR 96

Analyte	Result	Units	Reporting Limit
Mercury	ND	mg/kg	0.040

ND = Not Detected

Quanterra
Environmental Services

QC LOT ASSIGNMENT REPORT - MS QC
Wet Chemistry Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK/LCS)	MS QC Run Number (SA,MS,SD,DU)
117948-0001-SA	SOLID	CR6-S		04 APR 96-AX	04 APR 96-AA
117948-0002-SA	SOLID	CR6-S		04 APR 96-AX	04 APR 96-AA
117948-0007-SA	SOLID	CR6-S		04 APR 96-AX	04 APR 96-AA
117948-0008-SA	SOLID	CR6-S		04 APR 96-AX	04 APR 96-AA
117948-0013-SA	SOLID	CR6-S		04 APR 96-AX	04 APR 96-AA
117948-0014-SA	SOLID	CR6-S		04 APR 96-AX	04 APR 96-AA
117948-0018-SA	SOLID	CR6-S		04 APR 96-AX	04 APR 96-AA
117948-0019-SA	SOLID	CR6-S		04 APR 96-AX	04 APR 96-AA
117948-0023-SA	SOLID	CR6-S		04 APR 96-AX	04 APR 96-AA
117948-0024-SA	SOLID	CR6-S		04 APR 96-AX	04 APR 96-AA
117948-0028-SA	SOLID	CR6-S		04 APR 96-AX	04 APR 96-AA
117948-0029-SA	SOLID	CR6-S		04 APR 96-AX	04 APR 96-AA

Quanterra
Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Wet Chemistry Analysis and Preparation
Project: 117948

Category: CR6-S Method 7196 - Chromium, Hexavalent
Matrix: SOLID Date Analyzed: 05 APR 96
QC Run: 04 APR 96-AX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Chromium, Hexavalent	0.250	0.237	95	70-122

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra Environmental Services

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Wet Chemistry Analysis and Preparation
Project: 117948

Category: CR6-S Method 7196 - Chromium, Hexavalent
Matrix: SOLID
Sample: 117948-0001
MS Run: 04 APR 96-AA
Units: mg/kg

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Chromium, Hexavalent	ND	0.182	0.172	0.250	73	69	5.6	33-136	41

ND = Not Detected

alculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

METHOD BLANK REPORT
Wet Chemistry Analysis and Preparation
Project: 117948

Test: CR6-S
Matrix: SOLID
QC Run: 04 APR 96-AX

Method 7196 - Chromium, Hexavalent

Date Analyzed: 05 APR 96

Analyte	Result	Units	Reporting Limit
Chromium, Hexavalent	ND	mg/kg	0.10

ND = Not Detected

Quanterra
Environmental Services

QC LOT ASSIGNMENT REPORT - MS QC
Semivolatile Organics by GC

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK/LCS)	MS QC Run Number (SA,MS,SD,DU)
117948-0001-SA	SOLID	PCB-S		05 APR 96-BX	05 APR 96-BA
117948-0002-SA	SOLID	PCB-S		05 APR 96-BX	05 APR 96-BA
117948-0007-SA	SOLID	PCB-S		05 APR 96-BX	05 APR 96-BA
117948-0008-SA	SOLID	PCB-S		05 APR 96-BX	05 APR 96-BA
117948-0013-SA	SOLID	PCB-S		05 APR 96-BX	05 APR 96-BA
117948-0014-SA	SOLID	PCB-S		05 APR 96-BX	05 APR 96-BA
117948-0018-SA	SOLID	PCB-S		05 APR 96-BX	05 APR 96-BA
117948-0019-SA	SOLID	PCB-S		05 APR 96-BX	05 APR 96-BA
117948-0023-SA	SOLID	PCB-S		05 APR 96-BX	05 APR 96-BA
117948-0024-SA	SOLID	PCB-S		05 APR 96-BX	05 APR 96-BA
117948-0028-SA	SOLID	PCB-S		05 APR 96-BX	05 APR 96-BA
117948-0029-SA	SOLID	PCB-S		05 APR 96-BX	05 APR 96-BA

Quanterra
Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Semivolatile Organics by GC
Project: 117948

Category: PCB-S PCBs
Matrix: SOLID
QC Run: 05 APR 96-BX
Concentration Units: ug/kg

Date Analyzed: 09 APR 96

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Aroclor 1254	167	171	102	43-106

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra Environmental Services

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Semivolatile Organics by GC
Project: 117948

Category: PCB-S PCBs
Matrix: SOLID
Sample: 117948-0001
MS Run: 05 APR 96-BA
Units ug/kg Units Qualifier: Wet wt.

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Aroclor 1254	ND	134	134	167	80	80	0.5	18-180	37

ND = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

SINGLE CONTROL SAMPLE REPORT
Semivolatile Organics by GC
Project: 117948

Category: PCB-S PCBs
Matrix: SOLID
QC Run: 05 APR 96-BX
Date Analyzed: 09 APR 96
Concentration Units: ug/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) SCS	Accuracy(%) Limits
2,4,5,6-Tetrachloro-m-xylene	6.67	6.56	98	60-150
Decachlorobiphenyl	6.67	6.77	101	60-150

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra Environmental Services

METHOD BLANK REPORT
Semivolatile Organics by GC
Project: 117948

Test: 8080-PCB-S Method 8080 - PCBs
Matrix: SOLID
QC Run: 05 APR 96-BX Date Analyzed: 09 APR 96

Analyte	Result	Units	Reporting Limit
Aroclor 1016	ND	ug/kg	33
Aroclor 1221	ND	ug/kg	33
Aroclor 1232	ND	ug/kg	33
Aroclor 1242	ND	ug/kg	33
Aroclor 1248	ND	ug/kg	33
Aroclor 1254	ND	ug/kg	33
Aroclor 1260	ND	ug/kg	33

ND = Not Detected

Appendix C5

Quanterra
Environmental Services

Quanterra Incorporated
1721 South Grand Avenue
Santa Ana, California 92705

714 258-8610 Telephone
714 258-0921 Fax

April 24, 1996

KENNEDY/JENKS CONSULTANTS
2151 MICHELSON DRIVE
SUITE 100
IRVINE, CA 92715
ATTN: MR. RICK PASTORE

LIMS NO.: 117979-0001/0011
DATE SAMPLED: 04-MAR-1996
DATE SAMPLE REC'D: 05-MAR-1996
PROJECT: 954019.01 / DAC PHASE II

Enclosed with this letter is the report containing the analytical results for the project specified above.

The Narrative section included in the following attachment provides a detailed description of all events that occurred during sample processing, analysis, and data review as applicable to the samples and analytical methods requested.

Report data sheets contain a list of the requested constituents measured in each test, the analytical results, and the standard reporting limits (RLs). Reporting limits are adjusted to reflect any dilution or dry weight correction, when applicable. Also provided in this report are the LIMS Report Key and the terms and abbreviations commonly used in our reports.

Preliminary PCB data were provided on April 15, 1996 at 6:28 PM to Rick Pastore. Preliminary metals data were provided on April 17, 1996 at 2:05 PM to Rick Pastore.

The report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions regarding the data provided in this report, please call Pat Abe at (714) 258-8610. Release of this report has been authorized by the Lab Director or the designee as demonstrated by the following signature.

Sincerely,

M. Velazquez

Project Manager

cc: Project File

BOE-C6-0077684

LIMS REPORT KEY

Quanterra Environmental Services

Section	Description
Cover letter	Signature page, report narrative as applicable.
Sample Description Information	Tabulated cross-reference between the Lab ID and Client ID, including matrix, date and time sampled and the date received for all samples in the project.
Sample Analysis Results Sheets	Lists sample results, test components, reporting limits, dates prepared and analyzed and any data qualifiers. Pages are organized by test.
QC Lot Assignment Report	Cross-reference between lab IDs and applicable QC batches (DCS, LCS, SCS, Blank, MS/SD, DU)
Duplicate Control Sample Report	Percent recovery and RPD results, with acceptance limits, for the laboratory Duplicate Control Samples for each test are tabulated in this report. These are measures of accuracy and precision for each test.
Laboratory Control Sample Report	Percent recovery results for a single Laboratory Control Sample (if applicable) are tabulated in this report, with the applicable acceptance limits for each test.
Matrix Spike/Matrix Spike Duplicate Report	Percent recovery and RPD results for matrix-specific QC samples and acceptance limits, where applicable. This report can be used to assess matrix effects on an analysis.
Single Control Sample Report	A tabulation of the surrogate recoveries for the blank for organic analyses.
Method Blank Report	A summary of the results of the analysis of the method blank for each test.

List of Abbreviations and Terms

DCS	Duplicate Control Sample	MSD	Matrix Spike Duplicate
DU	Sample Duplicate	QC Run	Preparation batch
EB	Equipment Blank	QC Category	LIMS QC Category
FB	Field Blank	QC Lot	DCS batch
FD	Field Duplicate	ND	Not Detected at the reporting limit expressed
IDL	Instrument Detection Limit	QC Matrix	Matrix of the laboratory control sample (s)
LCS	Laboratory Control Sample	RL	Reporting Limit
MB	Method Blank	QC	Quality Control
MDL	Method Detection Limit	SA	Sample
MS	Matrix Spike	SD	See MSD
RPD	Relative Percent Difference	TB	Trip Blank
ppm (parts-per-million)	mg/L or mg/kg	ppb (parts-per-billion)	μg/L or μg/kg
QUAL	Qualifier flag	DIL	Dilution Factor

Refer to the Quanterra Incorporated Quality Assurance Management Plan for detailed explanations of terms summarized above.

Quanterra Environmental Services

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A. LIMS Datasheets
B. QC Summaries

Quanterra
Environmental Services

CASE NARRATIVE

LIMS # 117979

I. CONDITION UPON RECEIPT

Cooler was received intact. The temperature of the cooler was 3.1 °C.

Sample containers were received intact. Sample container labels did agree with the COC as to sample ID and requested tests. As confirmed with Jay Knight on April 9, 1996, samples listed on the chain of custody with the prefix of "15" were corrected to "14," a collection date of April 5, 1996 was added to the COC.

Samples were received in time to meet the method holding time specifications.

II. ORGANIC ANALYSES (BY METHOD: PCBs/SW8080)

HOLDING TIME
All samples were prepared and analyzed within the method-specified holding time requirements.

METHOD BLANK
All method blanks met method- and/or project-specific QC criteria.

MS/MSD/LCS/DCS AND RPDs
Except for antimony in the MS/MSD, all spike recovery and RPD data met method- and/or project-specific QC criteria. Matrix spike/matrix spike duplicate spike recoveries were outside the acceptance limits for antimony. However, the acceptable LCS analysis data indicated that the analytical system was operating within control and this condition is most likely due to matrix interference.

SURROGATE RECOVERIES
All surrogate spike recoveries in samples and in QC samples met method- and/or project-specific QC criteria.

CALIBRATIONS
All calibrations and calibration verifications met method- and/or project-specific QC criteria.

III. METALS (BY METHOD: SW6010; SW7000 Series; etc.)

HOLDING TIME
All samples were prepared and analyzed within the method-specified holding time requirements.

METHOD BLANK
Please note, the prep blank associated with the SW6010 analysis of samples -0002, -0006 and -0008 yielded a hit for zinc at 2.3 mg/kg, versus a reporting limit of 2.0 mg/kg. The concentration of zinc in these samples was greater that 20 times that of the blank; therefore, reprep and reanalysis was not necessary. All other method blank data met method- and/or project-specific QC criteria.

CASE NARRATIVE

LIMS # 117979

MS/MSD/LCS/DCS AND RPDs
All spike recovery and RPD data met method- and/or project-specific QC criteria.

CALIBRATIONS
All calibrations and calibration verifications met method- and/or project-specific QC criteria.

IV. GENERAL CHEMISTRY (BY METHOD: SW7196)

HOLDING TIME
All samples were prepared and analyzed within the method-specified holding time requirements.

METHOD BLANK
All method blanks met method- and/or project-specific QC criteria.

MS/MSD/LCS/DCS AND RPDs
All spike recovery and RPD data met method- and/or project-specific QC criteria.

CALIBRATIONS
All calibrations and calibration verifications met method- and/or project-specific QC criteria.

teg TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY

11+971

CHAIN-OF-CUSTODY RECORD

P.O. #:

CLIENT: Kennedy Jenks

ADDRESS: 2151 Michelson Dr., Ste. 100

PHONE: FAX:

CLIENT PROJECT #: 954019.01 PROJECT MANAGER:

DATE: 4-4-96 PAGE 1 OF 1 OUTSIDE LAB #

TEG PROJECT #:

LOCATION: Douglas Aircraft

COLLECTOR: Jay Knight

DATE OF COLLECTION: 4-3,4-96

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PES (PCBs 8080)	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS (6010)	Hold	FIELD NOTES	Total Number Of Containers	Laboratory Note Number
~~3H-15~~ JK																								
3H-20	20																			X				
3G-5	5												X						X					
3G-15	15																			X				
3G-20	20																			X				
3G-25	25																			X				
3G-10	10												X						X					
15-5	5												~~X~~ JK						X					
15-10	10												~~X~~ JK						X					
15-15	15																			X				
15-20	20																			X				
15-25	25																			X				
4																								
4/9/96 per Jay Knight																								

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Jay Knight	4-5-96 1108	[illegible]	4/5/96 1105
[illegible]	4/5/96 12:45	[illegible]	1245

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS

CHAIN OF CUSTODY SEALS Y/N/NA

SEALS INTACT? Y/N/NA

RECEIVED GOOD COND./COLD

NOTES:

LABORATORY NOTES:

BOE-C6-0077689

Quanterra
Environmental Services

SAMPLE DESCRIPTION INFORMATION
for
Kennedy/Jenks Consultants

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
117979-0001-SA	3H-20	SOIL	03 APR 96		05 APR 96
117979-0002-SA	3G-5	SOIL	04 APR 96		05 APR 96
117979-0003-SA	3G-15	SOIL	04 APR 96		05 APR 96
117979-0004-SA	3G-20	SOIL	04 APR 96		05 APR 96
117979-0005-SA	3G-25	SOIL	04 APR 96		05 APR 96
117979-0006-SA	3G-10	SOIL	04 APR 96		05 APR 96
117979-0007-SA	14-5	SOIL	05 APR 96		05 APR 96
117979-0008-SA	14-10	SOIL	05 APR 96		05 APR 96
117979-0009-SA	14-15	SOIL	05 APR 96		05 APR 96
117979-0010-SA	14-20	SOIL	05 APR 96		05 APR 96
117979-0011-SA	14-25	SOIL	05 APR 96		05 APR 96

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3G-5
LAB ID: 117979-0002-SA
Matrix: SOIL — Sampled: 04 APR 96 — Received: 05 APR 96
Authorized: 05 APR 96 — Prepared: See Below — Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	10 APR 96	11 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	10 APR 96	11 APR 96
Barium	143		1.0	20.0	mg/kg	SW6010	10 APR 96	11 APR 96
Beryllium	0.56		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	10 APR 96	11 APR 96
Chromium	24.0		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Cobalt	14.5		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Copper	28.9		1.0	2.5	mg/kg	SW6010	10 APR 96	11 APR 96
Lead	9.2		1.0	0.30	mg/kg	SW6010	10 APR 96	11 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	10 APR 96	11 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	10 APR 96	11 APR 96
Nickel	16.3		1.0	4.0	mg/kg	SW6010	10 APR 96	11 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	10 APR 96	11 APR 96
Vanadium	46.3		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Zinc	63.8	B	1.0	2.0	mg/kg	SW6010	10 APR 96	11 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	05 APR 96	06 APR 96

B = Compound is also detected in the blank.
ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3G-10
LAB ID: 117979-0006-SA
Matrix: SOIL — Sampled: 04 APR 96 — Received: 05 APR 96
Authorized: 05 APR 96 — Prepared: See Below — Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	10 APR 96	11 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	10 APR 96	11 APR 96
Barium	112		1.0	20.0	mg/kg	SW6010	10 APR 96	11 APR 96
Beryllium	0.81		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	10 APR 96	11 APR 96
Chromium	29.4		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Cobalt	14.3		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Copper	34.2		1.0	2.5	mg/kg	SW6010	10 APR 96	11 APR 96
Lead	5.8		1.0	0.30	mg/kg	SW6010	10 APR 96	11 APR 96
Mercury	0.094		1.0	0.040	mg/kg	SW7471	10 APR 96	11 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	10 APR 96	11 APR 96
Nickel	16.9		1.0	4.0	mg/kg	SW6010	10 APR 96	11 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	10 APR 96	11 APR 96
Vanadium	65.6		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Zinc	79.9	B	1.0	2.0	mg/kg	SW6010	10 APR 96	11 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	05 APR 96	06 APR 96

B = Compound is also detected in the blank.
ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 14-5
LAB ID: 117979-0007-SA
Matrix: SOIL — Sampled: 05 APR 96 — Received: 05 APR 96
Authorized: 05 APR 96 — Prepared: See Below — Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	11 APR 96	15 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	11 APR 96	15 APR 96
Barium	118		1.0	20.0	mg/kg	SW6010	11 APR 96	15 APR 96
Beryllium	0.52		1.0	0.50	mg/kg	SW6010	11 APR 96	15 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	11 APR 96	15 APR 96
Chromium	21.3		1.0	0.50	mg/kg	SW6010	11 APR 96	15 APR 96
Cobalt	13.2		1.0	5.0	mg/kg	SW6010	11 APR 96	15 APR 96
Copper	27.1		1.0	2.5	mg/kg	SW6010	11 APR 96	15 APR 96
Lead	5.2		1.0	0.30	mg/kg	SW6010	11 APR 96	15 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	10 APR 96	11 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	11 APR 96	15 APR 96
Nickel	14.5		1.0	4.0	mg/kg	SW6010	11 APR 96	15 APR 96
Selenium	0.60		1.0	0.50	mg/kg	SW6010	11 APR 96	15 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	11 APR 96	15 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	11 APR 96	15 APR 96
Vanadium	41.3		1.0	5.0	mg/kg	SW6010	11 APR 96	15 APR 96
Zinc	45.8		1.0	2.0	mg/kg	SW6010	11 APR 96	15 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	05 APR 96	06 APR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 14-10
LAB ID: 117979-0008-SA
Matrix: SOIL — Sampled: 05 APR 96 — Received: 05 APR 96
Authorized: 05 APR 96 — Prepared: See Below — Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	10 APR 96	11 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	10 APR 96	11 APR 96
Barium	194		1.0	20.0	mg/kg	SW6010	10 APR 96	11 APR 96
Beryllium	0.66		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	10 APR 96	11 APR 96
Chromium	28.7		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Cobalt	17.2		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Copper	37.9		1.0	2.5	mg/kg	SW6010	10 APR 96	11 APR 96
Lead	6.2		1.0	0.30	mg/kg	SW6010	10 APR 96	11 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	10 APR 96	11 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	10 APR 96	11 APR 96
Nickel	21.4		1.0	4.0	mg/kg	SW6010	10 APR 96	11 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	10 APR 96	11 APR 96
Vanadium	56.0		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Zinc	81.4	B	1.0	2.0	mg/kg	SW6010	10 APR 96	11 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	05 APR 96	06 APR 96

B = Compound is also detected in the blank.
ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3G-5
LAB ID: 117979-0002-SA
Matrix: SOIL — Sampled: 04 APR 96 — Received: 05 APR 96
Authorized: 05 APR 96 — Prepared: 09 APR 96 — Analyzed: 11 APR 96
Instrument: GC/ECD-PXA — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Aroclor 1016	ND		33	ug/kg
Aroclor 1221	ND		33	ug/kg
Aroclor 1232	ND		33	ug/kg
Aroclor 1242	ND		33	ug/kg
Aroclor 1248	ND		33	ug/kg
Aroclor 1254	ND		33	ug/kg
Aroclor 1260	ND		33	ug/kg

Surrogate	Recovery		Acceptable Range
2,4,5,6-Tetrachloro-m-xylene	75	%	60 - 150
Decachlorobiphenyl	93	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3G-10
LAB ID: 117979-0006-SA
Matrix: SOIL — Sampled: 04 APR 96 — Received: 05 APR 96
Authorized: 05 APR 96 — Prepared: 09 APR 96 — Analyzed: 11 APR 96
Instrument: GC/ECD-PXA — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Aroclor 1016	ND		33	ug/kg
Aroclor 1221	ND		33	ug/kg
Aroclor 1232	ND		33	ug/kg
Aroclor 1242	ND		33	ug/kg
Aroclor 1248	ND		33	ug/kg
Aroclor 1254	ND		33	ug/kg
Aroclor 1260	ND		33	ug/kg

Surrogate	Recovery		Acceptable Range
2,4,5,6-Tetrachloro-m-xylene	77	%	60 - 150
Decachlorobiphenyl	94	%	60 - 150

ND = Not Detected

Quanterra
Environmental Services

QC LOT ASSIGNMENT REPORT - MS QC
Metals Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK/LCS)	MS QC Run Number (SA,MS,SD,DU)
117979-0002-SA	SOLID	ICP-S		10 APR 96-CX	10 APR 96-CA
117979-0002-SA	SOLID	HG-CVAA-S		10 APR 96-IX	10 APR 96-IA
117979-0006-SA	SOLID	ICP-S		10 APR 96-CX	10 APR 96-CA
117979-0006-SA	SOLID	HG-CVAA-S		10 APR 96-IX	10 APR 96-IA
117979-0007-SA	SOLID	ICP-S		11 APR 96-AX1	11 APR 96-AA
117979-0007-SA	SOLID	HG-CVAA-S		10 APR 96-IX	10 APR 96-IA
117979-0008-SA	SOLID	ICP-S		10 APR 96-CX	10 APR 96-CA
117979-0008-SA	SOLID	HG-CVAA-S		10 APR 96-IX	10 APR 96-IA

Quanterra
Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Metals Analysis and Preparation
Project: 117979

Category: ICP-S ICP Metals
Matrix: SOLID
Date Analyzed: 10 APR 96
QC Run: 10 APR 96-CX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Antimony	50.0	48.9	98	70-110
Arsenic	200	196	98	75-110
Barium	200	193	97	85-115
Beryllium	5.00	5.04	101	80-115
Cadmium	5.00	5.26	105	80-115
Chromium	20.0	20.7	104	85-120
Cobalt	50.0	52.1	104	85-120
Copper	25.0	23.6	95	85-115
Lead	50.0	52.3	105	80-110
Molybdenum	100	101	101	80-115
Nickel	50.0	52.7	105	85-115
Selenium	200	196	98	70-105
Silver	5.00	4.78	96	80-110
Thallium	200	205	102	80-110
Vanadium	50.0	50.2	100	85-115
Zinc	50.0	52.8	106	80-115

Category: ICP-S ICP Metals
Matrix: SOLID
Date Analyzed: 15 APR 96
QC Run: 11 APR 96-AX1
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Antimony	50.0	45.6	91	70-110
Arsenic	200	191	96	75-110
Barium	200	197	99	85-115
Beryllium	5.00	4.98	100	80-115
Cadmium	5.00	5.04	101	80-115
Chromium	20.0	20.6	103	85-120
Cobalt	50.0	51.2	102	85-120
Copper	25.0	24.1	96	85-115
Lead	50.0	50.8	102	80-110
Molybdenum	100	100	100	80-115
Nickel	50.0	51.8	104	85-115
Selenium	200	188	94	70-105
Silver	5.00	4.78	96	80-110
Thallium	200	200	100	80-110
Vanadium	50.0	50.0	100	85-115
Zinc	50.0	50.3	101	80-115

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Metals Analysis and Preparation (cont.)
Project: 117979

Category: HG-CVAA-S Mercury by CVAA
Matrix: SOLID
Date Analyzed: 11 APR 96
QC Run: 10 APR 96-IX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.750	0.795	106	80-120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra Environmental Services

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Metals Analysis and Preparation
Project: 117979

Category: ICP-S ICP Metals
Matrix: SOLID
Sample: 117948-0001
MS Run: 10 APR 96-CA
Units: mg/kg

Analyte	Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
		Concentration							
Antimony	ND	8.45 n	8.86 n	50.0	17	18	4.8	70-110	20
Arsenic	ND	181	182	200	91	91	0.5	75-110	20
Barium	170	387	375	200	109	103	5.5	85-115	20
Beryllium	0.657	5.39	5.46	5.00	95	96	1.4	80-115	20
Cadmium	ND	4.72	4.71	5.00	94	94	0.2	80-115	20
Chromium	28.3	46.5	48.8	20.0	91	103	12	85-120	20
Cobalt	17.1	65.3	61.4	50.0	97	89	8.4	85-120	20
Copper	28.4	53.0	52.0	25.0	98	95	3.9	85-115	20
Lead	6.16	52.2	51.5	50.0	92	91	1.5	80-110	20
Molybdenum	ND	88.2	89.5	100	88	89	1.5	80-115	20
Nickel	19.3	65.8	65.0	50.0	93	91	1.9	85-115	20
Selenium	ND	172	173	200	86	86	0.7	70-105	20
Silver	ND	4.65	4.70	5.00	93	94	1.2	80-110	20
Thallium	ND	183	183	200	91	92	0.2	80-110	20
Vanadium	55.5	102	105	50.0	93	99	6.7	85-115	20
Zinc	74.8	117	118	50.0	85	87	2.3	80-115	20

Category: ICP-S ICP Metals
Matrix: SOLID
Sample: 118025-0001
MS Run: 11 APR 96-AA
Units: mg/kg

Analyte	Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
		Concentration							
Antimony	ND	12.5 n	15.4 n	50.0	25	31	21	70-110	20
Arsenic	ND	192	198	200	96	99	3.1	75-110	20
Barium	44.4	228	226	200	92	91	1.2	85-115	20
Beryllium	ND	4.81	4.89	5.00	96	98	1.6	80-115	20
Cadmium	ND	4.19	4.23	5.00	84	85	0.9	80-115	20
Chromium	11.9	30.4	29.7	20.0	93	89	4.1	85-120	20
Cobalt	ND	50.7	51.5	50.0	101	103	1.6	85-120	20
Copper	5.90	28.2	27.9	25.0	89	88	1.3	85-115	20
Lead	11.9	57.6	57.5	50.0	91	91	0.1	80-110	20

n = Spiked analyte out of matrix spike acceptance limits; refer to lab control sample results.
ND = Not Detected

alculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra Environmental Services

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Metals Analysis and Preparation
Project: 117979 (cont.)

Category: ICP-S ICP Metals
Matrix: SOLID
Sample: 118025-0001
MS Run: 11 APR 96-AA (cont.)
Units: mg/kg

Analyte	Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
		Concentration							
Molybdenum	ND	90.4	93.3	100	90	93	3.2	80-115	20
Nickel	7.21	52.6	53.2	50.0	91	92	1.3	85-115	20
Selenium	ND	188	193	200	94	96	2.3	70-105	20
Silver	ND	4.44	4.43	5.00	89	89	0.2	80-110	20
Thallium	ND	197	202	200	98	101	3.0	80-110	20
Vanadium	26.5	72.9	71.3	50.0	93	90	3.5	85-115	20
Zinc	48.8	95.5	93.0	50.0	93	88	5.4	80-115	20

Category: HG-CVAA-S Mercury by CVAA
Matrix: SOLID
Sample: 117979-0002
MS Run: 10 APR 96-IA
Units mg/kg Units Qualifier: Wet wt.

Analyte	Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
		Concentration							
Mercury	ND	0.815	0.830	0.750	109	111	1.8	80-120	20

ND = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra Environmental Services

METHOD BLANK REPORT
Metals Analysis and Preparation
Project: 117979

Test: ICPT-CAM-S Method 6010 - CAM TTLC Metals
Matrix: SOLID
QC Run: 10 APR 96-CX Date Analyzed: 10 APR 96

Analyte	Result	Units	Reporting Limit
Antimony	ND	mg/kg	1.0
Arsenic	ND	mg/kg	10.0
Barium	ND	mg/kg	20.0
Beryllium	ND	mg/kg	0.50
Cadmium	ND	mg/kg	0.20
Chromium	ND	mg/kg	0.50
Cobalt	ND	mg/kg	5.0
Copper	ND	mg/kg	2.5
Lead	ND	mg/kg	0.30
Molybdenum	ND	mg/kg	4.0
Nickel	ND	mg/kg	4.0
Selenium	ND	mg/kg	0.50
Silver	ND	mg/kg	0.50
Thallium	ND	mg/kg	200
Vanadium	ND	mg/kg	5.0
Zinc	2.3	mg/kg	2.0

QC Run: 11 APR 96-AX1 Date Analyzed: 15 APR 96

Analyte	Result	Units	Reporting Limit
Antimony	ND	mg/kg	1.0
Arsenic	ND	mg/kg	10.0
Barium	ND	mg/kg	20.0
Beryllium	ND	mg/kg	0.50
Cadmium	ND	mg/kg	0.20
Chromium	ND	mg/kg	0.50
Cobalt	ND	mg/kg	5.0
Copper	ND	mg/kg	2.5
Lead	ND	mg/kg	0.30
Molybdenum	ND	mg/kg	4.0
Nickel	ND	mg/kg	4.0
Selenium	ND	mg/kg	0.50
Silver	ND	mg/kg	0.50
Thallium	ND	mg/kg	200
Vanadium	ND	mg/kg	5.0
Zinc	ND	mg/kg	2.0

ND = Not Detected

Quanterra
Environmental Services

METHOD BLANK REPORT
Metals Analysis and Preparation (cont.)
Project: 117979

Test: HG-CVAA-S Method 7471 - Mercury, Cold Vapor AA
Matrix: SOLID
QC Run: 10 APR 96-IX Date Analyzed: 11 APR 96

Analyte	Result	Units	Reporting Limit
Mercury	ND	mg/kg	0.040

ND = Not Detected

Quanterra
Environmental Services

QC LOT ASSIGNMENT REPORT - MS QC
Wet Chemistry Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK/LCS)	MS QC Run Number (SA,MS,SD,DU)
117979-0002-SA	SOLID	CR6-S		05 APR 96-AX	05 APR 96-AA
117979-0006-SA	SOLID	CR6-S		05 APR 96-AX	05 APR 96-AA
117979-0007-SA	SOLID	CR6-S		05 APR 96-AX	05 APR 96-AA
117979-0008-SA	SOLID	CR6-S		05 APR 96-AX	05 APR 96-AA

Quanterra
Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Wet Chemistry Analysis and Preparation
Project: 117979

Category: CR6-S Method 7196 - Chromium, Hexavalent
Matrix: SOLID Date Analyzed: 06 APR 96
QC Run: 05 APR 96-AX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Chromium, Hexavalent	0.250	0.244	98	70-122

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Wet Chemistry Analysis and Preparation
Project: 117979

Category: CR6-S Method 7196 - Chromium, Hexavalent
Matrix: SOLID
Sample: 117979-0008
MS Run: 05 APR 96-AA
Units: mg/kg

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Chromium, Hexavalent	ND	0.174	0.184	0.250	70	74	5.6	33-136	41

ND = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

METHOD BLANK REPORT
Wet Chemistry Analysis and Preparation
Project: 117979

Test: CR6-S Method 7196 - Chromium, Hexavalent
Matrix: SOLID
QC Run: 05 APR 96-AX Date Analyzed: 06 APR 96

Analyte	Result	Units	Reporting Limit
Chromium, Hexavalent	ND	mg/kg	0.10

ND = Not Detected

Quanterra
Environmental Services

QC LOT ASSIGNMENT REPORT - MS QC
Semivolatile Organics by GC

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK/LCS)	MS QC Run Number (SA,MS,SD,DU)
117979-0002-SA	SOLID	PCB-S		09 APR 96-BX	09 APR 96-BA
117979-0006-SA	SOLID	PCB-S		09 APR 96-BX	09 APR 96-BA

Quanterra
Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Semivolatile Organics by GC
Project: 117979

Category: PCB-S PCBs
Matrix: SOLID
Date Analyzed: 11 APR 96
QC Run: 09 APR 96-BX
Concentration Units: ug/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Aroclor 1254	167	145	87	43-106

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Semivolatile Organics by GC
Project: 117979

Category: PCB-S PCBs
Matrix: SOLID
Sample: 117979-0002
MS Run: 09 APR 96-BA
Units ug/kg Units Qualifier: Wet wt.

Analyte	Sample Result	Concentration MS Result	Concentration MSD Result	Amount Spiked MS/MSD	%Recovery MS	%Recovery MSD	%RPD	Acceptance Limit Recov.	Acceptance Limit RPD
Aroclor 1254	ND	158	161	167	95	96	1.9	18-180	37

D = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

SINGLE CONTROL SAMPLE REPORT
Semivolatile Organics by GC
Project: 117979

Category: PCB-S PCBs
Matrix: SOLID
QC Run: 09 APR 96-BX
Date Analyzed: 11 APR 96
Concentration Units: ug/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) SCS	Accuracy(%) Limits
2,4,5,6-Tetrachloro-m-xylene	6.67	5.31	80	60-150
Decachlorobiphenyl	6.67	6.76	101	60-150

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

METHOD BLANK REPORT
Semivolatile Organics by GC
Project: 117979

Test: 8080-PCB-S Method 8080 - PCBs
Matrix: SOLID
QC Run: 09 APR 96-BX Date Analyzed: 11 APR 96

Analyte	Result	Units	Reporting Limit
Aroclor 1016	ND	ug/kg	33
Aroclor 1221	ND	ug/kg	33
Aroclor 1232	ND	ug/kg	33
Aroclor 1242	ND	ug/kg	33
Aroclor 1248	ND	ug/kg	33
Aroclor 1254	ND	ug/kg	33
Aroclor 1260	ND	ug/kg	33

ND = Not Detected