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 III OF III

Kennedy/Jenks Consultants

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VOLUME III OF III

TABLE OF CONTENTS

VOLUME I

		Page
1.0	EXECUTIVE SUMMARY	1
2.0	INTRODUCTION	2
2.1	Purpose and Objective	2
3.0	SITE DESCRIPTION	3
3.1	Parcel A Description	3
3.2	Parcel A History	3
3.3	Regional Geology and Hydrogeology	4
3.4	Local Geology and Hydrogeology	4
4.0	SAMPLING AND ANALYTICAL METHODS	6
4.1	Drilling and Sampling Methods	6
4.2	Sample Handling	8
4.3	Sample Analytical Program	9
5.0	SAMPLE LOCATIONS AND INVESTIGATIVE FINDINGS	11
5.1	Sample Site Number 1 -- Former Clarifiers in Building 34	11
5.2	Sample Site Number 2 -- Clarifiers at Building 37	12
5.3	Sample Site Number 3 -- Machine Pits in Building 37	13
5.4	Sample Site Number 4 -- Machine Shop Sump in Building 37	18
5.5	Sample Site Number 5 -- Elevators in Building 61	18
5.6	Sample Site Number 6 -- Former Sump at Building 61	19
5.7	Sample Site Number 7 -- Sumps in Building 67	20
5.8	Sample Site Number 8 -- Clarifier at Building 67	21
5.9	Sample Site Number 9 -- Former Containment Pit at Building 67	21
5.10	Sample Site Number 10 -- Former Dark Room at Building 67	22

TABLE OF CONTENTS

(Continued)

		Page
5.11	Sample Site Number 11 -- Floor Drains in Building 67	22
5.12	Sample Site Number 12 -- Former Fuel Transfer Station at Building 44	23
5.13	Sample Site Number 13 -- Former USTs in Building 29	24
5.14	Sample Site Number 14 -- Clarifiers in Building 29	25
5.15	Sample Site Number 15 -- Former Hazardous Waste Accumulation Area at Building 29	25
5.16	Sample Site Number 16 -- Former Cyanide Solution Storage Area in Building 33	27
5.17	Sample Site Number 17 -- Clarifier at Building 36	27
6.0	CONCLUSIONS	29
7.0	REFERENCES	31

LIST OF TABLES

Table

1 Sampling and Analytical Program

2 Soil Sample Analytical Results- Detected Organic Compounds

3 Comparison of Site Soil Inorganic Chemical Concentrations with Common Soil Concentrations and State Threshold Limit Values

LIST OF FIGURES

Figure

1 Facility Location Map

2 Facility Layout and Subject Property Map

3 Building 29 Boring Locations and Chemical Distribution Map

4 Building 37 Boring Locations and Chemical Distribution Map
5 Building 61 Boring Locations and Chemical Distribution Map
6 Building 67 Boring Locations and Chemical Distribution Map

LIST OF APPENDICES

Appendix

A Boring Logs

VOLUME II

B Chain of Custody Forms
C1-C5 Laboratory Reports

VOLUME III

C6-C10 Laboratory Reports

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
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Torrance, California
May, 1996
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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

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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 C6

Quanterra
Environmental Services

Quanterra Incorporated
1721 South Grand Avenue
Santa Ana, California 92705

714 258-8610 Telephone
714 258-0921 Fax

April 18, 1996

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

LIMS NO.: 117848-0001/0023
DATE SAMPLED: 25,26 & 27-MAR-1996
DATE SAMPLE REC'D: 28-MAR-1996
PROJECT: DAC C6 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 data were provided on April 8, 1996 at 7:20 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,

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.

TABLE OF CONTENTS

LIMS # 117848

Cover Letter 1

LIMS Report Key 2

Table of Contents 3

Narrative 4

Chain-of-Custody Records and Sample Description Information

Analytical Results Summary (LIMS Report)

A. LIMS Datasheets
B. QC Summaries

Quanterra
Environmental Services

CASE NARRATIVE

LIMS # 117848

I. CONDITION UPON RECEIPT

Coolers were received intact. The temperature of the coolers were 4.2 and 5.3°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. Sample labeled 3J-1-EB was listed on the COC but not received by the laboratory.

Samples 117848-0016 and -0017 were received after the method holding time specification had been exceeded for hexavalent chromium. Per previous discussions with Rick Pastore, analysis for hexavalent chromium was conducted after the hold time had expired.

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)

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 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 # 117848

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

IV. GENERAL CHEMISTRY (BY METHOD: SW7196)

HOLDING TIME
Please note, samples 3N-2-10 and 3N-2-15 were received after their hold time for hexavalent chromium had expired. Per client's instructions, these samples were processed after hold time had expired. All other 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.

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client: Kennedy/Jenks Consult.	Project Manager: Rus 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	
D) 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'		505														
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

	Date	Time		Date	Time
1. Relinquished By: Ken Knight	3-27-96	1115	1. Received By: Rus Purcell	3/27/96	1200
2. Relinquished By: Rus Purcell	3/27/96	4:30 PM	2. Received By: K. FREITAG	3/27/96	16 30
3. Relinquished By			3. Received By		

Comments

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

BOE-C6-0077726

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client: Kennedy / Jenks	Project Manager: Rus 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	8020	Special Instructions/ Conditions of Receipt
4-15.0'	3-27-96	915			✓	✓								HOLD
4-20.0'	↓	930			↓	↓								HOLD
4-25.0'	↓	945			↓	↓								HOLD

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): 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: 16:30
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-C6-0077727

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client	Project Manager	Date	Chain Of Custody Number
	Rus Purcell	3/25/96	49649
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 Ph 2	

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	Cool	8080	6010 CCR	6010 TCLP
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	1650	1. Received By: [signature]	3/25/96	1650
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-C6-0077728

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 Ph 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)	PNA 610/8100	~~PCBs~~/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS - CAM 17/6010			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
S Bart	3/26/96 1638	[signature]	3/26/96 1638
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
		K. FREITAG	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-C6-0077729

Quanterra
Environmental Services

SAMPLE DESCRIPTION INFORMATION
for
Kennedy/Jenks Consultants

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
117848-0001-SA	3A-1-5.0'	SOIL	26 MAR 96	15:30	27 MAR 96
117848-0002-SA	3A-1-10.0'	SOIL	26 MAR 96	15:40	27 MAR 96
117848-0003-SA	3A-2-5.0'	SOIL	26 MAR 96	16:45	27 MAR 96
117848-0004-SA	3A-2-10.5'	SOIL	26 MAR 96	16:55	27 MAR 96
117848-0005-SA	4-5.0'	SOIL	27 MAR 96	08:45	27 MAR 96
117848-0006-SA	4-10.0'	SOIL	27 MAR 96	09:00	27 MAR 96
117848-0007-SA	3A-1-15.0'	SOIL	26 MAR 96	15:50	27 MAR 96
117848-0008-SA	3A-1-20.0'	SOIL	26 MAR 96	16:05	27 MAR 96
117848-0009-SA	3A-1-25.0'	SOIL	26 MAR 96	16:15	27 MAR 96
117848-0010-SA	3A-2-15.0'	SOIL	26 MAR 96	17:05	27 MAR 96
117848-0011-SA	3A-2-20.0'	SOIL	26 MAR 96	17:20	27 MAR 96
117848-0012-SA	3A-2-25.0'	SOIL	26 MAR 96	17:40	27 MAR 96
117848-0013-SA	4-15.0'	SOIL	27 MAR 96	09:15	27 MAR 96
117848-0014-SA	4-20.0'	SOIL	27 MAR 96	09:30	27 MAR 96
117848-0015-SA	4-25.0'	SOIL	27 MAR 96	09:45	27 MAR 96
117848-0016-SA	3N-2-10	SOIL	25 MAR 96	16:00	27 MAR 96
117848-0017-SA	3N-2-15	SOIL	25 MAR 96	16:10	27 MAR 96
117848-0018-SA	3N-2-20	SOIL	25 MAR 96	16:15	27 MAR 96
117848-0019-SA	3N-2-25	SOIL	25 MAR 96	16:20	27 MAR 96
117848-0020-SA	3J-1-10	SOIL	26 MAR 96	15:45	27 MAR 96
117848-0021-SA	3J-1-15	SOIL	26 MAR 96	15:50	27 MAR 96
117848-0022-SA	3J-1-20	SOIL	26 MAR 96	16:00	27 MAR 96
117848-0023-SA	3J-1-25	SOIL	26 MAR 96	16:05	27 MAR 96

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3A-1-5.0'
LAB ID: 117848-0001-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 27 MAR 96
Authorized: 28 MAR 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	29 MAR 96	06 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Barium	168		1.0	20.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Beryllium	0.82		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	29 MAR 96	06 APR 96
Chromium	38.7		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Cobalt	18.0		1.0	5.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Copper	36.9		1.0	2.5	mg/kg	SW6010	29 MAR 96	06 APR 96
Lead	7.7		1.0	0.30	mg/kg	SW6010	29 MAR 96	06 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Nickel	29.0		1.0	4.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	06 APR 96
Vanadium	73.1		1.0	5.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Zinc	78.9		1.0	2.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	29 MAR 96	30 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3A-1-10.0'
LAB ID: 117848-0002-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 27 MAR 96
Authorized: 28 MAR 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	29 MAR 96	06 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Barium	183		1.0	20.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Beryllium	0.69		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Cadmium	0.24		1.0	0.20	mg/kg	SW6010	29 MAR 96	06 APR 96
Chromium	31.5		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Cobalt	17.4		1.0	5.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Copper	29.3		1.0	2.5	mg/kg	SW6010	29 MAR 96	06 APR 96
Lead	6.7		1.0	0.30	mg/kg	SW6010	29 MAR 96	06 APR 96
Mercury	0.057		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Nickel	20.8		1.0	4.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	06 APR 96
Vanadium	65.7		1.0	5.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Zinc	79.9		1.0	2.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	29 MAR 96	30 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3A-2-5.0'
LAB ID: 117848-0003-SA
Matrix: SOIL
Authorized: 28 MAR 96

Sampled: 26 MAR 96
Prepared: See Below

Received: 27 MAR 96
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Barium	137		1.0	20.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Beryllium	0.65		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	29 MAR 96	06 APR 96
Chromium	31.8		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Cobalt	17.9		1.0	5.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Copper	35.3		1.0	2.5	mg/kg	SW6010	29 MAR 96	06 APR 96
Lead	7.3		1.0	0.30	mg/kg	SW6010	29 MAR 96	06 APR 96
Mercury	0.078		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Nickel	26.1		1.0	4.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Selenium	0.80		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	06 APR 96
Vanadium	64.3		1.0	5.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Zinc	81.2		1.0	2.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	29 MAR 96	30 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3A-2-10.5'
LAB ID: 117848-0004-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 27 MAR 96
Authorized: 28 MAR 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	29 MAR 96	06 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Barium	120		1.0	20.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Beryllium	0.65		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	29 MAR 96	06 APR 96
Chromium	28.6		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Cobalt	17.5		1.0	5.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Copper	30.6		1.0	2.5	mg/kg	SW6010	29 MAR 96	06 APR 96
Lead	6.8		1.0	0.30	mg/kg	SW6010	29 MAR 96	06 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Nickel	19.9		1.0	4.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	06 APR 96
Vanadium	63.1		1.0	5.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Zinc	81.6		1.0	2.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	29 MAR 96	30 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 4-5.0'
LAB ID: 117848-0005-SA
Matrix: SOIL
Authorized: 28 MAR 96

Sampled: 27 MAR 96
Prepared: See Below

Received: 27 MAR 96
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Barium	177		1.0	20.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Beryllium	0.72		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	29 MAR 96	06 APR 96
Chromium	28.8		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Cobalt	13.6		1.0	5.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Copper	17.9		1.0	2.5	mg/kg	SW6010	29 MAR 96	06 APR 96
Lead	6.5		1.0	0.30	mg/kg	SW6010	29 MAR 96	06 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Nickel	19.6		1.0	4.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	06 APR 96
Vanadium	51.7		1.0	5.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Zinc	63.8		1.0	2.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	29 MAR 96	30 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 4-10.0'
LAB ID: 117848-0006-SA
Matrix: SOIL — Sampled: 27 MAR 96 — Received: 27 MAR 96
Authorized: 28 MAR 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	29 MAR 96	06 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Barium	106		1.0	20.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Beryllium	0.72		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	29 MAR 96	06 APR 96
Chromium	31.9		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Cobalt	15.5		1.0	5.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Copper	26.1		1.0	2.5	mg/kg	SW6010	29 MAR 96	06 APR 96
Lead	5.8		1.0	0.30	mg/kg	SW6010	29 MAR 96	06 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Nickel	20.3		1.0	4.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	06 APR 96
Vanadium	58.8		1.0	5.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Zinc	74.7		1.0	2.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	29 MAR 96	30 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3N-2-10
LAB ID: 117848-0016-SA
Matrix: SOIL
Authorized: 28 MAR 96

Sampled: 25 MAR 96
Prepared: See Below

Received: 27 MAR 96
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Barium	191		1.0	20.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Beryllium	0.66		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	29 MAR 96	06 APR 96
Chromium	31.3		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Cobalt	19.0		1.0	5.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Copper	30.8		1.0	2.5	mg/kg	SW6010	29 MAR 96	06 APR 96
Lead	6.6		1.0	0.30	mg/kg	SW6010	29 MAR 96	06 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Nickel	24.8		1.0	4.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Selenium	0.90		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	06 APR 96
Vanadium	63.0		1.0	5.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Zinc	80.5		1.0	2.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	29 MAR 96	30 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3N-2-15
LAB ID: 117848-0017-SA
Matrix: SOIL
Authorized: 28 MAR 96

Sampled: 25 MAR 96
Prepared: See Below

Received: 27 MAR 96
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Barium	144		1.0	20.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Beryllium	0.55		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	29 MAR 96	06 APR 96
Chromium	27.3		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Cobalt	14.7		1.0	5.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Copper	24.9		1.0	2.5	mg/kg	SW6010	29 MAR 96	06 APR 96
Lead	5.2		1.0	0.30	mg/kg	SW6010	29 MAR 96	06 APR 96
Mercury	0.042		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Nickel	18.6		1.0	4.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	06 APR 96
Vanadium	55.1		1.0	5.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Zinc	62.9		1.0	2.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	29 MAR 96	30 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3J-1-10
LAB ID: 117848-0020-SA
Matrix: SOIL
Authorized: 28 MAR 96

Sampled: 26 MAR 96
Prepared: See Below

Received: 27 MAR 96
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Barium	163		1.0	20.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Beryllium	0.64		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	29 MAR 96	06 APR 96
Chromium	35.3		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Cobalt	15.9		1.0	5.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Copper	22.4		1.0	2.5	mg/kg	SW6010	29 MAR 96	06 APR 96
Lead	5.9		1.0	0.30	mg/kg	SW6010	29 MAR 96	06 APR 96
Mercury	0.054		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Nickel	22.5		1.0	4.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Selenium	0.73		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	06 APR 96
Vanadium	60.4		1.0	5.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Zinc	64.4		1.0	2.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	29 MAR 96	30 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3J-1-15
LAB ID: 117848-0021-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 27 MAR 96
Authorized: 28 MAR 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	29 MAR 96	06 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Barium	170		1.0	20.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Beryllium	0.63		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	29 MAR 96	06 APR 96
Chromium	29.9		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Cobalt	16.5		1.0	5.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Copper	26.4		1.0	2.5	mg/kg	SW6010	29 MAR 96	06 APR 96
Lead	5.9		1.0	0.30	mg/kg	SW6010	29 MAR 96	06 APR 96
Mercury	0.043		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Nickel	19.9		1.0	4.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Selenium	0.64		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	06 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	06 APR 96
Vanadium	59.4		1.0	5.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Zinc	71.0		1.0	2.0	mg/kg	SW6010	29 MAR 96	06 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	29 MAR 96	30 MAR 96

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3A-1-5.0'
LAB ID: 117848-0001-SA
Matrix: SOIL
Authorized: 28 MAR 96
Instrument: GC/ECD-PVB

Sampled: 26 MAR 96
Prepared: 29 MAR 96
Dilution: 1.0

Received: 27 MAR 96
Analyzed: 01 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	89	%	60 - 150
Decachlorobiphenyl	93	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3A-1-10.0'
LAB ID: 117848-0002-SA
Matrix: SOIL
Authorized: 28 MAR 96
Instrument: GC/ECD-PVB

Sampled: 26 MAR 96
Prepared: 29 MAR 96
Dilution: 1.0

Received: 27 MAR 96
Analyzed: 03 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	92	%	60 - 150
Decachlorobiphenyl	103	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3A-2-5.0'
LAB ID: 117848-0003-SA
Matrix: SOIL
Authorized: 28 MAR 96
Instrument: GC/ECD-PVB

Sampled: 26 MAR 96
Prepared: 29 MAR 96
Dilution: 1.0

Received: 27 MAR 96
Analyzed: 03 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	87	%	60 - 150
Decachlorobiphenyl	102	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3A-2-10.5'
LAB ID: 117848-0004-SA
Matrix: SOIL
Authorized: 28 MAR 96
Instrument: GC/ECD-PVB

Sampled: 26 MAR 96
Prepared: 29 MAR 96
Dilution: 1.0

Received: 27 MAR 96
Analyzed: 03 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	96	%	60 - 150
Decachlorobiphenyl	100	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 4-5.0'
LAB ID: 117848-0005-SA
Matrix: SOIL
Authorized: 28 MAR 96
Instrument: GC/ECD-PVB

Sampled: 27 MAR 96
Prepared: 29 MAR 96
Dilution: 1.0

Received: 27 MAR 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	99	%	60 - 150
Decachlorobiphenyl	117	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 4-10.0'
LAB ID: 117848-0006-SA
Matrix: SOIL — Sampled: 27 MAR 96 — Received: 27 MAR 96
Authorized: 28 MAR 96 — Prepared: 29 MAR 96 — Analyzed: 04 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	101	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3N-2-10
LAB ID: 117848-0016-SA
Matrix: SOIL
Authorized: 28 MAR 96
Instrument: GC/ECD-PVB

Sampled: 25 MAR 96
Prepared: 29 MAR 96
Dilution: 1.0

Received: 27 MAR 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	87	%	60 - 150
Decachlorobiphenyl	97	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3N-2-15
LAB ID: 117848-0017-SA
Matrix: SOIL
Authorized: 28 MAR 96
Instrument: GC/ECD-PVB

Sampled: 25 MAR 96
Prepared: 29 MAR 96
Dilution: 1.0

Received: 27 MAR 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	87	%	60 - 150
Decachlorobiphenyl	101	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3J-1-10
LAB ID: 117848-0020-SA
Matrix: SOIL
Authorized: 28 MAR 96
Instrument: GC/ECD-PVB

Sampled: 26 MAR 96
Prepared: 29 MAR 96
Dilution: 1.0

Received: 27 MAR 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	90	%	60 - 150
Decachlorobiphenyl	99	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3J-1-15
LAB ID: 117848-0021-SA
Matrix: SOIL
Authorized: 28 MAR 96
Instrument: PCB/PEST

Sampled: 26 MAR 96
Prepared: 29 MAR 96
Dilution: 1.0

Received: 27 MAR 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	85	%	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)
117848-0001-SA	SOLID	ICP-S		29 MAR 96-CX1	29 MAR 96-CA
117848-0001-SA	SOLID	HG-CVAA-S		02 APR 96-EX	02 APR 96-EA
117848-0002-SA	SOLID	ICP-S		29 MAR 96-CX1	29 MAR 96-CA
117848-0002-SA	SOLID	HG-CVAA-S		02 APR 96-EX	02 APR 96-EA
117848-0003-SA	SOLID	ICP-S		29 MAR 96-CX1	29 MAR 96-CA
117848-0003-SA	SOLID	HG-CVAA-S		02 APR 96-EX	02 APR 96-EA
117848-0004-SA	SOLID	ICP-S		29 MAR 96-CX1	29 MAR 96-CA
117848-0004-SA	SOLID	HG-CVAA-S		02 APR 96-EX	02 APR 96-EA
117848-0005-SA	SOLID	ICP-S		29 MAR 96-CX1	29 MAR 96-CA
117848-0005-SA	SOLID	HG-CVAA-S		02 APR 96-EX	02 APR 96-EA
117848-0006-SA	SOLID	ICP-S		29 MAR 96-CX1	29 MAR 96-CA
117848-0006-SA	SOLID	HG-CVAA-S		02 APR 96-EX	02 APR 96-EA
117848-0016-SA	SOLID	ICP-S		29 MAR 96-CX1	29 MAR 96-CA
117848-0016-SA	SOLID	HG-CVAA-S		02 APR 96-EX	02 APR 96-EA
117848-0017-SA	SOLID	ICP-S		29 MAR 96-CX1	29 MAR 96-CA
117848-0017-SA	SOLID	HG-CVAA-S		02 APR 96-EX	02 APR 96-EA
117848-0020-SA	SOLID	ICP-S		29 MAR 96-CX1	29 MAR 96-CA
117848-0020-SA	SOLID	HG-CVAA-S		02 APR 96-EX	02 APR 96-EA
117848-0021-SA	SOLID	ICP-S		29 MAR 96-CX1	29 MAR 96-CA
117848-0021-SA	SOLID	HG-CVAA-S		02 APR 96-EX	02 APR 96-EA

Quanterra Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Metals Analysis and Preparation
Project: 117848

Category: ICP-S ICP Metals
Matrix: SOLID
QC Run: 29 MAR 96-CX1
Concentration Units: mg/kg

Date Analyzed: 06 APR 96

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Antimony	50.0	47.1	94	70-110
Arsenic	200	192	96	75-110
Barium	200	200	100	85-115
Beryllium	5.00	5.03	101	80-115
Cadmium	5.00	5.19	104	80-115
Chromium	20.0	21.0	105	85-120
Cobalt	50.0	52.1	104	85-120
Copper	25.0	24.4	97	85-115
Lead	50.0	51.3	103	80-110
Molybdenum	100	102	102	80-115
Nickel	50.0	52.6	105	85-115
Selenium	200	186	93	70-105
Silver	5.00	4.88	98	80-110
Thallium	200	201	101	80-110
Vanadium	50.0	50.8	102	85-115
Zinc	50.0	51.2	102	80-115

Category: HG-CVAA-S Mercury by CVAA
Matrix: SOLID
QC Run: 02 APR 96-EX
Concentration Units: mg/kg

Date Analyzed: 04 APR 96

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.750	0.702	94	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: 117848

Category: ICP-S ICP Metals
Matrix: SOLID
Sample: 117848-0001
MS Run: 29 MAR 96-CA
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	14.1 n	12.3 n	50.0	28	25	14	70-110	20
Arsenic	ND	179	180	200	89	90	0.3	75-110	20
Barium	168	350	359	200	91	95	4.3	85-115	20
Beryllium	0.820	5.48	5.50	5.00	93	94	0.4	80-115	20
Cadmium	ND	4.70	4.75	5.00	94	95	0.9	80-115	20
Chromium	38.7	56.0	55.9	20.0	86	86	0.3	85-120	20
Cobalt	18.0	64.3	63.9	50.0	93	92	0.8	85-120	20
Copper	36.9	60.3	59.5	25.0	94	90	3.6	85-115	20
Lead	7.69	52.6	52.7	50.0	90	90	0.4	80-110	20
Molybdenum	ND	90.6	89.8	100	91	90	0.8	80-115	20
Nickel	29.0	73.9	75.0	50.0	90	92	2.3	85-115	20
Selenium	ND	169	168	200	84	84	0.0	70-105	20
Silver	ND	4.54	4.54	5.00	91	91	0.0	80-110	20
Thallium	ND	176	177	200	88	89	0.6	80-110	20
Vanadium	73.1	118	119	50.0	90	91	1.2	85-115	20
Zinc	78.9	130	127	50.0	102	97	5.3	80-115	20

Category: HG-CVAA-S Mercury by CVAA
Matrix: SOLID
Sample: 117848-0001
MS Run: 02 APR 96-EA
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	0.712	0.692	0.750	95	92	2.8	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: 117848

Test: ICPT-CAM-S
Matrix: SOLID
QC Run: 29 MAR 96-CX1

Method 6010 - CAM TTLC Metals

Date Analyzed: 06 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: 02 APR 96-EX

Method 7471 - Mercury, Cold Vapor AA

Date Analyzed: 04 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)
117848-0001-SA	SOLID	CR6-S		29 MAR 96-AX	29 MAR 96-AA
117848-0002-SA	SOLID	CR6-S		29 MAR 96-AX	29 MAR 96-AA
117848-0003-SA	SOLID	CR6-S		29 MAR 96-AX	29 MAR 96-AA
117848-0004-SA	SOLID	CR6-S		29 MAR 96-AX	29 MAR 96-AA
117848-0005-SA	SOLID	CR6-S		29 MAR 96-AX	29 MAR 96-AA
117848-0006-SA	SOLID	CR6-S		29 MAR 96-AX	29 MAR 96-AA
117848-0016-SA	SOLID	CR6-S		29 MAR 96-AX	29 MAR 96-AA
117848-0017-SA	SOLID	CR6-S		29 MAR 96-AX	29 MAR 96-AA
117848-0020-SA	SOLID	CR6-S		29 MAR 96-AX	29 MAR 96-AA
117848-0021-SA	SOLID	CR6-S		29 MAR 96-AX	29 MAR 96-AA

Quanterra
Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Wet Chemistry Analysis and Preparation
Project: 117848

Category: CR6-S Method 7196 - Chromium, Hexavalent
Matrix: SOLID Date Analyzed: 30 MAR 96
QC Run: 29 MAR 96-AX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Chromium, Hexavalent	0.250	0.247	99	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: 117848

Category: CR6-S Method 7196 - Chromium, Hexavalent
Matrix: SOLID
Sample: 117848-0003
MS Run: 29 MAR 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	0.206	0.201	0.250	82	80	2.3	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: 117848

Test: CR6-S
Matrix: SOLID
QC Run: 29 MAR 96-AX

Method 7196 - Chromium, Hexavalent

Date Analyzed: 30 MAR 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)
117848-0001-SA	SOLID	PCB-S		29 MAR 96-GX	29 MAR 96-GA
117848-0002-SA	SOLID	PCB-S		29 MAR 96-GX	29 MAR 96-GA
117848-0003-SA	SOLID	PCB-S		29 MAR 96-GX	29 MAR 96-GA
117848-0004-SA	SOLID	PCB-S		29 MAR 96-GX	29 MAR 96-GA
117848-0005-SA	SOLID	PCB-S		29 MAR 96-GX	29 MAR 96-GA
117848-0006-SA	SOLID	PCB-S		29 MAR 96-GX	29 MAR 96-GA
117848-0016-SA	SOLID	PCB-S		29 MAR 96-GX	29 MAR 96-GA
117848-0017-SA	SOLID	PCB-S		29 MAR 96-GX	29 MAR 96-GA
117848-0020-SA	SOLID	PCB-S		29 MAR 96-GX	29 MAR 96-GA
117848-0021-SA	SOLID	PCB-S		29 MAR 96-GX	29 MAR 96-GA

Quanterra Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Semivolatile Organics by GC
Project: 117848

Category: PCB-S PCBs
Matrix: SOLID
QC Run: 29 MAR 96-GX
Concentration Units: ug/kg

Date Analyzed: 01 APR 96

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Aroclor 1254	167	171	103	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: 117848

Category: PCB-S PCBs
Matrix: SOLID
Sample: 117848-0001
MS Run: 29 MAR 96-GA
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	160	168	167	96	101	4.9	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: 117848

Category: PCB-S PCBs
Matrix: SOLID
QC Run: 29 MAR 96-GX
Concentration Units: ug/kg

Date Analyzed: 01 APR 96

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) SCS	Accuracy(%) Limits
2,4,5,6-Tetrachloro-m-xylene	6.67	6.26	94	60-150
Decachlorobiphenyl	6.67	6.50	97	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: 117848

Test: 8080-PCB-S Method 8080 - PCBs
Matrix: SOLID
QC Run: 29 MAR 96-GX

Date Analyzed: 01 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 C7

Quanterra
Environmental Services

Quanterra Incorporated
1721 South Grand Avenue
Santa Ana, California 92705

714 258-8610 Telephone
714 258-0921 Fax

April 19, 1996

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

LIMS NO.: 117789-0001/0052
DATE SAMPLED: 25-MAR-1996
DATE SAMPLE REC'D: 25-MAR-1996
PROJECT: DAC C-6 PHASE II / 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 mercury, hexavalent chromium and partial PCB data were provided on April 4, 1996 at 3:30 PM to Rick Pastore. Complete preliminary CAM metals data were provided on April 4, 1996 at 8:18 PM to Rick Pastore. Preliminary 8010/8020 data were provided on April 5, 1996 at 11:15 AM to Rick Pastore. Preliminary PCB results for samples 117789-0045 and -0046 were provided on April 5, 1996 at 5:11PM 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.

TABLE OF CONTENTS

LIMS # 117789

Cover Letter 1

LIMS Report Key 2

Table of Contents 3

Narrative 4

Chain-of-Custody Records and Sample Description Information

Analytical Results Summary (LIMS Report)

A. LIMS Datasheets
B. QC Summaries

Quanterra
Environmental Services

CASE NARRATIVE

LIMS # 117789

I. CONDITION UPON RECEIPT

Coolers were received intact. The temperature of the coolers were 5.4 and 5.1 °C.

Sample containers were received intact. 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.

II. ORGANIC ANALYSES (BY METHOD: SW8080; SW8010/8020)

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
Except for the SW8080 sample surrogates, all surrogate spike recoveries in samples and in QC samples met method- and/or project-specific QC criteria. The SW8080 surrogate recovery of 2,4,5,6-tetrachloro-m-xylene in samples 117789-0021, -0049 and -0050 was below the acceptable range of 60-150%; corrective action is required per SW8080 only if both surrogates are outside of limits. The recovery of both SW8080 surrogates in sample -0045 was not detected because of required sample dilution.

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

CASE NARRATIVE

LIMS # 117789

MS/MSD/LCS/DCS AND RPDs
Except for the thallium LCS, antimony and silver MS/MSD, and zinc MS/MSD RPD , all spike recovery and RPD data met method- and/or project-specific QC criteria. The LCS recovery for thallium, 120%, exceeded the acceptance limits of 80-100% indicating results would be biased high. Since all sample results for thallium were non-detect, no corrective action was taken.

Matrix spike/matrix spike duplicate spike recoveries were outside the acceptance limits for antimony and silver. 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.

Poor duplicate precision was observed for zinc. The imprecision may be attributed to sample heterogeneity.

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.

SAMPLE RESULTS
Please note that more than ten samples were run between bracketing standards. Thirteen samples (which include -0029, -0031, -0033, -0037, -0039, -0041/-0042, and -0045/-0046 from this project) were analyzed for hexavalent chromium. Reanalysis was not performed as all sample results were non-detect and the hold time had expired.

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: 49645
Address	Telephone Number (Area Code)/Fax Number: (714) 261 1577 2612134	Lab Number: 117789	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			

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	8080	CLP 6010	HOLD
3N-1-10	3/25/96	1450			X								X	X	X	X	
3N-1-15		1455												X	X	X	
3N-1-20		1500															X
3N-1-25		1505															X

Analysis (Attach list if more space is needed)

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): SEND ACK LTR

	Date	Time		Date	Time
1. Relinquished By: [signature]	3/25/96	1605	1. Received By: [signature] B. Leith	3-25-96	1605
2. Relinquished By: [signature]	3/25/96	1840	2. Received By: [signature]	3-25-96	1840
3. Relinquished By			3. Received By		

Comments

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

BOE-C6-0077771

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: 49653
Address: 2151 Michelson, #100	Telephone Number (Area Code)/Fax Number: 714/261-1577	Lab Number: 117789	Page 1 of 4
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	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

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): Provide Acknowledgement Report ASAP

1. Relinquished By: Ken Smirlet	Date: 3-25-96	Time: 420	1. Received By: B. Leith	Date: 3-25-96	Time: 1620
2. Relinquished By: [signature]	Date: 3-25-96	Time: 1840	2. Received By: [signature]	Date: 3-25-96	Time: 1840
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-C6-0077772

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: 49654
Address: 2151 MICHELSON #100	Telephone Number (Area Code)/Fax Number: 714-261-1577	Lab Number: 117789	Page 2 of 4
City: IRVINE / State: CA / Zip Code: 92715	Site Contact:	Lab Contact:	
Project Name: DAC PHASE I	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: 601C	8082	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 - 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 Knight	3-25-96	420	1. Received By: B. LEITH	3-25-96	1620
2. Relinquished By:	3-25-96	1840	2. Received By:	3-25-96	1840
3. Relinquished By:			3. Received By:		

Comments:

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

BOE-C6-0077773

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: 49656
Address: 2151 MICHELSON #100	Telephone Number (Area Code)/Fax Number: 714-261-1577	Lab Number: 117789	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.:			

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	8240	8015	8020	Special Instructions/ Conditions of Receipt
3L-1-5.0	3-25-96	130			X							X	X			
3L-1-5.5		130												X	X	
3L-1-10.0		140										X	X			
3L-1-10.5		140												X	X	
3L-1-15.0		150										X	X			HOLD
3L-1-15.5		150												X	X	
3L-1-20.0		200										X	X			
3L-1-20.5		200												X	X	
3L-1-25.0		215										X	X			
3L-1-25.5		215												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 Kimlat	3-25-96	420	1. Received By: B. LEITH	3-25-96	1620
2. Relinquished By:	3-25-96	1840	2. Received By:	3-25-96	1840
3. Relinquished By:			3. Received By:		

Comments:

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

BOE-C6-0077774

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: 49655
Address: 2151 MICHELSON #100	Telephone Number (Area Code)/Fax Number: 714-261-1577	Lab Number: 117789	Page 4 of 4
City: IRVINE; State: CA; Zip Code: 92715	Site Contact:	Lab Contact:	
Project Name: DAR 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	8020	6010	8020	Special Instructions/ Conditions of Receipt
3L-2-5.0	3-25-96	2415			X							X	X			
3L-2-5.5		2415												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: Ken Knight	3-25-96	420	1. Received By: B. LEITH	3-25-96	1620
2. Relinquished By:	3-25-96	1840	2. Received By:	3-25-96	1840
3. Relinquished By:			3. Received By:		

Comments:

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

BOE-C6-0077775

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: 49642
Address	Telephone Number (Area Code)/Fax Number: (714) 261 1577	Lab Number: 117789	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): 8010/8020, 4 OLD

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	4 OLD
3K-1-10	3/25/96	1115			X		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): SEND ACK. LETTER

1. Relinquished By	Date: 3/25/96	Time: 1605	1. Received By	Date: 3-25-96	Time: 1605
2. Relinquished By	Date: 3/25/96	Time: 1840	2. Received By	Date: 3/25/96	Time: 1840
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-C6-0077776

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client: Kennedy/Jenks	Project Manager: Rus Purcell	Date:	Chain Of Custody Number: 49644
Address:	Telephone Number (Area Code)/Fax Number: (714) 261 1577 261 2134	Lab Number: 117789	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: 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		1230			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

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): SEND ACK LETTER

	Date	Time		Date	Time
1. Relinquished By:	3/25/96	1605	1. Received By: B. Leith	3/25/96	1605
2. Relinquished By:	3/25/96	1840	2. Received By:	3/25/96	1840
3. Relinquished By:			3. Received By:		

Comments:

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

BOE-C6-0077777

Quanterra
Environmental Services

SAMPLE DESCRIPTION INFORMATION
for
Kennedy/Jenks Consultants

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
117789-0001-SA	3I-1-5.0'	SOIL	25 MAR 96	11:10	25 MAR 96
117789-0002-SA	3I-1-5.5'	SOIL	25 MAR 96	11:10	25 MAR 96
117789-0003-SA	3I-1-10.5'	SOIL	25 MAR 96	11:20	25 MAR 96
117789-0004-SA	3I-1-11.5'	SOIL	25 MAR 96	11:20	25 MAR 96
117789-0005-SA	3I-1-16.0'	SOIL	25 MAR 96	11:35	25 MAR 96
117789-0006-SA	3I-1-16.5'	SOIL	25 MAR 96	11:35	25 MAR 96
117789-0007-SA	3I-1-20.0'	SOIL	25 MAR 96	12:00	25 MAR 96
117789-0008-SA	3I-1-20.5'	SOIL	25 MAR 96	12:00	25 MAR 96
117789-0009-SA	3I-1-25.0'	SOIL	25 MAR 96	12:15	25 MAR 96
117789-0010-SA	3I-1-25.5'	SOIL	25 MAR 96	12:15	25 MAR 96
117789-0011-SA	3I-2-5.0'	SOIL	25 MAR 96	09:35	25 MAR 96
117789-0012-SA	3I-2-5.5'	SOIL	25 MAR 96	09:35	25 MAR 96
117789-0013-SA	3I-2-10.5'	SOIL	25 MAR 96	09:50	25 MAR 96
117789-0014-SA	3I-2-11.0'	SOIL	25 MAR 96	09:50	25 MAR 96
117789-0015-SA	3I-2-15.0'	SOIL	25 MAR 96	10:05	25 MAR 96
117789-0016-SA	3I-2-15.5'	SOIL	25 MAR 96	10:05	25 MAR 96
117789-0017-SA	3I-2-20.0'	SOIL	25 MAR 96	10:15	25 MAR 96
117789-0018-SA	3I-2-20.5'	SOIL	25 MAR 96	10:15	25 MAR 96
117789-0019-SA	3I-2-25.0'	SOIL	25 MAR 96	10:25	25 MAR 96
117789-0020-SA	3I-2-25.5'	SOIL	25 MAR 96	10:25	25 MAR 96
117789-0021-SA	3L-1-5.0'	SOIL	25 MAR 96	13:30	25 MAR 96
117789-0022-SA	3L-1-5.5'	SOIL	25 MAR 96	13:30	25 MAR 96
117789-0023-SA	3L-1-10.0'	SOIL	25 MAR 96	13:40	25 MAR 96
117789-0024-SA	3L-1-10.5'	SOIL	25 MAR 96	13:40	25 MAR 96
117789-0025-SA	3L-1-15.0'	SOIL	25 MAR 96	13:50	25 MAR 96
117789-0026-SA	3L-1-15.5'	SOIL	25 MAR 96	13:50	25 MAR 96
117789-0027-SA	3L-1-20.0'	SOIL	25 MAR 96	14:00	25 MAR 96
117789-0028-SA	3L-1-20.5'	SOIL	25 MAR 96	14:00	25 MAR 96
117789-0029-SA	3L-1-25.0'	SOIL	25 MAR 96	14:15	25 MAR 96
117789-0030-SA	3L-1-25.5'	SOIL	25 MAR 96	14:15	25 MAR 96
117789-0031-SA	3L-2-5.0'	SOIL	25 MAR 96	14:45	25 MAR 96
117789-0032-SA	3L-2-5.5'	SOIL	25 MAR 96	14:45	25 MAR 96
117789-0033-SA	3L-2-10.0'	SOIL	25 MAR 96	14:55	25 MAR 96
117789-0034-SA	3L-2-10.5'	SOIL	25 MAR 96	14:55	25 MAR 96
117789-0035-SA	3L-2-15.0'	SOIL	25 MAR 96	15:10	25 MAR 96
117789-0036-SA	3L-2-15.5'	SOIL	25 MAR 96	15:10	25 MAR 96
117789-0037-SA	3L-2-20.0'	SOIL	25 MAR 96	15:25	25 MAR 96
117789-0038-SA	3L-2-20.5'	SOIL	25 MAR 96	15:25	25 MAR 96
117789-0039-SA	3L-2-25.5'	SOIL	25 MAR 96	15:45	25 MAR 96
117789-0040-SA	3L-2-26.5'	SOIL	25 MAR 96	15:45	25 MAR 96
117789-0041-SA	3K-1-10	SOIL	25 MAR 96	11:15	25 MAR 96
117789-0042-SA	3K-1-15	SOIL	25 MAR 96	11:30	25 MAR 96

Quanterra Environmental Services

SAMPLE DESCRIPTION INFORMATION cont'd

for

Kennedy/Jenks Consultants

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
117789-0043-SA	3K-1-20	SOIL	25 MAR 96	11:35	25 MAR 96
117789-0044-SA	3K-1-25	SOIL	25 MAR 96	11:45	25 MAR 96
117789-0045-SA	3J-2-10	SOIL	25 MAR 96	12:30	25 MAR 96
117789-0046-SA	3J-2-15	SOIL	25 MAR 96	12:40	25 MAR 96
117789-0047-SA	3J-2-20	SOIL	25 MAR 96	12:50	25 MAR 96
117789-0048-SA	3J-2-25	SOIL	25 MAR 96	12:55	25 MAR 96
117789-0049-SA	3N-1-10	SOIL	25 MAR 96	14:50	25 MAR 96
117789-0050-SA	3N-1-15	SOIL	25 MAR 96	14:55	25 MAR 96
117789-0051-SA	3N-1-20	SOIL	25 MAR 96	15:00	25 MAR 96
117789-0052-SA	3N-1-25	SOIL	25 MAR 96	15:05	25 MAR 96

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3I-1-5.0'
LAB ID: 117789-0001-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 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	27 MAR 96	03 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	27 MAR 96	03 APR 96
Barium	105		1.0	20.0	mg/kg	SW6010	27 MAR 96	03 APR 96
Beryllium	0.86		1.0	0.50	mg/kg	SW6010	27 MAR 96	03 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	27 MAR 96	03 APR 96
Chromium	32.3		1.0	0.50	mg/kg	SW6010	27 MAR 96	03 APR 96
Cobalt	20.6		1.0	5.0	mg/kg	SW6010	27 MAR 96	03 APR 96
Copper	34.3		1.0	2.5	mg/kg	SW6010	27 MAR 96	03 APR 96
Lead	7.0		1.0	0.30	mg/kg	SW6010	27 MAR 96	03 APR 96
Mercury	0.055		1.0	0.040	mg/kg	SW7471	27 MAR 96	28 MAR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	27 MAR 96	03 APR 96
Nickel	21.2		1.0	4.0	mg/kg	SW6010	27 MAR 96	03 APR 96
Selenium	0.64		1.0	0.50	mg/kg	SW6010	27 MAR 96	03 APR 96
Silver	3.4		1.0	0.50	mg/kg	SW6010	27 MAR 96	03 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	27 MAR 96	03 APR 96
Vanadium	67.3		1.0	5.0	mg/kg	SW6010	27 MAR 96	03 APR 96
Zinc	80.1		1.0	2.0	mg/kg	SW6010	27 MAR 96	03 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	26 MAR 96	26 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3I-1-10.5'
LAB ID: 117789-0003-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 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	27 MAR 96	03 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	27 MAR 96	03 APR 96
Barium	124		1.0	20.0	mg/kg	SW6010	27 MAR 96	03 APR 96
Beryllium	0.77		1.0	0.50	mg/kg	SW6010	27 MAR 96	03 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	27 MAR 96	03 APR 96
Chromium	28.8		1.0	0.50	mg/kg	SW6010	27 MAR 96	03 APR 96
Cobalt	17.8		1.0	5.0	mg/kg	SW6010	27 MAR 96	03 APR 96
Copper	34.2		1.0	2.5	mg/kg	SW6010	27 MAR 96	03 APR 96
Lead	6.5		1.0	0.30	mg/kg	SW6010	27 MAR 96	03 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	27 MAR 96	28 MAR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	27 MAR 96	03 APR 96
Nickel	22.9		1.0	4.0	mg/kg	SW6010	27 MAR 96	03 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	03 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	03 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	27 MAR 96	03 APR 96
Vanadium	60.9		1.0	5.0	mg/kg	SW6010	27 MAR 96	03 APR 96
Zinc	79.6		1.0	2.0	mg/kg	SW6010	27 MAR 96	03 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	26 MAR 96	26 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3I-2-5.0'
LAB ID: 117789-0011-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 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	27 MAR 96	04 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Barium	148		1.0	20.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Beryllium	0.75		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	27 MAR 96	04 APR 96
Chromium	30.9		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cobalt	48.1		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Copper	34.0		1.0	2.5	mg/kg	SW6010	27 MAR 96	04 APR 96
Lead	10.0		1.0	0.30	mg/kg	SW6010	27 MAR 96	04 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	27 MAR 96	28 MAR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Nickel	26.6		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	27 MAR 96	04 APR 96
Vanadium	57.2		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Zinc	74.5		1.0	2.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	26 MAR 96	26 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3I-2-10.5'
LAB ID: 117789-0013-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 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	27 MAR 96	04 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Barium	182		1.0	20.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Beryllium	0.85		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	27 MAR 96	04 APR 96
Chromium	32.3		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cobalt	19.3		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Copper	35.2		1.0	2.5	mg/kg	SW6010	27 MAR 96	04 APR 96
Lead	8.4		1.0	0.30	mg/kg	SW6010	27 MAR 96	04 APR 96
Mercury	0.059		1.0	0.040	mg/kg	SW7471	27 MAR 96	28 MAR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Nickel	22.1		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Selenium	0.53		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	27 MAR 96	04 APR 96
Vanadium	68.4		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Zinc	86.7		1.0	2.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	26 MAR 96	26 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3L-1-5.0'
LAB ID: 117789-0021-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 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	27 MAR 96	04 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Barium	117		1.0	20.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Beryllium	0.71		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	27 MAR 96	04 APR 96
Chromium	32.0		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cobalt	17.1		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Copper	74.4		1.0	2.5	mg/kg	SW6010	27 MAR 96	04 APR 96
Lead	6.8		1.0	0.30	mg/kg	SW6010	27 MAR 96	04 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	27 MAR 96	28 MAR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Nickel	21.2		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	27 MAR 96	04 APR 96
Vanadium	61.9		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Zinc	108		1.0	2.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	26 MAR 96	26 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3L-1-10.0'
LAB ID: 117789-0023-SA
Matrix: SOIL
Authorized: 26 MAR 96

Sampled: 25 MAR 96
Prepared: See Below

Received: 25 MAR 96
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Barium	142		1.0	20.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Beryllium	0.67		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	27 MAR 96	04 APR 96
Chromium	27.2		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cobalt	17.4		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Copper	28.7		1.0	2.5	mg/kg	SW6010	27 MAR 96	04 APR 96
Lead	6.0		1.0	0.30	mg/kg	SW6010	27 MAR 96	04 APR 96
Mercury	0.048		1.0	0.040	mg/kg	SW7471	27 MAR 96	28 MAR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Nickel	21.0		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	27 MAR 96	04 APR 96
Vanadium	57.0		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Zinc	74.1		1.0	2.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	26 MAR 96	26 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3L-2-5.0'
LAB ID: 117789-0031-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 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	27 MAR 96	04 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Barium	145		1.0	20.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Beryllium	0.75		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	27 MAR 96	04 APR 96
Chromium	35.2		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cobalt	17.9		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Copper	35.0		1.0	2.5	mg/kg	SW6010	27 MAR 96	04 APR 96
Lead	6.6		1.0	0.30	mg/kg	SW6010	27 MAR 96	04 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	27 MAR 96	28 MAR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Nickel	24.6		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Selenium	0.63		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	27 MAR 96	04 APR 96
Vanadium	65.4		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Zinc	80.4		1.0	2.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	26 MAR 96	26 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3L-2-10.0'
LAB ID: 117789-0033-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 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	27 MAR 96	04 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Barium	140		1.0	20.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Beryllium	0.62		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	27 MAR 96	04 APR 96
Chromium	24.2		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cobalt	16.2		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Copper	26.8		1.0	2.5	mg/kg	SW6010	27 MAR 96	04 APR 96
Lead	5.2		1.0	0.30	mg/kg	SW6010	27 MAR 96	04 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	27 MAR 96	28 MAR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Nickel	18.8		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	27 MAR 96	04 APR 96
Vanadium	54.1		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Zinc	69.8		1.0	2.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	26 MAR 96	26 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3K-1-10
LAB ID: 117789-0041-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 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	27 MAR 96	04 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Barium	179		1.0	20.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Beryllium	0.83		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	27 MAR 96	04 APR 96
Chromium	37.5		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cobalt	19.6		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Copper	39.9		1.0	2.5	mg/kg	SW6010	27 MAR 96	04 APR 96
Lead	8.0		1.0	0.30	mg/kg	SW6010	27 MAR 96	04 APR 96
Mercury	0.042		1.0	0.040	mg/kg	SW7471	27 MAR 96	28 MAR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Nickel	30.9		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	27 MAR 96	04 APR 96
Vanadium	75.5		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Zinc	81.0		1.0	2.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	26 MAR 96	26 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3K-1-15
LAB ID: 117789-0042-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 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	27 MAR 96	04 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Barium	164		1.0	20.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Beryllium	0.59		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	27 MAR 96	04 APR 96
Chromium	26.0		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cobalt	16.8		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Copper	23.4		1.0	2.5	mg/kg	SW6010	27 MAR 96	04 APR 96
Lead	5.5		1.0	0.30	mg/kg	SW6010	27 MAR 96	04 APR 96
Mercury	0.062		1.0	0.040	mg/kg	SW7471	27 MAR 96	28 MAR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Nickel	19.0		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	27 MAR 96	04 APR 96
Vanadium	55.6		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Zinc	73.1		1.0	2.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	26 MAR 96	26 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3J-2-10
LAB ID: 117789-0045-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 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	27 MAR 96	04 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Barium	170		1.0	20.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Beryllium	0.80		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	27 MAR 96	04 APR 96
Chromium	35.9		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cobalt	18.8		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Copper	30.6		1.0	2.5	mg/kg	SW6010	27 MAR 96	04 APR 96
Lead	7.8		1.0	0.30	mg/kg	SW6010	27 MAR 96	04 APR 96
Mercury	0.060		1.0	0.040	mg/kg	SW7471	27 MAR 96	28 MAR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Nickel	26.9		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	27 MAR 96	04 APR 96
Vanadium	68.3		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Zinc	75.7		1.0	2.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	26 MAR 96	26 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3J-2-15
LAB ID: 117789-0046-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 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	27 MAR 96	04 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Barium	168		1.0	20.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Beryllium	0.65		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	27 MAR 96	04 APR 96
Chromium	30.0		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cobalt	17.0		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Copper	28.9		1.0	2.5	mg/kg	SW6010	27 MAR 96	04 APR 96
Lead	6.6		1.0	0.30	mg/kg	SW6010	27 MAR 96	04 APR 96
Mercury	0.040		1.0	0.040	mg/kg	SW7471	27 MAR 96	28 MAR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Nickel	22.2		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	27 MAR 96	04 APR 96
Vanadium	62.8		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Zinc	70.4		1.0	2.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	26 MAR 96	26 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3N-1-10
LAB ID: 117789-0049-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 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	27 MAR 96	04 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Barium	161		1.0	20.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Beryllium	0.84		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cadmium	0.46		1.0	0.20	mg/kg	SW6010	27 MAR 96	04 APR 96
Chromium	33.5		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cobalt	19.8		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Copper	37.9		1.0	2.5	mg/kg	SW6010	27 MAR 96	04 APR 96
Lead	7.7		1.0	0.30	mg/kg	SW6010	27 MAR 96	04 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	27 MAR 96	28 MAR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Nickel	22.0		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	27 MAR 96	04 APR 96
Vanadium	64.6		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Zinc	126		1.0	2.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	28 MAR 96	28 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3N-1-15
LAB ID: 117789-0050-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 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	27 MAR 96	04 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Barium	118		1.0	20.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Beryllium	0.80		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cadmium	0.45		1.0	0.20	mg/kg	SW6010	27 MAR 96	04 APR 96
Chromium	33.6		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Cobalt	16.5		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Copper	35.6		1.0	2.5	mg/kg	SW6010	27 MAR 96	04 APR 96
Lead	6.8		1.0	0.30	mg/kg	SW6010	27 MAR 96	04 APR 96
Mercury	0.043		1.0	0.040	mg/kg	SW7471	27 MAR 96	28 MAR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Nickel	25.4		1.0	4.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	27 MAR 96	04 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	27 MAR 96	04 APR 96
Vanadium	65.1		1.0	5.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Zinc	87.4		1.0	2.0	mg/kg	SW6010	27 MAR 96	04 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	28 MAR 96	28 MAR 96

ND = Not Detected

Quanterra Environmental Services

Halogenated Volatile Organics
Method 8010

Client Name: Kennedy/Jenks Consultants
Client ID: 3I-1-5.5'
LAB ID: 117789-0002-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 96 — Prepared: 02 APR 96 — Analyzed: 02 APR 96
Instrument: VOA — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Chloromethane	ND		5.0	ug/kg
Bromomethane	ND		5.0	ug/kg
Vinyl chloride	ND		5.0	ug/kg
Chloroethane	ND		5.0	ug/kg
Methylene chloride	ND		5.0	ug/kg
Trichlorofluoromethane	ND		5.0	ug/kg
1,1-Dichloroethene	ND		5.0	ug/kg
1,1-Dichloroethane	ND		5.0	ug/kg
trans-1,2-Dichloroethene	ND		5.0	ug/kg
Chloroform	ND		5.0	ug/kg
1,2-Dichloroethane	ND		5.0	ug/kg
1,1,1-Trichloroethane	ND		5.0	ug/kg
Carbon tetrachloride	ND		5.0	ug/kg
Bromodichloromethane	ND		5.0	ug/kg
1,2-Dichloropropane	ND		5.0	ug/kg
cis-1,3-Dichloropropene	ND		5.0	ug/kg
Trichloroethene	ND		5.0	ug/kg
Dibromochloromethane	ND		5.0	ug/kg
1,1,2-Trichloroethane	ND		5.0	ug/kg
trans-1,3-Dichloropropene	ND		5.0	ug/kg
2-Chloroethyl vinyl ether	ND		5.0	ug/kg
Bromoform	ND		5.0	ug/kg
Tetrachloroethene	ND		5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	67	%	11 - 113

ND = Not Detected

Quanterra Environmental Services

Halogenated Volatile Organics
Method 8010

Client Name: Kennedy/Jenks Consultants
Client ID: 3I-1-11.5'
LAB ID: 117789-0004-SA
Matrix: SOIL Sampled: 25 MAR 96 Received: 25 MAR 96
Authorized: 26 MAR 96 Prepared: 02 APR 96 Analyzed: 02 APR 96
Instrument: VOA Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Chloromethane	ND		5.0	ug/kg
Bromomethane	ND		5.0	ug/kg
Vinyl chloride	ND		5.0	ug/kg
Chloroethane	ND		5.0	ug/kg
Methylene chloride	ND		5.0	ug/kg
Trichlorofluoromethane	ND		5.0	ug/kg
1,1-Dichloroethene	ND		5.0	ug/kg
1,1-Dichloroethane	ND		5.0	ug/kg
trans-1,2-Dichloroethene	ND		5.0	ug/kg
Chloroform	ND		5.0	ug/kg
1,2-Dichloroethane	ND		5.0	ug/kg
1,1,1-Trichloroethane	ND		5.0	ug/kg
Carbon tetrachloride	ND		5.0	ug/kg
Bromodichloromethane	ND		5.0	ug/kg
1,2-Dichloropropane	ND		5.0	ug/kg
cis-1,3-Dichloropropene	ND		5.0	ug/kg
Trichloroethene	ND		5.0	ug/kg
Dibromochloromethane	ND		5.0	ug/kg
1,1,2-Trichloroethane	ND		5.0	ug/kg
trans-1,3-Dichloropropene	ND		5.0	ug/kg
2-Chloroethyl vinyl ether	ND		5.0	ug/kg
Bromoform	ND		5.0	ug/kg
Tetrachloroethene	ND		5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	56	%	11 - 113

ND = Not Detected

Quanterra Environmental Services

Halogenated Volatile Organics
Method 8010

Client Name: Kennedy/Jenks Consultants
Client ID: 3I-2-5.5'
LAB ID: 117789-0012-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 96 — Prepared: 02 APR 96 — Analyzed: 02 APR 96
Instrument: VOA — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Chloromethane	ND		5.0	ug/kg
Bromomethane	ND		5.0	ug/kg
Vinyl chloride	ND		5.0	ug/kg
Chloroethane	ND		5.0	ug/kg
Methylene chloride	ND		5.0	ug/kg
Trichlorofluoromethane	ND		5.0	ug/kg
1,1-Dichloroethene	ND		5.0	ug/kg
1,1-Dichloroethane	ND		5.0	ug/kg
trans-1,2-Dichloroethene	ND		5.0	ug/kg
Chloroform	ND		5.0	ug/kg
1,2-Dichloroethane	ND		5.0	ug/kg
1,1,1-Trichloroethane	ND		5.0	ug/kg
Carbon tetrachloride	ND		5.0	ug/kg
Bromodichloromethane	ND		5.0	ug/kg
1,2-Dichloropropane	ND		5.0	ug/kg
cis-1,3-Dichloropropene	ND		5.0	ug/kg
Trichloroethene	ND		5.0	ug/kg
Dibromochloromethane	ND		5.0	ug/kg
1,1,2-Trichloroethane	ND		5.0	ug/kg
trans-1,3-Dichloropropene	ND		5.0	ug/kg
2-Chloroethyl vinyl ether	ND		5.0	ug/kg
Bromoform	ND		5.0	ug/kg
Tetrachloroethene	ND		5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	73	%	11 - 113

ND = Not Detected

Quanterra Environmental Services

Halogenated Volatile Organics
Method 8010

Client Name: Kennedy/Jenks Consultants
Client ID: 3I-2-11.0'
LAB ID: 117789-0014-SA
Matrix: SOIL Sampled: 25 MAR 96 Received: 25 MAR 96
Authorized: 26 MAR 96 Prepared: 02 APR 96 Analyzed: 02 APR 96
Instrument: VOA Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Chloromethane	ND		5.0	ug/kg
Bromomethane	ND		5.0	ug/kg
Vinyl chloride	ND		5.0	ug/kg
Chloroethane	ND		5.0	ug/kg
Methylene chloride	ND		5.0	ug/kg
Trichlorofluoromethane	ND		5.0	ug/kg
1,1-Dichloroethene	ND		5.0	ug/kg
1,1-Dichloroethane	ND		5.0	ug/kg
trans-1,2-Dichloroethene	ND		5.0	ug/kg
Chloroform	ND		5.0	ug/kg
1,2-Dichloroethane	ND		5.0	ug/kg
1,1,1-Trichloroethane	ND		5.0	ug/kg
Carbon tetrachloride	ND		5.0	ug/kg
Bromodichloromethane	ND		5.0	ug/kg
1,2-Dichloropropane	ND		5.0	ug/kg
cis-1,3-Dichloropropene	ND		5.0	ug/kg
Trichloroethene	ND		5.0	ug/kg
Dibromochloromethane	ND		5.0	ug/kg
1,1,2-Trichloroethane	ND		5.0	ug/kg
trans-1,3-Dichloropropene	ND		5.0	ug/kg
2-Chloroethyl vinyl ether	ND		5.0	ug/kg
Bromoform	ND		5.0	ug/kg
Tetrachloroethene	ND		5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	68	%	11 - 113

ND = Not Detected

Quanterra Environmental Services

Halogenated Volatile Organics
Method 8010

Client Name: Kennedy/Jenks Consultants
Client ID: 3L-1-5.5'
LAB ID: 117789-0022-SA
Matrix: SOIL Sampled: 25 MAR 96 Received: 25 MAR 96
Authorized: 26 MAR 96 Prepared: 02 APR 96 Analyzed: 02 APR 96
Instrument: VOA Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Chloromethane	ND		5.0	ug/kg
Bromomethane	ND		5.0	ug/kg
Vinyl chloride	ND		5.0	ug/kg
Chloroethane	ND		5.0	ug/kg
Methylene chloride	ND		5.0	ug/kg
Trichlorofluoromethane	ND		5.0	ug/kg
1,1-Dichloroethene	ND		5.0	ug/kg
1,1-Dichloroethane	ND		5.0	ug/kg
trans-1,2-Dichloroethene	ND		5.0	ug/kg
Chloroform	ND		5.0	ug/kg
1,2-Dichloroethane	ND		5.0	ug/kg
1,1,1-Trichloroethane	ND		5.0	ug/kg
Carbon tetrachloride	ND		5.0	ug/kg
Bromodichloromethane	ND		5.0	ug/kg
1,2-Dichloropropane	ND		5.0	ug/kg
cis-1,3-Dichloropropene	ND		5.0	ug/kg
Trichloroethene	ND		5.0	ug/kg
Dibromochloromethane	ND		5.0	ug/kg
1,1,2-Trichloroethane	ND		5.0	ug/kg
trans-1,3-Dichloropropene	ND		5.0	ug/kg
2-Chloroethyl vinyl ether	ND		5.0	ug/kg
Bromoform	ND		5.0	ug/kg
Tetrachloroethene	ND		5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	68	%	11 - 113

ND = Not Detected

Quanterra Environmental Services

Halogenated Volatile Organics
Method 8010

Client Name: Kennedy/Jenks Consultants
Client ID: 3L-1-10.5'
LAB ID: 117789-0024-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 96 — Prepared: 02 APR 96 — Analyzed: 02 APR 96
Instrument: VOA — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Chloromethane	ND		5.0	ug/kg
Bromomethane	ND		5.0	ug/kg
Vinyl chloride	ND		5.0	ug/kg
Chloroethane	ND		5.0	ug/kg
Methylene chloride	ND		5.0	ug/kg
Trichlorofluoromethane	ND		5.0	ug/kg
1,1-Dichloroethene	ND		5.0	ug/kg
1,1-Dichloroethane	ND		5.0	ug/kg
trans-1,2-Dichloroethene	ND		5.0	ug/kg
Chloroform	ND		5.0	ug/kg
1,2-Dichloroethane	ND		5.0	ug/kg
1,1,1-Trichloroethane	ND		5.0	ug/kg
Carbon tetrachloride	ND		5.0	ug/kg
Bromodichloromethane	ND		5.0	ug/kg
1,2-Dichloropropane	ND		5.0	ug/kg
cis-1,3-Dichloropropene	ND		5.0	ug/kg
Trichloroethene	ND		5.0	ug/kg
Dibromochloromethane	ND		5.0	ug/kg
1,1,2-Trichloroethane	ND		5.0	ug/kg
trans-1,3-Dichloropropene	ND		5.0	ug/kg
2-Chloroethyl vinyl ether	ND		5.0	ug/kg
Bromoform	ND		5.0	ug/kg
Tetrachloroethene	ND		5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	66	%	11 - 113

ND = Not Detected

Quanterra Environmental Services

Halogenated Volatile Organics
Method 8010

Client Name: Kennedy/Jenks Consultants
Client ID: 3L-2-5.5'
LAB ID: 117789-0032-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 96 — Prepared: 02 APR 96 — Analyzed: 02 APR 96
Instrument: VOA — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Chloromethane	ND		5.0	ug/kg
Bromomethane	ND		5.0	ug/kg
Vinyl chloride	ND		5.0	ug/kg
Chloroethane	ND		5.0	ug/kg
Methylene chloride	ND		5.0	ug/kg
Trichlorofluoromethane	ND		5.0	ug/kg
1,1-Dichloroethene	ND		5.0	ug/kg
1,1-Dichloroethane	ND		5.0	ug/kg
trans-1,2-Dichloroethene	ND		5.0	ug/kg
Chloroform	ND		5.0	ug/kg
1,2-Dichloroethane	ND		5.0	ug/kg
1,1,1-Trichloroethane	ND		5.0	ug/kg
Carbon tetrachloride	ND		5.0	ug/kg
Bromodichloromethane	ND		5.0	ug/kg
1,2-Dichloropropane	ND		5.0	ug/kg
cis-1,3-Dichloropropene	ND		5.0	ug/kg
Trichloroethene	ND		5.0	ug/kg
Dibromochloromethane	ND		5.0	ug/kg
1,1,2-Trichloroethane	ND		5.0	ug/kg
trans-1,3-Dichloropropene	ND		5.0	ug/kg
2-Chloroethyl vinyl ether	ND		5.0	ug/kg
Bromoform	ND		5.0	ug/kg
Tetrachloroethene	ND		5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	64	%	11 - 113

ND = Not Detected

Quanterra Environmental Services

Halogenated Volatile Organics
Method 8010

Client Name: Kennedy/Jenks Consultants
Client ID: 3L-2-10.5'
LAB ID: 117789-0034-SA
Matrix: SOIL Sampled: 25 MAR 96 Received: 25 MAR 96
Authorized: 26 MAR 96 Prepared: 02 APR 96 Analyzed: 02 APR 96
Instrument: VOA Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Chloromethane	ND		5.0	ug/kg
Bromomethane	ND		5.0	ug/kg
Vinyl chloride	ND		5.0	ug/kg
Chloroethane	ND		5.0	ug/kg
Methylene chloride	ND		5.0	ug/kg
Trichlorofluoromethane	ND		5.0	ug/kg
1,1-Dichloroethene	ND		5.0	ug/kg
1,1-Dichloroethane	ND		5.0	ug/kg
trans-1,2-Dichloroethene	ND		5.0	ug/kg
Chloroform	ND		5.0	ug/kg
1,2-Dichloroethane	ND		5.0	ug/kg
1,1,1-Trichloroethane	ND		5.0	ug/kg
Carbon tetrachloride	ND		5.0	ug/kg
Bromodichloromethane	ND		5.0	ug/kg
1,2-Dichloropropane	ND		5.0	ug/kg
cis-1,3-Dichloropropene	ND		5.0	ug/kg
Trichloroethene	ND		5.0	ug/kg
Dibromochloromethane	ND		5.0	ug/kg
1,1,2-Trichloroethane	ND		5.0	ug/kg
trans-1,3-Dichloropropene	ND		5.0	ug/kg
2-Chloroethyl vinyl ether	ND		5.0	ug/kg
Bromoform	ND		5.0	ug/kg
Tetrachloroethene	ND		5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	68	%	11 - 113

ND = Not Detected

Quanterra Environmental Services

Halogenated Volatile Organics
Method 8010

Client Name: Kennedy/Jenks Consultants
Client ID: 3K-1-10
LAB ID: 117789-0041-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 96 — Prepared: 02 APR 96 — Analyzed: 02 APR 96
Instrument: VOA — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Chloromethane	ND		5.0	ug/kg
Bromomethane	ND		5.0	ug/kg
Vinyl chloride	ND		5.0	ug/kg
Chloroethane	ND		5.0	ug/kg
Methylene chloride	ND		5.0	ug/kg
Trichlorofluoromethane	ND		5.0	ug/kg
1,1-Dichloroethene	ND		5.0	ug/kg
1,1-Dichloroethane	ND		5.0	ug/kg
trans-1,2-Dichloroethene	ND		5.0	ug/kg
Chloroform	ND		5.0	ug/kg
1,2-Dichloroethane	ND		5.0	ug/kg
1,1,1-Trichloroethane	ND		5.0	ug/kg
Carbon tetrachloride	ND		5.0	ug/kg
Bromodichloromethane	ND		5.0	ug/kg
1,2-Dichloropropane	ND		5.0	ug/kg
cis-1,3-Dichloropropene	ND		5.0	ug/kg
Trichloroethene	ND		5.0	ug/kg
Dibromochloromethane	ND		5.0	ug/kg
1,1,2-Trichloroethane	ND		5.0	ug/kg
trans-1,3-Dichloropropene	ND		5.0	ug/kg
2-Chloroethyl vinyl ether	ND		5.0	ug/kg
Bromoform	ND		5.0	ug/kg
Tetrachloroethene	ND		5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	52	%	11 - 113

ND = Not Detected

Quanterra Environmental Services

Halogenated Volatile Organics
Method 8010

Client Name: Kennedy/Jenks Consultants
Client ID: 3K-1-15
LAB ID: 117789-0042-SA
Matrix: SOIL Sampled: 25 MAR 96 Received: 25 MAR 96
Authorized: 26 MAR 96 Prepared: 02 APR 96 Analyzed: 02 APR 96
Instrument: VOA Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Chloromethane	ND		5.0	ug/kg
Bromomethane	ND		5.0	ug/kg
Vinyl chloride	ND		5.0	ug/kg
Chloroethane	ND		5.0	ug/kg
Methylene chloride	ND		5.0	ug/kg
Trichlorofluoromethane	ND		5.0	ug/kg
1,1-Dichloroethene	ND		5.0	ug/kg
1,1-Dichloroethane	ND		5.0	ug/kg
trans-1,2-Dichloroethene	ND		5.0	ug/kg
Chloroform	ND		5.0	ug/kg
1,2-Dichloroethane	ND		5.0	ug/kg
1,1,1-Trichloroethane	ND		5.0	ug/kg
Carbon tetrachloride	ND		5.0	ug/kg
Bromodichloromethane	ND		5.0	ug/kg
1,2-Dichloropropane	ND		5.0	ug/kg
cis-1,3-Dichloropropene	ND		5.0	ug/kg
Trichloroethene	ND		5.0	ug/kg
Dibromochloromethane	ND		5.0	ug/kg
1,1,2-Trichloroethane	ND		5.0	ug/kg
trans-1,3-Dichloropropene	ND		5.0	ug/kg
2-Chloroethyl vinyl ether	ND		5.0	ug/kg
Bromoform	ND		5.0	ug/kg
Tetrachloroethene	ND		5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	68	%	11 - 113

ND = Not Detected

Quanterra Environmental Services

Halogenated Volatile Organics
Method 8010

Client Name: Kennedy/Jenks Consultants
Client ID: 3J-2-10
LAB ID: 117789-0045-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 96 — Prepared: 02 APR 96 — Analyzed: 02 APR 96
Instrument: VOA — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Chloromethane	ND		5.0	ug/kg
Bromomethane	ND		5.0	ug/kg
Vinyl chloride	ND		5.0	ug/kg
Chloroethane	ND		5.0	ug/kg
Methylene chloride	ND		5.0	ug/kg
Trichlorofluoromethane	ND		5.0	ug/kg
1,1-Dichloroethene	ND		5.0	ug/kg
1,1-Dichloroethane	ND		5.0	ug/kg
trans-1,2-Dichloroethene	ND		5.0	ug/kg
Chloroform	ND		5.0	ug/kg
1,2-Dichloroethane	ND		5.0	ug/kg
1,1,1-Trichloroethane	ND		5.0	ug/kg
Carbon tetrachloride	ND		5.0	ug/kg
Bromodichloromethane	ND		5.0	ug/kg
1,2-Dichloropropane	ND		5.0	ug/kg
cis-1,3-Dichloropropene	ND		5.0	ug/kg
Trichloroethene	ND		5.0	ug/kg
Dibromochloromethane	ND		5.0	ug/kg
1,1,2-Trichloroethane	ND		5.0	ug/kg
trans-1,3-Dichloropropene	ND		5.0	ug/kg
2-Chloroethyl vinyl ether	ND		5.0	ug/kg
Bromoform	ND		5.0	ug/kg
Tetrachloroethene	ND		5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	66	%	11 - 113

ND = Not Detected

Quanterra Environmental Services

Halogenated Volatile Organics
Method 8010

Client Name: Kennedy/Jenks Consultants
Client ID: 3J-2-15
LAB ID: 117789-0046-SA
Matrix: SOIL Sampled: 25 MAR 96 Received: 25 MAR 96
Authorized: 26 MAR 96 Prepared: 02 APR 96 Analyzed: 02 APR 96
Instrument: VOA Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Chloromethane	ND		5.0	ug/kg
Bromomethane	ND		5.0	ug/kg
Vinyl chloride	ND		5.0	ug/kg
Chloroethane	ND		5.0	ug/kg
Methylene chloride	ND		5.0	ug/kg
Trichlorofluoromethane	ND		5.0	ug/kg
1,1-Dichloroethene	ND		5.0	ug/kg
1,1-Dichloroethane	ND		5.0	ug/kg
trans-1,2-Dichloroethene	ND		5.0	ug/kg
Chloroform	ND		5.0	ug/kg
1,2-Dichloroethane	ND		5.0	ug/kg
1,1,1-Trichloroethane	ND		5.0	ug/kg
Carbon tetrachloride	ND		5.0	ug/kg
Bromodichloromethane	ND		5.0	ug/kg
1,2-Dichloropropane	ND		5.0	ug/kg
cis-1,3-Dichloropropene	ND		5.0	ug/kg
Trichloroethene	ND		5.0	ug/kg
Dibromochloromethane	ND		5.0	ug/kg
1,1,2-Trichloroethane	ND		5.0	ug/kg
trans-1,3-Dichloropropene	ND		5.0	ug/kg
2-Chloroethyl vinyl ether	ND		5.0	ug/kg
Bromoform	ND		5.0	ug/kg
Tetrachloroethene	ND		5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	69	%	11 - 113

ND = Not Detected

Quanterra Environmental Services

Halogenated Volatile Organics
Method 8010

Client Name: Kennedy/Jenks Consultants
Client ID: 3N-1-10
LAB ID: 117789-0049-SA
Matrix: SOIL Sampled: 25 MAR 96 Received: 25 MAR 96
Authorized: 26 MAR 96 Prepared: 02 APR 96 Analyzed: 02 APR 96
Instrument: VOA Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Chloromethane	ND		5.0	ug/kg
Bromomethane	ND		5.0	ug/kg
Vinyl chloride	ND		5.0	ug/kg
Chloroethane	ND		5.0	ug/kg
Methylene chloride	ND		5.0	ug/kg
Trichlorofluoromethane	ND		5.0	ug/kg
1,1-Dichloroethene	ND		5.0	ug/kg
1,1-Dichloroethane	ND		5.0	ug/kg
trans-1,2-Dichloroethene	ND		5.0	ug/kg
Chloroform	ND		5.0	ug/kg
1,2-Dichloroethane	ND		5.0	ug/kg
1,1,1-Trichloroethane	ND		5.0	ug/kg
Carbon tetrachloride	ND		5.0	ug/kg
Bromodichloromethane	ND		5.0	ug/kg
1,2-Dichloropropane	ND		5.0	ug/kg
cis-1,3-Dichloropropene	ND		5.0	ug/kg
Trichloroethene	ND		5.0	ug/kg
Dibromochloromethane	ND		5.0	ug/kg
1,1,2-Trichloroethane	ND		5.0	ug/kg
trans-1,3-Dichloropropene	ND		5.0	ug/kg
2-Chloroethyl vinyl ether	ND		5.0	ug/kg
Bromoform	ND		5.0	ug/kg
Tetrachloroethene	ND		5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	66	%	11 - 113

ND = Not Detected

Quanterra Environmental Services

Halogenated Volatile Organics
Method 8010

Client Name: Kennedy/Jenks Consultants
Client ID: 3N-1-15
LAB ID: 117789-0050-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 96 — Prepared: 04 APR 96 — Analyzed: 04 APR 96
Instrument: VOA — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Chloromethane	ND		5.0	ug/kg
Bromomethane	ND		5.0	ug/kg
Vinyl chloride	ND		5.0	ug/kg
Chloroethane	ND		5.0	ug/kg
Methylene chloride	ND		5.0	ug/kg
Trichlorofluoromethane	ND		5.0	ug/kg
1,1-Dichloroethene	ND		5.0	ug/kg
1,1-Dichloroethane	ND		5.0	ug/kg
trans-1,2-Dichloroethene	ND		5.0	ug/kg
Chloroform	ND		5.0	ug/kg
1,2-Dichloroethane	ND		5.0	ug/kg
1,1,1-Trichloroethane	ND		5.0	ug/kg
Carbon tetrachloride	ND		5.0	ug/kg
Bromodichloromethane	ND		5.0	ug/kg
1,2-Dichloropropane	ND		5.0	ug/kg
cis-1,3-Dichloropropene	ND		5.0	ug/kg
Trichloroethene	ND		5.0	ug/kg
Dibromochloromethane	ND		5.0	ug/kg
1,1,2-Trichloroethane	ND		5.0	ug/kg
trans-1,3-Dichloropropene	ND		5.0	ug/kg
2-Chloroethyl vinyl ether	ND		5.0	ug/kg
Bromoform	ND		5.0	ug/kg
Tetrachloroethene	ND		5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	69	%	11 - 113

ND = Not Detected

Quanterra Environmental Services

Aromatic Volatile Organics
Method 8020

Client Name: Kennedy/Jenks Consultants
Client ID: 3I-1-5.5'
LAB ID: 117789-0002-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 96 — Prepared: 02 APR 96 — Analyzed: 02 APR 96
Instrument: VOA — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Benzene	ND		5.0	ug/kg
Toluene	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
Ethylbenzene	ND		5.0	ug/kg
Xylenes (total)	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	75	%	30 - 137

ND = Not Detected

Quanterra Environmental Services

Halogenated Volatile Organics
Method 8010

Client Name: Kennedy/Jenks Consultants
Client ID: 3N-1-15
LAB ID: 117789-0050-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 96 — Prepared: 04 APR 96 — Analyzed: 04 APR 96
Instrument: VOA — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Chloromethane	ND		5.0	ug/kg
Bromomethane	ND		5.0	ug/kg
Vinyl chloride	ND		5.0	ug/kg
Chloroethane	ND		5.0	ug/kg
Methylene chloride	ND		5.0	ug/kg
Trichlorofluoromethane	ND		5.0	ug/kg
1,1-Dichloroethene	ND		5.0	ug/kg
1,1-Dichloroethane	ND		5.0	ug/kg
trans-1,2-Dichloroethene	ND		5.0	ug/kg
Chloroform	ND		5.0	ug/kg
1,2-Dichloroethane	ND		5.0	ug/kg
1,1,1-Trichloroethane	ND		5.0	ug/kg
Carbon tetrachloride	ND		5.0	ug/kg
Bromodichloromethane	ND		5.0	ug/kg
1,2-Dichloropropane	ND		5.0	ug/kg
cis-1,3-Dichloropropene	ND		5.0	ug/kg
Trichloroethene	ND		5.0	ug/kg
Dibromochloromethane	ND		5.0	ug/kg
1,1,2-Trichloroethane	ND		5.0	ug/kg
trans-1,3-Dichloropropene	ND		5.0	ug/kg
2-Chloroethyl vinyl ether	ND		5.0	ug/kg
Bromoform	ND		5.0	ug/kg
Tetrachloroethene	ND		5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	69	%	11 - 113

ND = Not Detected

Quanterra Environmental Services

Aromatic Volatile Organics
Method 8020

Client Name: Kennedy/Jenks Consultants
Client ID: 3I-1-11.5'
LAB ID: 117789-0004-SA
Matrix: SOIL Sampled: 25 MAR 96 Received: 25 MAR 96
Authorized: 26 MAR 96 Prepared: 02 APR 96 Analyzed: 02 APR 96
Instrument: VOA Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Benzene	ND		5.0	ug/kg
Toluene	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
Ethylbenzene	ND		5.0	ug/kg
Xylenes (total)	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	64	%	30 - 137

ND = Not Detected

Quanterra Environmental Services

Aromatic Volatile Organics
Method 8020

Client Name: Kennedy/Jenks Consultants
Client ID: 3I-2-5.5'
LAB ID: 117789-0012-SA
Matrix: SOIL Sampled: 25 MAR 96 Received: 25 MAR 96
Authorized: 26 MAR 96 Prepared: 02 APR 96 Analyzed: 02 APR 96
Instrument: VOA Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Benzene	ND		5.0	ug/kg
Toluene	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
Ethylbenzene	ND		5.0	ug/kg
Xylenes (total)	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	81	%	30 - 137

ND = Not Detected

Quanterra Environmental Services

Aromatic Volatile Organics
Method 8020

Client Name: Kennedy/Jenks Consultants
Client ID: 3I-2-11.0'
LAB ID: 117789-0014-SA
Matrix: SOIL Sampled: 25 MAR 96 Received: 25 MAR 96
Authorized: 26 MAR 96 Prepared: 02 APR 96 Analyzed: 02 APR 96
Instrument: VOA Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Benzene	ND		5.0	ug/kg
Toluene	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
Ethylbenzene	ND		5.0	ug/kg
Xylenes (total)	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	76	%	30 - 137

ND = Not Detected

Quanterra Environmental Services

Aromatic Volatile Organics
Method 8020

Client Name: Kennedy/Jenks Consultants
Client ID: 3L-1-5.5'
LAB ID: 117789-0022-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 96 — Prepared: 02 APR 96 — Analyzed: 02 APR 96
Instrument: VOA — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Benzene	ND		5.0	ug/kg
Toluene	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
Ethylbenzene	ND		5.0	ug/kg
Xylenes (total)	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	76	%	30 - 137

ND = Not Detected

Quanterra Environmental Services

Aromatic Volatile Organics
Method 8020

Client Name: Kennedy/Jenks Consultants
Client ID: 3L-1-10.5'
LAB ID: 117789-0024-SA
Matrix: SOIL Sampled: 25 MAR 96 Received: 25 MAR 96
Authorized: 26 MAR 96 Prepared: 02 APR 96 Analyzed: 02 APR 96
Instrument: VOA Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Benzene	ND		5.0	ug/kg
Toluene	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
Ethylbenzene	ND		5.0	ug/kg
Xylenes (total)	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	73	%	30 - 137

ND = Not Detected

Quanterra Environmental Services

Aromatic Volatile Organics
Method 8020

Client Name: Kennedy/Jenks Consultants
Client ID: 3L-2-5.5'
LAB ID: 117789-0032-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 96 — Prepared: 02 APR 96 — Analyzed: 02 APR 96
Instrument: VOA — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Benzene	ND		5.0	ug/kg
Toluene	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
Ethylbenzene	ND		5.0	ug/kg
Xylenes (total)	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	74	%	30 - 137

ND = Not Detected

Quanterra Environmental Services

Aromatic Volatile Organics
Method 8020

Client Name: Kennedy/Jenks Consultants
Client ID: 3L-2-10.5'
LAB ID: 117789-0034-SA
Matrix: SOIL Sampled: 25 MAR 96 Received: 25 MAR 96
Authorized: 26 MAR 96 Prepared: 02 APR 96 Analyzed: 02 APR 96
Instrument: VOA Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Benzene	ND		5.0	ug/kg
Toluene	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
Ethylbenzene	ND		5.0	ug/kg
Xylenes (total)	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	75	%	30 - 137

ND = Not Detected

Quanterra Environmental Services

Aromatic Volatile Organics
Method 8020

Client Name: Kennedy/Jenks Consultants
Client ID: 3K-1-10
LAB ID: 117789-0041-SA
Matrix: SOIL Sampled: 25 MAR 96 Received: 25 MAR 96
Authorized: 26 MAR 96 Prepared: 02 APR 96 Analyzed: 02 APR 96
Instrument: VOA Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Benzene	ND		5.0	ug/kg
Toluene	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
Ethylbenzene	ND		5.0	ug/kg
Xylenes (total)	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	59	%	30 - 137

ND = Not Detected

Quanterra Environmental Services

Aromatic Volatile Organics
Method 8020

Client Name: Kennedy/Jenks Consultants
Client ID: 3K-1-15
LAB ID: 117789-0042-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 96 — Prepared: 02 APR 96 — Analyzed: 02 APR 96
Instrument: VOA — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Benzene	ND		5.0	ug/kg
Toluene	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
Ethylbenzene	ND		5.0	ug/kg
Xylenes (total)	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	75	%	30 - 137

ND = Not Detected

Quanterra Environmental Services

Aromatic Volatile Organics
Method 8020

Client Name: Kennedy/Jenks Consultants
Client ID: 3J-2-10
LAB ID: 117789-0045-SA
Matrix: SOIL Sampled: 25 MAR 96 Received: 25 MAR 96
Authorized: 26 MAR 96 Prepared: 02 APR 96 Analyzed: 02 APR 96
Instrument: VOA Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Benzene	ND		5.0	ug/kg
Toluene	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
Ethylbenzene	ND		5.0	ug/kg
Xylenes (total)	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	74	%	30 - 137

ND = Not Detected

Quanterra Environmental Services

Aromatic Volatile Organics
Method 8020

Client Name: Kennedy/Jenks Consultants
Client ID: 3J-2-15
LAB ID: 117789-0046-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 96 — Prepared: 02 APR 96 — Analyzed: 02 APR 96
Instrument: VOA — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Benzene	ND		5.0	ug/kg
Toluene	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
Ethylbenzene	ND		5.0	ug/kg
Xylenes (total)	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	77	%	30 - 137

ND = Not Detected

Quanterra Environmental Services

Aromatic Volatile Organics
Method 8020

Client Name: Kennedy/Jenks Consultants
Client ID: 3N-1-10
LAB ID: 117789-0049-SA
Matrix: SOIL Sampled: 25 MAR 96 Received: 25 MAR 96
Authorized: 26 MAR 96 Prepared: 02 APR 96 Analyzed: 02 APR 96
Instrument: VOA Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Benzene	ND		5.0	ug/kg
Toluene	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
Ethylbenzene	ND		5.0	ug/kg
Xylenes (total)	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	73	%	30 - 137

ND = Not Detected

Quanterra Environmental Services

Aromatic Volatile Organics
Method 8020

Client Name: Kennedy/Jenks Consultants
Client ID: 3N-1-15
LAB ID: 117789-0050-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 96 — Prepared: 04 APR 96 — Analyzed: 04 APR 96
Instrument: VOA — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Benzene	ND		5.0	ug/kg
Toluene	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
Ethylbenzene	ND		5.0	ug/kg
Xylenes (total)	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	77	%	30 - 137

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3I-1-5.0'
LAB ID: 117789-0001-SA
Matrix: SOIL Sampled: 25 MAR 96 Received: 25 MAR 96
Authorized: 26 MAR 96 Prepared: 28 MAR 96 Analyzed: 02 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	71	%	60 - 150
Decachlorobiphenyl	88	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3I-1-10.5'
LAB ID: 117789-0003-SA
Matrix: SOIL
Sampled: 25 MAR 96
Received: 25 MAR 96
Authorized: 26 MAR 96
Prepared: 28 MAR 96
Analyzed: 02 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	66	%	60 - 150
Decachlorobiphenyl	89	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3I-2-5.0'
LAB ID: 117789-0011-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 96 — Prepared: 28 MAR 96 — Analyzed: 02 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	78	%	60 - 150
Decachlorobiphenyl	90	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3I-2-10.5'
LAB ID: 117789-0013-SA
Matrix: SOIL Sampled: 25 MAR 96 Received: 25 MAR 96
Authorized: 26 MAR 96 Prepared: 28 MAR 96 Analyzed: 02 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	62	%	60 - 150
Decachlorobiphenyl	88	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3L-1-5.0'
LAB ID: 117789-0021-SA
Matrix: SOIL Sampled: 25 MAR 96 Received: 25 MAR 96
Authorized: 26 MAR 96 Prepared: 28 MAR 96 Analyzed: 02 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	55	%	60 - 150	I
Decachlorobiphenyl	88	%	60 - 150	

I = Surrogate recovery outside of limits due to sample matrix interference.
ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3L-1-10.0'
LAB ID: 117789-0023-SA
Matrix: SOIL Sampled: 25 MAR 96 Received: 25 MAR 96
Authorized: 26 MAR 96 Prepared: 28 MAR 96 Analyzed: 02 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	82	%	60 - 150
Decachlorobiphenyl	100	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3L-2-5.0'
LAB ID: 117789-0031-SA
Matrix: SOIL Sampled: 25 MAR 96 Received: 25 MAR 96
Authorized: 26 MAR 96 Prepared: 28 MAR 96 Analyzed: 02 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	67	%	60 - 150
Decachlorobiphenyl	87	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3L-2-10.0'
LAB ID: 117789-0033-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 96 — Prepared: 28 MAR 96 — Analyzed: 02 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	94	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3K-1-10
LAB ID: 117789-0041-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 96 — Prepared: 28 MAR 96 — Analyzed: 02 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	67	%	60 - 150
Decachlorobiphenyl	89	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3K-1-15
LAB ID: 117789-0042-SA
Matrix: SOIL Sampled: 25 MAR 96 Received: 25 MAR 96
Authorized: 26 MAR 96 Prepared: 28 MAR 96 Analyzed: 02 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	80	%	60 - 150
Decachlorobiphenyl	96	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3J-2-10
LAB ID: 117789-0045-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 96 — Prepared: 28 MAR 96 — Analyzed: 04 APR 96
Instrument: GC/ECD-PVB — Dilution: 20

Parameter	Result	Qualifier	RL	Units
Aroclor 1016	ND		670	ug/kg
Aroclor 1221	ND		670	ug/kg
Aroclor 1232	ND		670	ug/kg
Aroclor 1242	ND		670	ug/kg
Aroclor 1248	9800		670	ug/kg
Aroclor 1254	ND		670	ug/kg
Aroclor 1260	ND		670	ug/kg

Surrogate	Recovery		Acceptable Range	
2,4,5,6-Tetrachloro-m-xylene	0.0	%	60 - 150	H
Decachlorobiphenyl	0.0	%	60 - 150	H

H = Surrogate not detected because of required sample dilution.
ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3J-2-15
LAB ID: 117789-0046-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 96 — Prepared: 28 MAR 96 — Analyzed: 04 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	130		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	62	%	60 - 150
Decachlorobiphenyl	96	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3N-1-10
LAB ID: 117789-0049-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 96 — Prepared: 28 MAR 96 — Analyzed: 03 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	56	%	60 - 150	I
Decachlorobiphenyl	77	%	60 - 150	

I = Surrogate recovery outside of limits due to sample matrix interference.
ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3N-1-15
LAB ID: 117789-0050-SA
Matrix: SOIL — Sampled: 25 MAR 96 — Received: 25 MAR 96
Authorized: 26 MAR 96 — Prepared: 28 MAR 96 — Analyzed: 03 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	58	%	60 - 150	I
Decachlorobiphenyl	78	%	60 - 150	

I = Surrogate recovery outside of limits due to sample matrix 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)
117789-0001-SA	SOLID	ICP-S		27 MAR 96-CX	27 MAR 96-CA
117789-0001-SA	SOLID	HG-CVAA-S		27 MAR 96-GX	27 MAR 96-GA
117789-0003-SA	SOLID	ICP-S		27 MAR 96-CX	27 MAR 96-CA
117789-0003-SA	SOLID	HG-CVAA-S		27 MAR 96-GX	27 MAR 96-GA
117789-0011-SA	SOLID	ICP-S		27 MAR 96-CX	27 MAR 96-CA
117789-0011-SA	SOLID	HG-CVAA-S		27 MAR 96-GX	27 MAR 96-GA
117789-0013-SA	SOLID	ICP-S		27 MAR 96-CX	27 MAR 96-CA
117789-0013-SA	SOLID	HG-CVAA-S		27 MAR 96-GX	27 MAR 96-GA
117789-0021-SA	SOLID	ICP-S		27 MAR 96-CX	27 MAR 96-CA
117789-0021-SA	SOLID	HG-CVAA-S		27 MAR 96-GX	27 MAR 96-GA
117789-0023-SA	SOLID	ICP-S		27 MAR 96-CX	27 MAR 96-CA
117789-0023-SA	SOLID	HG-CVAA-S		27 MAR 96-GX	27 MAR 96-GA
117789-0031-SA	SOLID	ICP-S		27 MAR 96-CX	27 MAR 96-CA
117789-0031-SA	SOLID	HG-CVAA-S		27 MAR 96-GX	27 MAR 96-GA
117789-0033-SA	SOLID	ICP-S		27 MAR 96-CX	27 MAR 96-CA
117789-0033-SA	SOLID	HG-CVAA-S		27 MAR 96-GX	27 MAR 96-GA
117789-0041-SA	SOLID	ICP-S		27 MAR 96-CX	27 MAR 96-CA
117789-0041-SA	SOLID	HG-CVAA-S		27 MAR 96-GX	27 MAR 96-GA
117789-0042-SA	SOLID	ICP-S		27 MAR 96-CX	27 MAR 96-CA
117789-0042-SA	SOLID	HG-CVAA-S		27 MAR 96-GX	27 MAR 96-GA
117789-0045-SA	SOLID	ICP-S		27 MAR 96-CX	27 MAR 96-CA
117789-0045-SA	SOLID	HG-CVAA-S		27 MAR 96-GX	27 MAR 96-GA
117789-0046-SA	SOLID	ICP-S		27 MAR 96-CX	27 MAR 96-CA
117789-0046-SA	SOLID	HG-CVAA-S		27 MAR 96-GX	27 MAR 96-GA
117789-0049-SA	SOLID	ICP-S		27 MAR 96-CX	27 MAR 96-CA
117789-0049-SA	SOLID	HG-CVAA-S		27 MAR 96-GX	27 MAR 96-GA
117789-0050-SA	SOLID	ICP-S		27 MAR 96-CX	27 MAR 96-CA
117789-0050-SA	SOLID	HG-CVAA-S		27 MAR 96-GX	27 MAR 96-GA

Quanterra Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Metals Analysis and Preparation
Project: 117789

Category: ICP-S ICP Metals
Matrix: SOLID
Date Analyzed: 03 APR 96
QC Run: 27 MAR 96-CX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits	
Antimony	38.1	37.9	99	70-110	
Arsenic	65.4	62.2	95	75-110	
Barium	161	153	95	85-115	
Beryllium	122	113	93	80-115	
Cadmium	85.4	77.7	91	80-115	
Chromium	71.6	75.8	106	85-120	
Cobalt	94.2	99.5	106	85-120	
Copper	173	153	89	85-115	
Lead	70.4	63.5	90	80-110	
Molybdenum	101	92.6	92	80-115	
Nickel	68.5	65.9	96	85-115	
Selenium	152	128	84	70-105	
Silver	89.0	78.5	88	80-110	
Thallium	71.8	86.5	120	80-110	a
Vanadium	105	115	109	85-115	
Zinc	110	102	93	80-115	

Category: HG-CVAA-S Mercury by CVAA
Matrix: SOLID
Date Analyzed: 28 MAR 96
QC Run: 27 MAR 96-GX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	1.68	1.70	101	80-120

a = See narrative.
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: 117789

Category: ICP-S ICP Metals
Matrix: SOLID
Sample: 117789-0001
MS Run: 27 MAR 96-CA
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	6.64 n	8.13 n	50.0	13	16	20	70-110	20
Arsenic	ND	185	182	200	93	91	1.6	75-110	20
Barium	105	307	297	200	101	96	5.1	85-115	20
Beryllium	0.862	5.71	5.60	5.00	97	95	2.4	80-115	20
Cadmium	ND	4.93	4.75	5.00	99	95	3.7	80-115	20
Chromium	32.3	51.9	50.6	20.0	98	92	6.6	85-120	20
Cobalt	20.6	78.0	69.6	50.0	115	98	16	85-120	20
Copper	34.3	60.3	55.5	25.0	104	85	20	85-115	20
Lead	7.00	53.3	52.2	50.0	93	90	2.3	80-110	20
Molybdenum	ND	89.6	89.2	100	90	89	0.4	80-115	20
Nickel	21.2	68.3	66.6	50.0	94	91	3.6	85-115	20
Selenium	0.640	172	170	200	86	85	1.5	70-105	20
Silver	3.40	4.71 n	4.66 n	5.00	26	25	4.3	80-110	20
Thallium	ND	184	180	200	92	90	2.3	80-110	20
Vanadium	67.3	115	113	50.0	95	92	3.2	85-115	20
Zinc	80.1	136	123	50.0	113	86	27	80-115	20

Category: HG-CVAA-S Mercury by CVAA
Matrix: SOLID
Sample: 117789-0001
MS Run: 27 MAR 96-GA
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	0.0547	0.725	0.722	0.750	89	89	0.4	80-120	20

= 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

METHOD BLANK REPORT
Metals Analysis and Preparation
Project: 117789

Test: ICPT-CAM-S Method 6010 - CAM TTLC Metals
Matrix: SOLID
QC Run: 27 MAR 96-CX Date Analyzed: 03 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 Method 7471 - Mercury, Cold Vapor AA
Matrix: SOLID
QC Run: 27 MAR 96-GX Date Analyzed: 28 MAR 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)
117789-0001-SA	SOLID	CR6-S		26 MAR 96-BX	26 MAR 96-BA
117789-0003-SA	SOLID	CR6-S		26 MAR 96-BX	26 MAR 96-BA
117789-0011-SA	SOLID	CR6-S		26 MAR 96-BX	26 MAR 96-BA
117789-0013-SA	SOLID	CR6-S		26 MAR 96-BX	26 MAR 96-BA
117789-0021-SA	SOLID	CR6-S		26 MAR 96-BX	26 MAR 96-BA
117789-0023-SA	SOLID	CR6-S		26 MAR 96-BX	26 MAR 96-BA
117789-0031-SA	SOLID	CR6-S		26 MAR 96-BX	26 MAR 96-BA
117789-0033-SA	SOLID	CR6-S		26 MAR 96-BX	26 MAR 96-BA
117789-0041-SA	SOLID	CR6-S		26 MAR 96-BX	26 MAR 96-BA
117789-0042-SA	SOLID	CR6-S		26 MAR 96-BX	26 MAR 96-BA
117789-0045-SA	SOLID	CR6-S		26 MAR 96-BX	26 MAR 96-BA
117789-0046-SA	SOLID	CR6-S		26 MAR 96-BX	26 MAR 96-BA
117789-0049-SA	SOLID	CR6-S		28 MAR 96-AX	28 MAR 96-AA
117789-0050-SA	SOLID	CR6-S		28 MAR 96-AX	28 MAR 96-AA

Quanterra
Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Wet Chemistry Analysis and Preparation
Project: 117789

Category: CR6-S Method 7196 - Chromium, Hexavalent
Matrix: SOLID Date Analyzed: 26 MAR 96
QC Run: 26 MAR 96-BX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Chromium, Hexavalent	0.250	0.228	91	70-122

Category: CR6-S Method 7196 - Chromium, Hexavalent
Matrix: SOLID Date Analyzed: 28 MAR 96
QC Run: 28 MAR 96-AX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Chromium, Hexavalent	0.250	0.250	100	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: 117789

Category: CR6-S Method 7196 - Chromium, Hexavalent
Matrix: SOLID
Sample: 117789-0019
MS Run: 26 MAR 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	0.219	0.182	0.250	88	73	18	33-136	41

Category: CR6-S Method 7196 - Chromium, Hexavalent
Matrix: SOLID
Sample: 117789-0050
MS Run: 28 MAR 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	0.228	0.233	0.250	91	93	2.2	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: 117789

Test: CR6-S Method 7196 - Chromium, Hexavalent
Matrix: SOLID
QC Run: 26 MAR 96-BX Date Analyzed: 26 MAR 96

Analyte	Result	Units	Reporting Limit
Chromium, Hexavalent	ND	mg/kg	0.10

QC Run: 28 MAR 96-AX Date Analyzed: 28 MAR 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
Volatile 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)
117789-0002-SA	SOLID	8010-S		01 APR 96-AFX	04 APR 96-AA
117789-0002-SA	SOLID	8020-S		01 APR 96-AFX	04 APR 96-AA
117789-0004-SA	SOLID	8010-S		01 APR 96-AFX	04 APR 96-AA
117789-0004-SA	SOLID	8020-S		01 APR 96-AFX	04 APR 96-AA
117789-0012-SA	SOLID	8010-S		01 APR 96-AFX	04 APR 96-AA
117789-0012-SA	SOLID	8020-S		01 APR 96-AFX	04 APR 96-AA
117789-0014-SA	SOLID	8010-S		01 APR 96-AFX	04 APR 96-AA
117789-0014-SA	SOLID	8020-S		01 APR 96-AFX	04 APR 96-AA
117789-0022-SA	SOLID	8010-S		01 APR 96-AFX	04 APR 96-AA
117789-0022-SA	SOLID	8020-S		01 APR 96-AFX	04 APR 96-AA
117789-0024-SA	SOLID	8010-S		01 APR 96-AFX	04 APR 96-AA
117789-0024-SA	SOLID	8020-S		01 APR 96-AFX	04 APR 96-AA
117789-0032-SA	SOLID	8010-S		01 APR 96-AFX	04 APR 96-AA
117789-0032-SA	SOLID	8020-S		01 APR 96-AFX	04 APR 96-AA
117789-0034-SA	SOLID	8010-S		01 APR 96-AFX	04 APR 96-AA
117789-0034-SA	SOLID	8020-S		01 APR 96-AFX	04 APR 96-AA
117789-0041-SA	SOLID	8010-S		01 APR 96-AFX	04 APR 96-AA
117789-0041-SA	SOLID	8020-S		01 APR 96-AFX	04 APR 96-AA
117789-0042-SA	SOLID	8010-S		01 APR 96-AFX	04 APR 96-AA
117789-0042-SA	SOLID	8020-S		01 APR 96-AFX	04 APR 96-AA
117789-0045-SA	SOLID	8010-S		01 APR 96-AFX	04 APR 96-AA
117789-0045-SA	SOLID	8020-S		01 APR 96-AFX	04 APR 96-AA
117789-0046-SA	SOLID	8010-S		01 APR 96-AFX	04 APR 96-AA
117789-0046-SA	SOLID	8020-S		01 APR 96-AFX	04 APR 96-AA
117789-0049-SA	SOLID	8010-S		01 APR 96-AFX	04 APR 96-AA
117789-0049-SA	SOLID	8020-S		01 APR 96-AFX	04 APR 96-AA
117789-0050-SA	SOLID	8010-S		04 APR 96-AFX	04 APR 96-AA
117789-0050-SA	SOLID	8020-S		04 APR 96-AFX	04 APR 96-AA

Quanterra Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Volatile Organics by GC
Project: 117789

Category: 8010-S Halogenated Volatile Organics
Matrix: SOLID Date Analyzed: 04 APR 96
QC Run: 04 APR 96-AFX
Concentration Units: ug/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
1,1-Dichloroethane	10.0	9.39	94	55-120
Chlorobenzene	10.0	9.39	94	61-124
Trichloroethene	10.0	9.76	98	56-140
Bromodichloromethane	10.0	9.43	94	40-143
Chloroform	10.0	9.36	94	60-125

Category: 8010-S Halogenated Volatile Organics
Matrix: SOLID Date Analyzed: 02 APR 96
QC Run: 01 APR 96-AFX
Concentration Units: ug/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
1,1-Dichloroethane	10.0	9.36	94	55-120
Chlorobenzene	10.0	9.38	94	61-124
Trichloroethene	10.0	9.71	97	56-140
Bromodichloromethane	10.0	9.28	93	40-143
Chloroform	10.0	9.27	93	60-125

Category: 8020-S Aromatic Volatile Organics
Matrix: SOLID Date Analyzed: 04 APR 96
QC Run: 04 APR 96-AFX
Concentration Units: ug/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Benzene	10.0	9.53	95	46-129
Toluene	10.0	9.75	98	53-130
Ethylbenzene	10.0	9.68	97	51-132
Xylenes (total)	30.0	29.1	97	42-129

Category: 8020-S Aromatic Volatile Organics
Matrix: SOLID Date Analyzed: 02 APR 96
QC Run: 01 APR 96-AFX
Concentration Units: ug/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Benzene	10.0	9.40	94	46-129
Toluene	10.0	9.54	95	53-130
Ethylbenzene	10.0	9.67	97	51-132
Xylenes (total)	30.0	29.1	97	42-129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Volatile Organics by GC
Project: 117789

Category: 8010-S Halogenated Volatile Organics
Matrix: SOLID
Sample: 117789-0050
MS Run: 04 APR 96-AA
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
1,1-Dichloroethane	ND	8.24	8.04	10.0	82	80	2.5	32-103	35
Chlorobenzene	ND	7.99	7.97	10.0	80	80	0.1	20-123	40
Trichloroethene	ND	8.24	8.09	10.0	82	81	1.9	34-126	38
Bromodichloromethane	ND	8.18	7.98	10.0	82	80	2.4	18-121	45
Chloroform	ND	8.19	8.02	10.0	82	80	2.1	38-113	37

Category: 8020-S Aromatic Volatile Organics
Matrix: SOLID
Sample: 117789-0050
MS Run: 04 APR 96-AA
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
Benzene	ND	8.39	8.22	10.0	84	82	2.1	41-128	20
Toluene	ND	8.42	8.38	10.0	84	84	0.4	39-137	20
Ethylbenzene	ND	8.22	8.42	10.0	82	84	2.4	46-127	20
Xylenes (total)	ND	24.4	25.1	30.0	82	84	2.7	38-124	30

D = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

SINGLE CONTROL SAMPLE REPORT
Volatile Organics by GC
Project: 117789

Category: 8010-S Halogenated Volatile Organics
Matrix: SOLID
QC Run: 04 APR 96-AFX Date Analyzed: 04 APR 96
Concentration Units: ug/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) SCS	Accuracy(%) Limits
Bromofluorobenzene	20.0	16.5	83	19-134

Category: 8010-S Halogenated Volatile Organics
Matrix: SOLID
QC Run: 01 APR 96-AFX Date Analyzed: 02 APR 96
Concentration Units: ug/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) SCS	Accuracy(%) Limits
Bromofluorobenzene	20.0	17.2	86	19-134

Category: 8020-S Aromatic Volatile Organics
Matrix: SOLID
QC Run: 04 APR 96-AFX Date Analyzed: 04 APR 96
Concentration Units: ug/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) SCS	Accuracy(%) Limits
Bromofluorobenzene	20.0	18.4	92	30-137

Category: 8020-S Aromatic Volatile Organics
Matrix: SOLID
QC Run: 01 APR 96-AFX Date Analyzed: 02 APR 96
Concentration Units: ug/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) SCS	Accuracy(%) Limits
Bromofluorobenzene	20.0	18.6	93	30-137

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra
Environmental Services

METHOD BLANK REPORT
Volatile Organics by GC
Project: 117789

Test: 8010-S
Matrix: SOLID
QC Run: 01 APR 96-AFX

Method 8010 - Halogenated Volatile Organics

Date Analyzed: 02 APR 96

Analyte	Result	Units	Reporting Limit
Chloromethane	ND	ug/kg	5.0
Bromomethane	ND	ug/kg	5.0
Vinyl chloride	ND	ug/kg	5.0
Chloroethane	ND	ug/kg	5.0
Methylene chloride	ND	ug/kg	5.0
Trichlorofluoromethane	ND	ug/kg	5.0
1,1-Dichloroethene	ND	ug/kg	5.0
1,1-Dichloroethane	ND	ug/kg	5.0
trans-1,2-Dichloroethene	ND	ug/kg	5.0
Chloroform	ND	ug/kg	5.0
1,2-Dichloroethane	ND	ug/kg	5.0
1,1,1-Trichloroethane	ND	ug/kg	5.0
Carbon tetrachloride	ND	ug/kg	5.0
Bromodichloromethane	ND	ug/kg	5.0
1,2-Dichloropropane	ND	ug/kg	5.0
cis-1,3-Dichloropropene	ND	ug/kg	5.0
Trichloroethene	ND	ug/kg	5.0
Dibromochloromethane	ND	ug/kg	5.0
1,1,2-Trichloroethane	ND	ug/kg	5.0
trans-1,3-Dichloropropene	ND	ug/kg	5.0
2-Chloroethyl vinyl ether	ND	ug/kg	5.0
Bromoform	ND	ug/kg	5.0
Tetrachloroethene	ND	ug/kg	5.0
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0
Chlorobenzene	ND	ug/kg	5.0
1,3-Dichlorobenzene	ND	ug/kg	5.0
1,2-Dichlorobenzene	ND	ug/kg	5.0
1,4-Dichlorobenzene	ND	ug/kg	5.0

ND = Not Detected

Quanterra Environmental Services

METHOD BLANK REPORT
Volatile Organics by GC (cont.)
Project: 117789

Test: 8010-S Method 8010 - Halogenated Volatile Organics
Matrix: SOLID

QC Run: 04 APR 96-AFX Date Analyzed: 04 APR 96

Analyte	Result	Units	Reporting Limit
Chloromethane	ND	ug/kg	5.0
Bromomethane	ND	ug/kg	5.0
Vinyl chloride	ND	ug/kg	5.0
Chloroethane	ND	ug/kg	5.0
Methylene chloride	ND	ug/kg	5.0
Trichlorofluoromethane	ND	ug/kg	5.0
1,1-Dichloroethene	ND	ug/kg	5.0
1,1-Dichloroethane	ND	ug/kg	5.0
trans-1,2-Dichloroethene	ND	ug/kg	5.0
Chloroform	ND	ug/kg	5.0
1,2-Dichloroethane	ND	ug/kg	5.0
1,1,1-Trichloroethane	ND	ug/kg	5.0
Carbon tetrachloride	ND	ug/kg	5.0
Bromodichloromethane	ND	ug/kg	5.0
1,2-Dichloropropane	ND	ug/kg	5.0
cis-1,3-Dichloropropene	ND	ug/kg	5.0
Trichloroethene	ND	ug/kg	5.0
Dibromochloromethane	ND	ug/kg	5.0
1,1,2-Trichloroethane	ND	ug/kg	5.0
trans-1,3-Dichloropropene	ND	ug/kg	5.0
2-Chloroethyl vinyl ether	ND	ug/kg	5.0
Bromoform	ND	ug/kg	5.0
Tetrachloroethene	ND	ug/kg	5.0
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0
Chlorobenzene	ND	ug/kg	5.0
1,3-Dichlorobenzene	ND	ug/kg	5.0
1,2-Dichlorobenzene	ND	ug/kg	5.0
1,4-Dichlorobenzene	ND	ug/kg	5.0

ND = Not Detected

Quanterra
Environmental Services

METHOD BLANK REPORT
Volatile Organics by GC (cont.)
Project: 117789

Test: 8020-S Method 8020 - Aromatic Volatile Organics
Matrix: SOLID
QC Run: 01 APR 96-AFX Date Analyzed: 02 APR 96

Analyte	Result	Units	Reporting Limit
Benzene	ND	ug/kg	5.0
Toluene	ND	ug/kg	5.0
Chlorobenzene	ND	ug/kg	5.0
Ethylbenzene	ND	ug/kg	5.0
Xylenes (total)	ND	ug/kg	5.0
1,3-Dichlorobenzene	ND	ug/kg	5.0
1,4-Dichlorobenzene	ND	ug/kg	5.0
1,2-Dichlorobenzene	ND	ug/kg	5.0

QC Run: 04 APR 96-AFX Date Analyzed: 04 APR 96

Analyte	Result	Units	Reporting Limit
Benzene	ND	ug/kg	5.0
Toluene	ND	ug/kg	5.0
Chlorobenzene	ND	ug/kg	5.0
Ethylbenzene	ND	ug/kg	5.0
Xylenes (total)	ND	ug/kg	5.0
1,3-Dichlorobenzene	ND	ug/kg	5.0
1,4-Dichlorobenzene	ND	ug/kg	5.0
1,2-Dichlorobenzene	ND	ug/kg	5.0

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)
117789-0001-SA	SOLID	PCB-S		28 MAR 96-GX	28 MAR 96-GA
117789-0003-SA	SOLID	PCB-S		28 MAR 96-GX	28 MAR 96-GA
117789-0011-SA	SOLID	PCB-S		28 MAR 96-GX	28 MAR 96-GA
117789-0013-SA	SOLID	PCB-S		28 MAR 96-GX	28 MAR 96-GA
117789-0021-SA	SOLID	PCB-S		28 MAR 96-GX	28 MAR 96-GA
117789-0023-SA	SOLID	PCB-S		28 MAR 96-GX	28 MAR 96-GA
117789-0031-SA	SOLID	PCB-S		28 MAR 96-GX	28 MAR 96-GA
117789-0033-SA	SOLID	PCB-S		28 MAR 96-GX	28 MAR 96-GA
117789-0041-SA	SOLID	PCB-S		28 MAR 96-GX	28 MAR 96-GA
117789-0042-SA	SOLID	PCB-S		28 MAR 96-GX	28 MAR 96-GA
117789-0045-SA	SOLID	PCB-S		28 MAR 96-GX	28 MAR 96-GA
117789-0046-SA	SOLID	PCB-S		28 MAR 96-GX	28 MAR 96-GA
117789-0049-SA	SOLID	PCB-S		28 MAR 96-GX	28 MAR 96-GA
117789-0050-SA	SOLID	PCB-S		28 MAR 96-GX	28 MAR 96-GA

Quanterra
Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Semivolatile Organics by GC
Project: 117789

Category: PCB-S PCBs
Matrix: SOLID
Date Analyzed: 02 APR 96
QC Run: 28 MAR 96-GX
Concentration Units: ug/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Aroclor 1254	167	175	105	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: 117789

Category: PCB-S PCBs
Matrix: SOLID
Sample: 117789-0001
MS Run: 28 MAR 96-GA
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	157	162	167	94	97	3.1	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: 117789

Category: PCB-S PCBs
Matrix: SOLID
QC Run: 28 MAR 96-GX
Date Analyzed: 02 APR 96
Concentration Units: ug/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) SCS	Accuracy(%) Limits
2,4,5,6-Tetrachloro-m-xylene	6.67	6.40	96	60-150
Decachlorobiphenyl	6.67	6.73	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: 117789

Test: 8080-PCB-S Method 8080 - PCBs
Matrix: SOLID
QC Run: 28 MAR 96-GX Date Analyzed: 02 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 C8

Quanterra
Environmental Services

Quanterra Incorporated
1721 South Grand Avenue
Santa Ana, California 92705

714 258-8610 Telephone
714 258-0921 Fax

April 19, 1996

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

LAB NO.: 117812-0001/0044
DATE SAMPLED: 26-MAR-1996
DATE SAMPLE REC'D: 26-MAR-1996
PROJECT: DAC C-6 PHASE II/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. Also provided in this report are the LIMS Report Key and the terms and abbreviations commonly used in our reports.

Preliminary metals data were provided on April 5, 1996 at 10:33 A.M. to Rick Pastore. Preliminary PCB data were provided on April 8, 1996 at 4:55 P.M. 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.

TABLE OF CONTENTS

LIMS # 117812

Cover Letter 1

LIMS Report Key 2

Table of Contents 3

Narrative 4

Chain-of-Custody Records and Sample Description Information

Analytical Results Summary (LIMS Report)

A. LIMS Datasheets
B. QC Summaries

Quanterra Environmental Services

CASE NARRATIVE

LIMS # 117812

I. CONDITION UPON RECEIPT

Cooler was received intact. The temperature of the coolers were 3.1°C and 2.6°C.

Sample containers were received intact. Proper preservation of applicable samples (excluding VOA samples) was verified upon receipt and documented on a log-in form. Sample container label did agree with the COC as to sample ID, collection date/time, requested tests and/or preservatives. Four samples labeled 3M-3-10, 3M-3-15, 3M-3-20, and 3M-3-25 were received but not listed on the COC. Per instructions from Rick Pastore, the first two were processed via SW8080 and CAM metals, while the remaining two were placed on hold.

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.

SAMPLE RESULTS
Please note, sample 3M-2-10 was reported with elevated reporting limits due to a required 2X dilution and acid clean-up.

III. METALS (BY METHOD: SW6010; SW7000 Series)

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.

CASE NARRATIVE

LIMS # 117812

MS/MSD/LCS/DCS AND RPDs
Except for the antimony MS/MSD and nickel MS, 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 and nickel. 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.

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.

Chain of Custody Record

Quanterra Environmental Services

QUA-4124-1

Client: Kennedy/Jenks Consult.	Project Manager: Rus 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: 117812	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.:			

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
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 Acknowledgement report ASAP by FAX

1. Relinquished By: Ken Knight 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: Javier Armendariz	Date: 3-26-96	Time: 4:35	2. Received By: [signature]	Date: 3/26/96	Time: 1635
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-C6-0077863

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: 55405
Address: 2151 Michelson, #180	Telephone Number (Area Code)/Fax Number: 714/261-1577	Lab Number: 117812	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.:			

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

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	6010	8080	Special Instructions/ Conditions of Receipt
3F-1-15.0'	3-26-96	850			X	X								HOLD (all)
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: Xavier Armendariz	Date: 3-26-96	Time: 4:35	2. Received By: [signature]	Date: 3/26/96	Time: 1635
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-C6-0077864

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: 49641
Address	Telephone Number (Area Code)/Fax Number: (714) 261 1577 261 2134	Lab Number: 117812	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	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		Y						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: Javier Armendariz	3-26-96	4:30	2. Received By: [signature]	3/26/96	1630
3. Relinquished By			3. Received By		

Comments

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

BOE-C6-0077865

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 ~~CCL~~ 6010		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													
~~3J-1-15~~													X													
~~3J-1-20~~																							X			
~~3J-1-25~~																							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)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
[signature]	3/26/96 1530	Javier Armendariz	3-26-96
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
Javier Armendariz	3-26-96	[signature]	4:30

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-C6-0077866

Quanterra
Environmental Services

SAMPLE DESCRIPTION INFORMATION
for
Kennedy/Jenks Consultants

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
117812-0001-SA	3F-1-5.0	SOIL	26 MAR 96	08:30	26 MAR 96
117812-0002-SA	3F-1-10.0	SOIL	26 MAR 96	08:40	26 MAR 96
117812-0003-SA	3F-2-6.0	SOIL	26 MAR 96	09:40	26 MAR 96
117812-0004-SA	3F-2-10.0	SOIL	26 MAR 96	09:50	26 MAR 96
117812-0005-SA	3F-3-5.0	SOIL	26 MAR 96	11:10	26 MAR 96
117812-0006-SA	3F-3-10.0	SOIL	26 MAR 96	11:20	26 MAR 96
117812-0007-SA	3D-2-5.0	SOIL	26 MAR 96	13:40	26 MAR 96
117812-0008-SA	3D-2-10.0	SOIL	26 MAR 96	13:55	26 MAR 96
117812-0009-SA	3F-1-15.0'	SOIL	26 MAR 96	08:50	26 MAR 96
117812-0010-SA	3F-1-20.0'	SOIL	26 MAR 96	09:00	26 MAR 96
117812-0011-SA	3F-1-25.0'	SOIL	26 MAR 96	09:20	26 MAR 96
117812-0012-SA	3F-2-15.0'	SOIL	26 MAR 96	10:00	26 MAR 96
117812-0013-SA	3F-2-20.0'	SOIL	26 MAR 96	10:15	26 MAR 96
117812-0014-SA	3F-2-25.0'	SOIL	26 MAR 96	10:30	26 MAR 96
117812-0015-SA	3F-3-15.0'	SOIL	26 MAR 96	11:30	26 MAR 96
117812-0016-SA	3F-3-20.0'	SOIL	26 MAR 96	11:40	26 MAR 96
117812-0017-SA	3F-3-25.0'	SOIL	26 MAR 96	11:55	26 MAR 96
117812-0018-SA	3D-2-15.0'	SOIL	26 MAR 96	14:05	26 MAR 96
117812-0019-SA	3D-2-20.0'	SOIL	26 MAR 96	14:15	26 MAR 96
117812-0020-SA	3D-2-25.0'	SOIL	26 MAR 96	14:25	26 MAR 96
117812-0021-SA	30-2-10	SOIL	26 MAR 96	08:45	26 MAR 96
117812-0022-SA	30-2-15	SOIL	26 MAR 96	08:55	26 MAR 96
117812-0023-SA	30-2-20	SOIL	26 MAR 96	09:05	26 MAR 96
117812-0024-SA	30-2-25	SOIL	26 MAR 96	09:10	26 MAR 96
117812-0025-SA	30-1-10	SOIL	26 MAR 96	09:40	26 MAR 96
117812-0026-SA	30-1-15	SOIL	26 MAR 96	09:50	26 MAR 96
117812-0027-SA	30-1-20	SOIL	26 MAR 96	09:57	26 MAR 96
117812-0028-SA	30-1-25	SOIL	26 MAR 96	10:01	26 MAR 96
117812-0029-SA	3M-2-10	SOIL	26 MAR 96	10:45	26 MAR 96
117812-0030-SA	3M-2-15	SOIL	26 MAR 96	11:00	26 MAR 96
117812-0031-SA	3M-2-20	SOIL	26 MAR 96	11:05	26 MAR 96
117812-0032-SA	3M-2-25	SOIL	26 MAR 96	11:10	26 MAR 96
117812-0033-SA	3M-1-10	SOIL	26 MAR 96	13:25	26 MAR 96
117812-0034-SA	3M-1-15	SOIL	26 MAR 96	13:35	26 MAR 96
117812-0035-SA	3M-1-20	SOIL	26 MAR 96	13:40	26 MAR 96
117812-0036-SA	3M-1-25	SOIL	26 MAR 96	13:45	26 MAR 96
117812-0037-SA	3K-2-10	SOIL	26 MAR 96	14:35	26 MAR 96
117812-0038-SA	3K-2-15	SOIL	26 MAR 96	14:45	26 MAR 96
117812-0039-SA	3K-2-20	SOIL	26 MAR 96	14:50	26 MAR 96
117812-0040-SA	3K-2-25	SOIL	26 MAR 96	14:55	26 MAR 96
117812-0041-SA	3M-3-10	SOIL	26 MAR 96	11:50	26 MAR 96
117812-0042-SA	3M-3-15	SOIL	26 MAR 96	12:00	26 MAR 96

Quanterra
Environmental Services

SAMPLE DESCRIPTION INFORMATION cont'd

for

Kennedy/Jenks Consultants

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
117812-0043-SA	3M-3-20	SOIL	26 MAR 96	12:05	26 MAR 96
117812-0044-SA	3M-3-25	SOIL	26 MAR 96	12:10	26 MAR 96

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3F-1-5.0
LAB ID: 117812-0001-SA
Matrix: SOIL Sampled: 26 MAR 96 Received: 26 MAR 96
Authorized: 27 MAR 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	29 MAR 96	02 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Barium	175		1.0	20.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Beryllium	0.81		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium	36.5		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cobalt	21.5		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Copper	33.1		1.0	2.5	mg/kg	SW6010	29 MAR 96	02 APR 96
Lead	7.9		1.0	0.30	mg/kg	SW6010	29 MAR 96	02 APR 96
Mercury	0.044		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Nickel	26.4		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	02 APR 96
Vanadium	67.1		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Zinc	83.9		1.0	2.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	27 MAR 96	28 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3F-1-10.0
LAB ID: 117812-0002-SA
Matrix: SOIL
Authorized: 27 MAR 96

Sampled: 26 MAR 96
Prepared: See Below

Received: 26 MAR 96
Analyzed: See Below

Parameter	Result	Qual	DIL	RL	Units	Method	Prep Date	Analyzed Date
Antimony	ND		1.0	1.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Barium	178		1.0	20.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Beryllium	0.69		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium	28.4		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cobalt	16.5		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Copper	29.3		1.0	2.5	mg/kg	SW6010	29 MAR 96	02 APR 96
Lead	6.4		1.0	0.30	mg/kg	SW6010	29 MAR 96	02 APR 96
Mercury	0.051		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Nickel	21.8		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	02 APR 96
Vanadium	60.2		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Zinc	79.7		1.0	2.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	27 MAR 96	28 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3F-2-6.0
LAB ID: 117812-0003-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 26 MAR 96
Authorized: 27 MAR 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	29 MAR 96	02 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Barium	150		1.0	20.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Beryllium	0.73		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium	29.6		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cobalt	16.9		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Copper	29.6		1.0	2.5	mg/kg	SW6010	29 MAR 96	02 APR 96
Lead	7.0		1.0	0.30	mg/kg	SW6010	29 MAR 96	02 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Nickel	22.8		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	02 APR 96
Vanadium	60.9		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Zinc	78.2		1.0	2.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	27 MAR 96	28 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3F-2-10.0
LAB ID: 117812-0004-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 26 MAR 96
Authorized: 27 MAR 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	29 MAR 96	03 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	03 APR 96
Barium	124		1.0	20.0	mg/kg	SW6010	29 MAR 96	03 APR 96
Beryllium	0.51		1.0	0.50	mg/kg	SW6010	29 MAR 96	03 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	29 MAR 96	03 APR 96
Chromium	24.5		1.0	0.50	mg/kg	SW6010	29 MAR 96	03 APR 96
Cobalt	11.5		1.0	5.0	mg/kg	SW6010	29 MAR 96	03 APR 96
Copper	21.7		1.0	2.5	mg/kg	SW6010	29 MAR 96	03 APR 96
Lead	3.9		1.0	0.30	mg/kg	SW6010	29 MAR 96	03 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	03 APR 96
Nickel	16.0		1.0	4.0	mg/kg	SW6010	29 MAR 96	03 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	03 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	03 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	03 APR 96
Vanadium	48.5		1.0	5.0	mg/kg	SW6010	29 MAR 96	03 APR 96
Zinc	63.2		1.0	2.0	mg/kg	SW6010	29 MAR 96	03 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	27 MAR 96	28 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3F-3-5.0
LAB ID: 117812-0005-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 26 MAR 96
Authorized: 27 MAR 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	29 MAR 96	03 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	03 APR 96
Barium	141		1.0	20.0	mg/kg	SW6010	29 MAR 96	03 APR 96
Beryllium	0.70		1.0	0.50	mg/kg	SW6010	29 MAR 96	03 APR 96
Cadmium	0.32		1.0	0.20	mg/kg	SW6010	29 MAR 96	03 APR 96
Chromium	32.4		1.0	0.50	mg/kg	SW6010	29 MAR 96	03 APR 96
Cobalt	17.6		1.0	5.0	mg/kg	SW6010	29 MAR 96	03 APR 96
Copper	33.7		1.0	2.5	mg/kg	SW6010	29 MAR 96	03 APR 96
Lead	6.7		1.0	0.30	mg/kg	SW6010	29 MAR 96	03 APR 96
Mercury	0.042		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	03 APR 96
Nickel	23.9		1.0	4.0	mg/kg	SW6010	29 MAR 96	03 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	03 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	03 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	03 APR 96
Vanadium	61.7		1.0	5.0	mg/kg	SW6010	29 MAR 96	03 APR 96
Zinc	77.6		1.0	2.0	mg/kg	SW6010	29 MAR 96	03 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	27 MAR 96	28 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3F-3-10.0
LAB ID: 117812-0006-SA
Matrix: SOIL Sampled: 26 MAR 96 Received: 26 MAR 96
Authorized: 27 MAR 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	29 MAR 96	02 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Barium	141		1.0	20.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Beryllium	0.58		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium	24.0		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cobalt	15.1		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Copper	22.7		1.0	2.5	mg/kg	SW6010	29 MAR 96	02 APR 96
Lead	5.1		1.0	0.30	mg/kg	SW6010	29 MAR 96	02 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Nickel	18.7		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	02 APR 96
Vanadium	52.0		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Zinc	66.9		1.0	2.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	27 MAR 96	28 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3D-2-5.0
LAB ID: 117812-0007-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 26 MAR 96
Authorized: 27 MAR 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	29 MAR 96	02 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Barium	151		1.0	20.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Beryllium	0.79		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium	31.9		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cobalt	18.1		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Copper	32.5		1.0	2.5	mg/kg	SW6010	29 MAR 96	02 APR 96
Lead	7.7		1.0	0.30	mg/kg	SW6010	29 MAR 96	02 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Nickel	26.1		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	02 APR 96
Vanadium	61.9		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Zinc	77.4		1.0	2.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	27 MAR 96	28 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3D-2-10.0
LAB ID: 117812-0008-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 26 MAR 96
Authorized: 27 MAR 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	29 MAR 96	03 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	03 APR 96
Barium	129		1.0	20.0	mg/kg	SW6010	29 MAR 96	03 APR 96
Beryllium	0.52		1.0	0.50	mg/kg	SW6010	29 MAR 96	03 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	29 MAR 96	03 APR 96
Chromium	24.8		1.0	0.50	mg/kg	SW6010	29 MAR 96	03 APR 96
Cobalt	13.9		1.0	5.0	mg/kg	SW6010	29 MAR 96	03 APR 96
Copper	21.0		1.0	2.5	mg/kg	SW6010	29 MAR 96	03 APR 96
Lead	4.8		1.0	0.30	mg/kg	SW6010	29 MAR 96	03 APR 96
Mercury	0.040		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	03 APR 96
Nickel	17.1		1.0	4.0	mg/kg	SW6010	29 MAR 96	03 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	03 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	03 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	03 APR 96
Vanadium	53.6		1.0	5.0	mg/kg	SW6010	29 MAR 96	03 APR 96
Zinc	63.6		1.0	2.0	mg/kg	SW6010	29 MAR 96	03 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	27 MAR 96	28 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 30-2-10
LAB ID: 117812-0021-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 26 MAR 96
Authorized: 27 MAR 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	29 MAR 96	02 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Barium	135		1.0	20.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Beryllium	0.63		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium	28.7		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cobalt	14.6		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Copper	24.0		1.0	2.5	mg/kg	SW6010	29 MAR 96	02 APR 96
Lead	6.9		1.0	0.30	mg/kg	SW6010	29 MAR 96	02 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Nickel	18.4		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	02 APR 96
Vanadium	51.0		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Zinc	52.6		1.0	2.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	27 MAR 96	28 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 30-2-15
LAB ID: 117812-0022-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 26 MAR 96
Authorized: 27 MAR 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	29 MAR 96	02 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Barium	159		1.0	20.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Beryllium	0.71		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium	30.6		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cobalt	17.0		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Copper	37.8		1.0	2.5	mg/kg	SW6010	29 MAR 96	02 APR 96
Lead	7.5		1.0	0.30	mg/kg	SW6010	29 MAR 96	02 APR 96
Mercury	0.040		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Nickel	22.6		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	02 APR 96
Vanadium	61.2		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Zinc	73.1		1.0	2.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	27 MAR 96	28 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 30-1-10
LAB ID: 117812-0025-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 26 MAR 96
Authorized: 27 MAR 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	29 MAR 96	02 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Barium	147		1.0	20.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Beryllium	0.71		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium	29.8		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cobalt	16.5		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Copper	28.3		1.0	2.5	mg/kg	SW6010	29 MAR 96	02 APR 96
Lead	6.8		1.0	0.30	mg/kg	SW6010	29 MAR 96	02 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Nickel	20.3		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	02 APR 96
Vanadium	57.6		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Zinc	71.7		1.0	2.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	27 MAR 96	28 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 30-1-15
LAB ID: 117812-0026-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 26 MAR 96
Authorized: 27 MAR 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	29 MAR 96	02 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Barium	167		1.0	20.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Beryllium	0.67		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium	29.3		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cobalt	15.7		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Copper	26.8		1.0	2.5	mg/kg	SW6010	29 MAR 96	02 APR 96
Lead	6.9		1.0	0.30	mg/kg	SW6010	29 MAR 96	02 APR 96
Mercury	0.048		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Nickel	21.6		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	02 APR 96
Vanadium	56.2		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Zinc	66.8		1.0	2.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	27 MAR 96	28 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3M-2-10
LAB ID: 117812-0029-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 26 MAR 96
Authorized: 27 MAR 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	29 MAR 96	02 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Barium	144		1.0	20.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Beryllium	0.62		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium	27.4		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cobalt	17.6		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Copper	25.7		1.0	2.5	mg/kg	SW6010	29 MAR 96	02 APR 96
Lead	7.4		1.0	0.30	mg/kg	SW6010	29 MAR 96	02 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Nickel	20.7		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	02 APR 96
Vanadium	51.2		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Zinc	75.2		1.0	2.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	27 MAR 96	28 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3M-2-15
LAB ID: 117812-0030-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 26 MAR 96
Authorized: 27 MAR 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	29 MAR 96	02 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Barium	124		1.0	20.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Beryllium	0.78		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium	37.1		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cobalt	13.3		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Copper	28.0		1.0	2.5	mg/kg	SW6010	29 MAR 96	02 APR 96
Lead	6.4		1.0	0.30	mg/kg	SW6010	29 MAR 96	02 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Nickel	20.9		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	02 APR 96
Vanadium	53.4		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Zinc	83.0		1.0	2.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	27 MAR 96	28 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3M-1-10
LAB ID: 117812-0033-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 26 MAR 96
Authorized: 27 MAR 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	29 MAR 96	02 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Barium	258		1.0	20.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Beryllium	0.67		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cadmium	2.5		1.0	0.20	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium	29.2		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cobalt	21.1		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Copper	31.7		1.0	2.5	mg/kg	SW6010	29 MAR 96	02 APR 96
Lead	7.4		1.0	0.30	mg/kg	SW6010	29 MAR 96	02 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Nickel	49.6		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	02 APR 96
Vanadium	67.3		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Zinc	184		1.0	2.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	27 MAR 96	28 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3M-1-15
LAB ID: 117812-0034-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 26 MAR 96
Authorized: 27 MAR 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	29 MAR 96	02 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Barium	151		1.0	20.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Beryllium	0.68		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium	31.6		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cobalt	16.7		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Copper	34.1		1.0	2.5	mg/kg	SW6010	29 MAR 96	02 APR 96
Lead	6.3		1.0	0.30	mg/kg	SW6010	29 MAR 96	02 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Nickel	23.4		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	02 APR 96
Vanadium	62.4		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Zinc	76.2		1.0	2.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	27 MAR 96	28 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3K-2-10
LAB ID: 117812-0037-SA
Matrix: SOIL Sampled: 26 MAR 96 Received: 26 MAR 96
Authorized: 27 MAR 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	29 MAR 96	02 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Barium	252		1.0	20.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Beryllium	0.92		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium	39.1		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cobalt	18.7		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Copper	35.4		1.0	2.5	mg/kg	SW6010	29 MAR 96	02 APR 96
Lead	8.3		1.0	0.30	mg/kg	SW6010	29 MAR 96	02 APR 96
Mercury	0.045		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Nickel	28.0		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	02 APR 96
Vanadium	74.8		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Zinc	81.1		1.0	2.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	27 MAR 96	28 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3K-2-15
LAB ID: 117812-0038-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 26 MAR 96
Authorized: 27 MAR 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	29 MAR 96	02 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Barium	155		1.0	20.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Beryllium	0.78		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cadmium	ND		1.0	0.20	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium	31.3		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cobalt	16.8		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Copper	27.3		1.0	2.5	mg/kg	SW6010	29 MAR 96	02 APR 96
Lead	7.2		1.0	0.30	mg/kg	SW6010	29 MAR 96	02 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Nickel	23.1		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	02 APR 96
Vanadium	58.6		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Zinc	72.9		1.0	2.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	27 MAR 96	28 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3M-3-10
LAB ID: 117812-0041-SA
Matrix: SOIL Sampled: 26 MAR 96 Received: 26 MAR 96
Authorized: 27 MAR 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	29 MAR 96	02 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Barium	225		1.0	20.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Beryllium	0.79		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cadmium	0.52		1.0	0.20	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium	34.3		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cobalt	21.4		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Copper	32.4		1.0	2.5	mg/kg	SW6010	29 MAR 96	02 APR 96
Lead	6.5		1.0	0.30	mg/kg	SW6010	29 MAR 96	02 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Nickel	26.1		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	02 APR 96
Vanadium	66.4		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Zinc	149		1.0	2.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	28 MAR 96	28 MAR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 3M-3-15
LAB ID: 117812-0042-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 26 MAR 96
Authorized: 27 MAR 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	29 MAR 96	02 APR 96
Arsenic	ND		1.0	10.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Barium	147		1.0	20.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Beryllium	0.76		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cadmium	0.26		1.0	0.20	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium	28.1		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Cobalt	17.5		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Copper	30.0		1.0	2.5	mg/kg	SW6010	29 MAR 96	02 APR 96
Lead	6.8		1.0	0.30	mg/kg	SW6010	29 MAR 96	02 APR 96
Mercury	ND		1.0	0.040	mg/kg	SW7471	02 APR 96	04 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Nickel	22.5		1.0	4.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Selenium	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Silver	ND		1.0	0.50	mg/kg	SW6010	29 MAR 96	02 APR 96
Thallium	ND		1.0	200	mg/kg	SW6010	29 MAR 96	02 APR 96
Vanadium	60.7		1.0	5.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Zinc	73.4		1.0	2.0	mg/kg	SW6010	29 MAR 96	02 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	28 MAR 96	28 MAR 96

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3F-1-5.0
LAB ID: 117812-0001-SA
Matrix: SOIL Sampled: 26 MAR 96 Received: 26 MAR 96
Authorized: 27 MAR 96 Prepared: 29 MAR 96 Analyzed: 01 APR 96
Instrument: PCB/PEST 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	94	%	60 - 150
Decachlorobiphenyl	100	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3F-1-10.0
LAB ID: 117812-0002-SA
Matrix: SOIL Sampled: 26 MAR 96 Received: 26 MAR 96
Authorized: 27 MAR 96 Prepared: 29 MAR 96 Analyzed: 03 APR 96
Instrument: PCB/PEST 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	73	%	60 - 150
Decachlorobiphenyl	82	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3F-2-6.0
LAB ID: 117812-0003-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 26 MAR 96
Authorized: 27 MAR 96 — Prepared: 29 MAR 96 — Analyzed: 03 APR 96
Instrument: PCB/PEST — 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	95	%	60 - 150
Decachlorobiphenyl	99	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3F-2-10.0
LAB ID: 117812-0004-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 26 MAR 96
Authorized: 27 MAR 96 — Prepared: 29 MAR 96 — Analyzed: 03 APR 96
Instrument: PCB/PEST — 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	95	%	60 - 150
Decachlorobiphenyl	97	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3F-3-5.0
LAB ID: 117812-0005-SA
Matrix: SOIL Sampled: 26 MAR 96 Received: 26 MAR 96
Authorized: 27 MAR 96 Prepared: 29 MAR 96 Analyzed: 03 APR 96
Instrument: PCB/PEST 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	95	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3F-3-10.0
LAB ID: 117812-0006-SA
Matrix: SOIL Sampled: 26 MAR 96 Received: 26 MAR 96
Authorized: 27 MAR 96 Prepared: 29 MAR 96 Analyzed: 03 APR 96
Instrument: PCB/PEST 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	85	%	60 - 150
Decachlorobiphenyl	93	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3D-2-5.0
LAB ID: 117812-0007-SA
Matrix: SOIL Sampled: 26 MAR 96 Received: 26 MAR 96
Authorized: 27 MAR 96 Prepared: 29 MAR 96 Analyzed: 03 APR 96
Instrument: PCB/PEST 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	98	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3D-2-10.0
LAB ID: 117812-0008-SA
Matrix: SOIL Sampled: 26 MAR 96 Received: 26 MAR 96
Authorized: 27 MAR 96 Prepared: 29 MAR 96 Analyzed: 03 APR 96
Instrument: PCB/PEST 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	91	%	60 - 150
Decachlorobiphenyl	103	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 30-2-10
LAB ID: 117812-0021-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 26 MAR 96
Authorized: 27 MAR 96 — Prepared: 29 MAR 96 — Analyzed: 05 APR 96
Instrument: PCB/PEST — 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	36		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	70	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 30-2-15
LAB ID: 117812-0022-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 26 MAR 96
Authorized: 27 MAR 96 — Prepared: 29 MAR 96 — Analyzed: 03 APR 96
Instrument: PCB/PEST — 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	83	%	60 - 150
Decachlorobiphenyl	88	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 30-1-10
LAB ID: 117812-0025-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 26 MAR 96
Authorized: 27 MAR 96 — Prepared: 29 MAR 96 — Analyzed: 03 APR 96
Instrument: PCB/PEST — 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	96	%	60 - 150
Decachlorobiphenyl	103	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 30-1-15
LAB ID: 117812-0026-SA
Matrix: SOIL Sampled: 26 MAR 96 Received: 26 MAR 96
Authorized: 27 MAR 96 Prepared: 29 MAR 96 Analyzed: 03 APR 96
Instrument: PCB/PEST 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	100	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3M-2-10
LAB ID: 117812-0029-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 26 MAR 96
Authorized: 27 MAR 96 — Prepared: 29 MAR 96 — Analyzed: 03 APR 96
Instrument: PCB/PEST — Dilution: 2.0

Parameter	Result	Qualifier	RL	Units
Aroclor 1016	ND	G	67	ug/kg
Aroclor 1221	ND	G	67	ug/kg
Aroclor 1232	ND	G	67	ug/kg
Aroclor 1242	ND	G	67	ug/kg
Aroclor 1248	ND	G	67	ug/kg
Aroclor 1254	ND	G	67	ug/kg
Aroclor 1260	ND	G	67	ug/kg

Surrogate	Recovery		Acceptable Range
2,4,5,6-Tetrachloro-m-xylene	94	%	60 - 150
Decachlorobiphenyl	103	%	60 - 150

G = Reporting Limit elevated due to sample matrix interference.
ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3M-2-15
LAB ID: 117812-0030-SA
Matrix: SOIL Sampled: 26 MAR 96 Received: 26 MAR 96
Authorized: 27 MAR 96 Prepared: 29 MAR 96 Analyzed: 03 APR 96
Instrument: PCB/PEST 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	101	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3M-1-10
LAB ID: 117812-0033-SA
Matrix: SOIL Sampled: 26 MAR 96 Received: 26 MAR 96
Authorized: 27 MAR 96 Prepared: 29 MAR 96 Analyzed: 03 APR 96
Instrument: PCB/PEST 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	96	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3M-1-15
LAB ID: 117812-0034-SA
Matrix: SOIL Sampled: 26 MAR 96 Received: 26 MAR 96
Authorized: 27 MAR 96 Prepared: 29 MAR 96 Analyzed: 03 APR 96
Instrument: PCB/PEST 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	99	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3K-2-10
LAB ID: 117812-0037-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 26 MAR 96
Authorized: 27 MAR 96 — Prepared: 29 MAR 96 — Analyzed: 03 APR 96
Instrument: PCB/PEST — 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	91	%	60 - 150
Decachlorobiphenyl	103	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3K-2-15
LAB ID: 117812-0038-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 26 MAR 96
Authorized: 27 MAR 96 — Prepared: 29 MAR 96 — Analyzed: 03 APR 96
Instrument: PCB/PEST — 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	96	%	60 - 150
Decachlorobiphenyl	105	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3M-3-10
LAB ID: 117812-0041-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 26 MAR 96
Authorized: 27 MAR 96 — Prepared: 29 MAR 96 — Analyzed: 03 APR 96
Instrument: PCB/PEST — 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	100	%	60 - 150

ND = Not Detected

Quanterra Environmental Services

Polychlorinated Biphenyls
Method 8080

Client Name: Kennedy/Jenks Consultants
Client ID: 3M-3-15
LAB ID: 117812-0042-SA
Matrix: SOIL — Sampled: 26 MAR 96 — Received: 26 MAR 96
Authorized: 27 MAR 96 — Prepared: 29 MAR 96 — Analyzed: 03 APR 96
Instrument: PCB/PEST — 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	94	%	60 - 150
Decachlorobiphenyl	103	%	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)
117812-0001-SA	SOLID	ICP-S		29 MAR 96-BX	29 MAR 96-BA
117812-0001-SA	SOLID	HG-CVAA-S		02 APR 96-DX	02 APR 96-DA
117812-0002-SA	SOLID	ICP-S		29 MAR 96-BX	29 MAR 96-BA
117812-0002-SA	SOLID	HG-CVAA-S		02 APR 96-DX	02 APR 96-DA
117812-0003-SA	SOLID	ICP-S		29 MAR 96-BX	29 MAR 96-BA
117812-0003-SA	SOLID	HG-CVAA-S		02 APR 96-DX	02 APR 96-DA
117812-0004-SA	SOLID	ICP-S		29 MAR 96-BX	29 MAR 96-BA
117812-0004-SA	SOLID	HG-CVAA-S		02 APR 96-DX	02 APR 96-DA
117812-0005-SA	SOLID	ICP-S		29 MAR 96-BX	29 MAR 96-BA
117812-0005-SA	SOLID	HG-CVAA-S		02 APR 96-DX	02 APR 96-DA
117812-0006-SA	SOLID	ICP-S		29 MAR 96-BX	29 MAR 96-BA
117812-0006-SA	SOLID	HG-CVAA-S		02 APR 96-DX	02 APR 96-DA
117812-0007-SA	SOLID	ICP-S		29 MAR 96-BX	29 MAR 96-BA
117812-0007-SA	SOLID	HG-CVAA-S		02 APR 96-DX	02 APR 96-DA
117812-0008-SA	SOLID	ICP-S		29 MAR 96-BX	29 MAR 96-BA
117812-0008-SA	SOLID	HG-CVAA-S		02 APR 96-DX	02 APR 96-DA
117812-0021-SA	SOLID	ICP-S		29 MAR 96-BX	29 MAR 96-BA
117812-0021-SA	SOLID	HG-CVAA-S		02 APR 96-DX	02 APR 96-DA
117812-0022-SA	SOLID	ICP-S		29 MAR 96-BX	29 MAR 96-BA
117812-0022-SA	SOLID	HG-CVAA-S		02 APR 96-DX	02 APR 96-DA
117812-0025-SA	SOLID	ICP-S		29 MAR 96-BX	29 MAR 96-BA
117812-0025-SA	SOLID	HG-CVAA-S		02 APR 96-DX	02 APR 96-DA
117812-0026-SA	SOLID	ICP-S		29 MAR 96-BX	29 MAR 96-BA
117812-0026-SA	SOLID	HG-CVAA-S		02 APR 96-DX	02 APR 96-DA
117812-0029-SA	SOLID	ICP-S		29 MAR 96-BX	29 MAR 96-BA
117812-0029-SA	SOLID	HG-CVAA-S		02 APR 96-DX	02 APR 96-DA
117812-0030-SA	SOLID	ICP-S		29 MAR 96-BX	29 MAR 96-BA
117812-0030-SA	SOLID	HG-CVAA-S		02 APR 96-DX	02 APR 96-DA
117812-0033-SA	SOLID	ICP-S		29 MAR 96-BX	29 MAR 96-BA
117812-0033-SA	SOLID	HG-CVAA-S		02 APR 96-DX	02 APR 96-DA
117812-0034-SA	SOLID	ICP-S		29 MAR 96-BX	29 MAR 96-BA
117812-0034-SA	SOLID	HG-CVAA-S		02 APR 96-DX	02 APR 96-DA
117812-0037-SA	SOLID	ICP-S		29 MAR 96-BX	29 MAR 96-BA
117812-0037-SA	SOLID	HG-CVAA-S		02 APR 96-DX	02 APR 96-DA
117812-0038-SA	SOLID	ICP-S		29 MAR 96-BX	29 MAR 96-BA
117812-0038-SA	SOLID	HG-CVAA-S		02 APR 96-DX	02 APR 96-DA
117812-0041-SA	SOLID	ICP-S		29 MAR 96-BX	29 MAR 96-BA
117812-0041-SA	SOLID	HG-CVAA-S		02 APR 96-DX	02 APR 96-DA
117812-0042-SA	SOLID	ICP-S		29 MAR 96-BX	29 MAR 96-BA
117812-0042-SA	SOLID	HG-CVAA-S		02 APR 96-DX	02 APR 96-DA

Quanterra
Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Metals Analysis and Preparation
Project: 117812

Category: ICP-S ICP Metals
Matrix: SOLID
Date Analyzed: 02 APR 96
QC Run: 29 MAR 96-BX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Antimony	50.0	50.2	100	70-110
Arsenic	200	198	99	75-110
Barium	200	214	107	85-115
Beryllium	5.00	5.27	105	80-115
Cadmium	5.00	5.40	108	80-115
Chromium	20.0	22.2	111	85-120
Cobalt	50.0	54.2	108	85-120
Copper	25.0	26.1	104	85-115
Lead	50.0	53.5	107	80-110
Molybdenum	100	108	108	80-115
Nickel	50.0	54.5	109	85-115
Selenium	200	191	95	70-105
Silver	5.00	5.07	101	80-110
Thallium	200	210	105	80-110
Vanadium	50.0	53.8	108	85-115
Zinc	50.0	52.4	105	80-115

Category: HG-CVAA-S Mercury by CVAA
Matrix: SOLID
Date Analyzed: 04 APR 96
QC Run: 02 APR 96-DX
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: 117812

Category: ICP-S ICP Metals
Matrix: SOLID
Sample: 117812-0001
MS Run: 29 MAR 96-BA
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	7.56 n	15.4 n	50.0	15	31	68	70-110	20
Arsenic	ND	189	189	200	94	95	0.4	75-110	20
Barium	175	364	368	200	94	96	1.9	85-115	20
Beryllium	0.808	5.74	5.68	5.00	99	97	1.3	80-115	20
Cadmium	ND	4.94	5.00	5.00	99	100	1.1	80-115	20
Chromium	36.5	56.8	53.5	20.0	101	85	17	85-120	20
Cobalt	21.5	67.0	67.7	50.0	91	92	1.5	85-120	20
Copper	33.1	58.0	57.3	25.0	100	97	2.6	85-115	20
Lead	7.86	55.1	55.4	50.0	95	95	0.5	80-110	20
Molybdenum	ND	91.3	93.2	100	91	93	2.1	80-115	20
Nickel	26.4	95.9 n	73.1	50.0	139	93	39	85-115	20
Selenium	ND	178	180	200	89	90	0.8	70-105	20
Silver	ND	4.71	4.74	5.00	94	95	0.5	80-110	20
Thallium	ND	189	190	200	94	95	0.6	80-110	20
Vanadium	67.1	114	111	50.0	93	89	5.3	85-115	20
Zinc	83.9	132	132	50.0	96	96	0.1	80-115	20

Category: HG-CVAA-S Mercury by CVAA
Matrix: SOLID
Sample: 117812-0001
MS Run: 02 APR 96-DA
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	0.0440	0.723	0.667	0.750	91	83	8.6	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: 117812

Test: ICPT-CAM-S Method 6010 - CAM TTLC Metals
Matrix: SOLID
QC Run: 29 MAR 96-BX Date Analyzed: 02 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 Method 7471 - Mercury, Cold Vapor AA
Matrix: SOLID
QC Run: 02 APR 96-DX Date Analyzed: 04 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)
117812-0001-SA	SOLID	CR6-S		27 MAR 96-BX	27 MAR 96-BA
117812-0002-SA	SOLID	CR6-S		27 MAR 96-BX	27 MAR 96-BA
117812-0003-SA	SOLID	CR6-S		27 MAR 96-BX	27 MAR 96-BA
117812-0004-SA	SOLID	CR6-S		27 MAR 96-BX	27 MAR 96-BA
117812-0005-SA	SOLID	CR6-S		27 MAR 96-BX	27 MAR 96-BA
117812-0006-SA	SOLID	CR6-S		27 MAR 96-BX	27 MAR 96-BA
117812-0007-SA	SOLID	CR6-S		27 MAR 96-BX	27 MAR 96-BA
117812-0008-SA	SOLID	CR6-S		27 MAR 96-BX	27 MAR 96-BA
117812-0021-SA	SOLID	CR6-S		27 MAR 96-BX	27 MAR 96-BA
117812-0022-SA	SOLID	CR6-S		27 MAR 96-BX	27 MAR 96-BA
117812-0025-SA	SOLID	CR6-S		27 MAR 96-BX	27 MAR 96-BA
117812-0026-SA	SOLID	CR6-S		27 MAR 96-BX	27 MAR 96-BA
117812-0029-SA	SOLID	CR6-S		27 MAR 96-BX	27 MAR 96-BA
117812-0030-SA	SOLID	CR6-S		27 MAR 96-BX	27 MAR 96-BA
117812-0033-SA	SOLID	CR6-S		27 MAR 96-BX	27 MAR 96-BA
117812-0034-SA	SOLID	CR6-S		27 MAR 96-BX	27 MAR 96-BA
117812-0037-SA	SOLID	CR6-S		27 MAR 96-BX	27 MAR 96-BA
117812-0038-SA	SOLID	CR6-S		27 MAR 96-BX	27 MAR 96-BA
117812-0041-SA	SOLID	CR6-S		28 MAR 96-BX	27 MAR 96-BA
117812-0042-SA	SOLID	CR6-S		28 MAR 96-BX	27 MAR 96-BA

Quanterra
Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Wet Chemistry Analysis and Preparation
Project: 117812

Category: CR6-S Method 7196 - Chromium, Hexavalent
Matrix: SOLID Date Analyzed: 28 MAR 96
QC Run: 28 MAR 96-BX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Chromium, Hexavalent	0.250	0.267	107	70-122

Category: CR6-S Method 7196 - Chromium, Hexavalent
Matrix: SOLID Date Analyzed: 28 MAR 96
QC Run: 27 MAR 96-BX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Chromium, Hexavalent	0.250	0.232	93	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: 117812

Category: CR6-S Method 7196 - Chromium, Hexavalent
Matrix: SOLID
Sample: 117812-0002
MS Run: 27 MAR 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	0.223	0.232	0.250	89	93	4.0	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: 117812

Test: CR6-S Method 7196 - Chromium, Hexavalent
Matrix: SOLID
QC Run: 27 MAR 96-BX Date Analyzed: 28 MAR 96

Analyte	Result	Units	Reporting Limit
Chromium, Hexavalent	ND	mg/kg	0.10

QC Run: 28 MAR 96-BX Date Analyzed: 28 MAR 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)
117812-0001-SA	SOLID	PCB-S		29 MAR 96-FX	29 MAR 96-FA
117812-0002-SA	SOLID	PCB-S		29 MAR 96-FX	29 MAR 96-FA
117812-0003-SA	SOLID	PCB-S		29 MAR 96-FX	29 MAR 96-FA
117812-0004-SA	SOLID	PCB-S		29 MAR 96-FX	29 MAR 96-FA
117812-0005-SA	SOLID	PCB-S		29 MAR 96-FX	29 MAR 96-FA
117812-0006-SA	SOLID	PCB-S		29 MAR 96-FX	29 MAR 96-FA
117812-0007-SA	SOLID	PCB-S		29 MAR 96-FX	29 MAR 96-FA
117812-0008-SA	SOLID	PCB-S		29 MAR 96-FX	29 MAR 96-FA
117812-0021-SA	SOLID	PCB-S		29 MAR 96-FX	29 MAR 96-FA
117812-0022-SA	SOLID	PCB-S		29 MAR 96-FX	29 MAR 96-FA
117812-0025-SA	SOLID	PCB-S		29 MAR 96-FX	29 MAR 96-FA
117812-0026-SA	SOLID	PCB-S		29 MAR 96-FX	29 MAR 96-FA
117812-0029-SA	SOLID	PCB-S		29 MAR 96-FX	29 MAR 96-FA
117812-0030-SA	SOLID	PCB-S		29 MAR 96-FX	29 MAR 96-FA
117812-0033-SA	SOLID	PCB-S		29 MAR 96-FX	29 MAR 96-FA
117812-0034-SA	SOLID	PCB-S		29 MAR 96-FX	29 MAR 96-FA
117812-0037-SA	SOLID	PCB-S		29 MAR 96-FX	29 MAR 96-FA
117812-0038-SA	SOLID	PCB-S		29 MAR 96-FX	29 MAR 96-FA
117812-0041-SA	SOLID	PCB-S		29 MAR 96-FX	29 MAR 96-FA
117812-0042-SA	SOLID	PCB-S		29 MAR 96-FX	29 MAR 96-FA

Quanterra Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Semivolatile Organics by GC
Project: 117812

Category: PCB-S PCBs
Matrix: SOLID
QC Run: 29 MAR 96-FX
Concentration Units: ug/kg

Date Analyzed: 01 APR 96

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Aroclor 1254	167	171	103	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: 117812

Category: PCB-S PCBs
Matrix: SOLID
Sample: 117812-0001
MS Run: 29 MAR 96-FA
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	153	160	167	92	96	4.3	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: 117812

Category: PCB-S PCBs
Matrix: SOLID
QC Run: 29 MAR 96-FX
Date Analyzed: 01 APR 96
Concentration Units: ug/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) SCS	Accuracy(%) Limits
2,4,5,6-Tetrachloro-m-xylene	6.67	6.26	94	60-150
Decachlorobiphenyl	6.67	6.50	97	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: 117812

Test: 8080-PCB-S Method 8080 - PCBs
Matrix: SOLID
QC Run: 29 MAR 96-FX Date Analyzed: 01 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 C9

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.: 118006-0001/0017
DATE SAMPLED: 08-APR-1996
DATE SAMPLE REC'D: 08-APR-1996
PROJECT: MCDONNELL DOUGLAS AIRCRAFT

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 8010/8020 data were provided on April 15, 1996 at 6:28 PM to Rick Pastore.
Preliminary SW6010 and SW7196 data were provided on April 17, 1996 at 2:10 PM to Rick Pastore.
Preliminary metals data, including mercury and hexavalent chromium, were provided on April 19, 1996 at 10:00 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,

M. Valenzuela
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

TABLE OF CONTENTS

LIMS # 118006

Cover Letter 1

LIMS Report Key 2

Table of Contents 3

Narrative 4

Chain-of-Custody Records and Sample Description Information

Analytical Results Summary (LIMS Report)

A. LIMS Datasheets
B. QC Summaries

Quanterra Environmental Services

CASE NARRATIVE

LIMS # 118006

I. CONDITION UPON RECEIPT

Sample containers were received chilled and intact. Sample container labels did agree with the COC as to sample ID, collection date and requested tests. Per instructions received on April 9, 1996 from Jay Knight, sample 118006-0011 was placed on hold and analysis for 8010/8020 and metals was added to samples -0013 and -0014.

Samples were received in time to meet the method holding time specifications.

II. ORGANIC ANALYSES (BY METHOD: SW8010/8020)

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

METHOD BLANK
All method blanks met method-specific QC criteria.

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

SURROGATE RECOVERIES
All surrogate spike recoveries in samples and in QC samples met method-specific QC criteria.

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

III. METALS (BY METHOD: SW6010; SW7000 Series)

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

METHOD BLANK
All method blank data met method-specific QC criteria.

MS/MSD/LCS/DCS AND RPDs
Except for the SW6010 MS/MSD, all spike recovery and RPD data met method-specific QC criteria. Matrix spike/matrix spike duplicate spike recoveries were outside the acceptance limits for antimony, barium, chromium, copper, molybdenum, vanadium, 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.

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

Quanterra Environmental Services

CASE NARRATIVE

LIMS # 118006

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-specific QC criteria.

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

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

CHAIN-OF-CUSTODY RECORD

Client Kennedy / Jenks

Project Name Douglas Aircraft

Project Address Torrance

Project Contact (please print)

Date 4-8-96

Client Reference # 954019.01

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

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

Page of

Lab Use Only
Lab Job # 118006
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 (VOCs)	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	X							
7D - 10					X	X								
7D - 15					X	X	X							
7D - 20					X	X	X							
7D - 25							X							
7D - 35							X							

Total Number of Containers 17

❶ Relinquished by (signature)*

Company

❷ Received by (signature)

Company

Date

Time

❸ Relinquished by (signature)

Company Kennedy Jenks

❹ Received by Laboratory (signature) K. FREITAG

Laboratory Name QES - S.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.
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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

Quanterra
Environmental Services

SAMPLE DESCRIPTION INFORMATION
for
Kennedy/Jenks Consultants

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
118006-0001-SA	7A-5	SOIL	08 APR 96		08 APR 96
118006-0002-SA	7A-10	SOIL	08 APR 96		08 APR 96
118006-0003-SA	7A-15	SOIL	08 APR 96		08 APR 96
118006-0004-SA	7A-20	SOIL	08 APR 96		08 APR 96
118006-0005-SA	7A-25	SOIL	08 APR 96		08 APR 96
118006-0006-SA	7C-5	SOIL	08 APR 96		08 APR 96
118006-0007-SA	7C-10	SOIL	08 APR 96		08 APR 96
118006-0008-SA	7C-15	SOIL	08 APR 96		08 APR 96
118006-0009-SA	7C-20	SOIL	08 APR 96		08 APR 96
118006-0010-SA	7C-25	SOIL	08 APR 96		08 APR 96
118006-0011-SA	7D-5	SOIL	08 APR 96		08 APR 96
118006-0012-SA	7D-10	SOIL	08 APR 96		08 APR 96
118006-0013-SA	7D-15	SOIL	08 APR 96		08 APR 96
118006-0014-SA	7D-20	SOIL	08 APR 96		08 APR 96
118006-0015-SA	7D-25	SOIL	08 APR 96		08 APR 96
118006-0016-SA	7D-30	SOIL	08 APR 96		08 APR 96
118006-0017-SA	7D-35	SOIL	08 APR 96		08 APR 96

Quanterra
Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 7A-5
LAB ID: 118006-0001-SA
Matrix: SOIL
Authorized: 08 APR 96

Sampled: 08 APR 96
Prepared: See Below

Received: 08 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	126		1.0	20.0	mg/kg	SW6010	10 APR 96	11 APR 96
Beryllium	0.90		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	35.9		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Cobalt	13.9		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Copper	27.2		1.0	2.5	mg/kg	SW6010	10 APR 96	11 APR 96
Lead	5.9		1.0	0.30	mg/kg	SW6010	10 APR 96	11 APR 96
Mercury	0.084		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	21.2		1.0	4.0	mg/kg	SW6010	10 APR 96	11 APR 96
Selenium	0.53		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	62.6		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Zinc	62.7		1.0	2.0	mg/kg	SW6010	10 APR 96	11 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	09 APR 96	09 APR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 7A-10
LAB ID: 118006-0002-SA
Matrix: SOIL
Authorized: 08 APR 96

Sampled: 08 APR 96
Prepared: See Below

Received: 08 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	166		1.0	20.0	mg/kg	SW6010	10 APR 96	11 APR 96
Beryllium	0.65		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	31.4		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Cobalt	15.8		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Copper	33.9		1.0	2.5	mg/kg	SW6010	10 APR 96	11 APR 96
Lead	6.1		1.0	0.30	mg/kg	SW6010	10 APR 96	11 APR 96
Mercury	0.046		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	23.0		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	58.2		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Zinc	68.3		1.0	2.0	mg/kg	SW6010	10 APR 96	11 APR 96
Chromium, Hexavalent	1.1		5.0	0.50	mg/kg	SW7196	09 APR 96	09 APR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 7C-5
LAB ID: 118006-0006-SA
Matrix: SOIL
Authorized: 08 APR 96

Sampled: 08 APR 96
Prepared: See Below

Received: 08 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	166		1.0	20.0	mg/kg	SW6010	10 APR 96	11 APR 96
Beryllium	0.79		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	37.0		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Cobalt	10.4		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Copper	22.8		1.0	2.5	mg/kg	SW6010	10 APR 96	11 APR 96
Lead	5.7		1.0	0.30	mg/kg	SW6010	10 APR 96	11 APR 96
Mercury	0.069		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	15.0		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	50.4		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Zinc	53.2		1.0	2.0	mg/kg	SW6010	10 APR 96	11 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	09 APR 96	09 APR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 7C-10
LAB ID: 118006-0007-SA
Matrix: SOIL
Authorized: 08 APR 96

Sampled: 08 APR 96
Prepared: See Below

Received: 08 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	142		1.0	20.0	mg/kg	SW6010	10 APR 96	11 APR 96
Beryllium	0.80		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	26.6		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Cobalt	20.6		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Copper	34.9		1.0	2.5	mg/kg	SW6010	10 APR 96	11 APR 96
Lead	6.5		1.0	0.30	mg/kg	SW6010	10 APR 96	11 APR 96
Mercury	0.040		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	21.5		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	57.8		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Zinc	81.3		1.0	2.0	mg/kg	SW6010	10 APR 96	11 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	09 APR 96	09 APR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 7D-10
LAB ID: 118006-0012-SA
Matrix: SOIL
Authorized: 08 APR 96

Sampled: 08 APR 96
Prepared: See Below

Received: 08 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	154		1.0	20.0	mg/kg	SW6010	10 APR 96	11 APR 96
Beryllium	0.65		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	25.0		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Cobalt	16.2		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Copper	29.9		1.0	2.5	mg/kg	SW6010	10 APR 96	11 APR 96
Lead	6.3		1.0	0.30	mg/kg	SW6010	10 APR 96	11 APR 96
Mercury	0.040		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	23.8		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	53.6		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Zinc	66.6		1.0	2.0	mg/kg	SW6010	10 APR 96	11 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	09 APR 96	09 APR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 7D-15
LAB ID: 118006-0013-SA
Matrix: SOIL
Authorized: 08 APR 96

Sampled: 08 APR 96
Prepared: See Below

Received: 08 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	166		1.0	20.0	mg/kg	SW6010	10 APR 96	11 APR 96
Beryllium	0.64		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	30.9		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Cobalt	16.1		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Copper	31.3		1.0	2.5	mg/kg	SW6010	10 APR 96	11 APR 96
Lead	6.1		1.0	0.30	mg/kg	SW6010	10 APR 96	11 APR 96
Mercury	0.060		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	22.0		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	58.6		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Zinc	68.2		1.0	2.0	mg/kg	SW6010	10 APR 96	11 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	09 APR 96	09 APR 96

ND = Not Detected

Quanterra Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 7D-20
LAB ID: 118006-0014-SA
Matrix: SOIL
Authorized: 08 APR 96

Sampled: 08 APR 96
Prepared: See Below

Received: 08 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	173		1.0	20.0	mg/kg	SW6010	10 APR 96	11 APR 96
Beryllium	0.64		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	26.0		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Cobalt	15.4		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Copper	30.2		1.0	2.5	mg/kg	SW6010	10 APR 96	11 APR 96
Lead	6.3		1.0	0.30	mg/kg	SW6010	10 APR 96	11 APR 96
Mercury	0.048		1.0	0.040	mg/kg	SW7471	16 APR 96	17 APR 96
Molybdenum	ND		1.0	4.0	mg/kg	SW6010	10 APR 96	11 APR 96
Nickel	17.9		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	56.9		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Zinc	76.9		1.0	2.0	mg/kg	SW6010	10 APR 96	11 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	09 APR 96	09 APR 96

ND = Not Detected

Quanterra Environmental Services

Halogenated Volatile Organics
Method 8010

Client Name: Kennedy/Jenks Consultants
Client ID: 7A-5
LAB ID: 118006-0001-SA
Matrix: SOIL
Authorized: 08 APR 96
Instrument: VOA

Sampled: 08 APR 96
Prepared: 10 APR 96
Dilution: 1.0

Received: 08 APR 96
Analyzed: 10 APR 96

Parameter	Result	Qualifier	RL	Units
Chloromethane	ND		5.0	ug/kg
Bromomethane	ND		5.0	ug/kg
Vinyl chloride	ND		5.0	ug/kg
Chloroethane	ND		5.0	ug/kg
Methylene chloride	ND		5.0	ug/kg
Trichlorofluoromethane	ND		5.0	ug/kg
1,1-Dichloroethene	ND		5.0	ug/kg
1,1-Dichloroethane	ND		5.0	ug/kg
trans-1,2-Dichloroethene	ND		5.0	ug/kg
Chloroform	ND		5.0	ug/kg
1,2-Dichloroethane	ND		5.0	ug/kg
1,1,1-Trichloroethane	ND		5.0	ug/kg
Carbon tetrachloride	ND		5.0	ug/kg
Bromodichloromethane	ND		5.0	ug/kg
1,2-Dichloropropane	ND		5.0	ug/kg
cis-1,3-Dichloropropene	ND		5.0	ug/kg
Trichloroethene	ND		5.0	ug/kg
Dibromochloromethane	ND		5.0	ug/kg
1,1,2-Trichloroethane	ND		5.0	ug/kg
trans-1,3-Dichloropropene	ND		5.0	ug/kg
2-Chloroethyl vinyl ether	ND		5.0	ug/kg
Bromoform	ND		5.0	ug/kg
Tetrachloroethene	ND		5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	57	%	11 - 113

ND = Not Detected

Quanterra Environmental Services

Halogenated Volatile Organics
Method 8010

Client Name: Kennedy/Jenks Consultants
Client ID: 7A-10
LAB ID: 118006-0002-SA
Matrix: SOIL
Authorized: 08 APR 96
Instrument: VOA

Sampled: 08 APR 96
Prepared: 10 APR 96
Dilution: 1.0

Received: 08 APR 96
Analyzed: 10 APR 96

Parameter	Result	Qualifier	RL	Units
Chloromethane	ND		5.0	ug/kg
Bromomethane	ND		5.0	ug/kg
Vinyl chloride	ND		5.0	ug/kg
Chloroethane	ND		5.0	ug/kg
Methylene chloride	ND		5.0	ug/kg
Trichlorofluoromethane	ND		5.0	ug/kg
1,1-Dichloroethene	ND		5.0	ug/kg
1,1-Dichloroethane	ND		5.0	ug/kg
trans-1,2-Dichloroethene	ND		5.0	ug/kg
Chloroform	ND		5.0	ug/kg
1,2-Dichloroethane	ND		5.0	ug/kg
1,1,1-Trichloroethane	ND		5.0	ug/kg
Carbon tetrachloride	ND		5.0	ug/kg
Bromodichloromethane	ND		5.0	ug/kg
1,2-Dichloropropane	ND		5.0	ug/kg
cis-1,3-Dichloropropene	ND		5.0	ug/kg
Trichloroethene	ND		5.0	ug/kg
Dibromochloromethane	ND		5.0	ug/kg
1,1,2-Trichloroethane	ND		5.0	ug/kg
trans-1,3-Dichloropropene	ND		5.0	ug/kg
2-Chloroethyl vinyl ether	ND		5.0	ug/kg
Bromoform	ND		5.0	ug/kg
Tetrachloroethene	ND		5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	68	%	11 - 113

ND = Not Detected

Quanterra Environmental Services

Halogenated Volatile Organics
Method 8010

Client Name: Kennedy/Jenks Consultants
Client ID: 7C-5
LAB ID: 118006-0006-SA
Matrix: SOIL — Sampled: 08 APR 96 — Received: 08 APR 96
Authorized: 08 APR 96 — Prepared: 10 APR 96 — Analyzed: 10 APR 96
Instrument: VOA — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Chloromethane	ND		5.0	ug/kg
Bromomethane	ND		5.0	ug/kg
Vinyl chloride	ND		5.0	ug/kg
Chloroethane	ND		5.0	ug/kg
Methylene chloride	ND		5.0	ug/kg
Trichlorofluoromethane	ND		5.0	ug/kg
1,1-Dichloroethene	16		5.0	ug/kg
1,1-Dichloroethane	ND		5.0	ug/kg
trans-1,2-Dichloroethene	ND		5.0	ug/kg
Chloroform	ND		5.0	ug/kg
1,2-Dichloroethane	ND		5.0	ug/kg
1,1,1-Trichloroethane	ND		5.0	ug/kg
Carbon tetrachloride	ND		5.0	ug/kg
Bromodichloromethane	ND		5.0	ug/kg
1,2-Dichloropropane	ND		5.0	ug/kg
cis-1,3-Dichloropropene	ND		5.0	ug/kg
Trichloroethene	ND		5.0	ug/kg
Dibromochloromethane	ND		5.0	ug/kg
1,1,2-Trichloroethane	ND		5.0	ug/kg
trans-1,3-Dichloropropene	ND		5.0	ug/kg
2-Chloroethyl vinyl ether	ND		5.0	ug/kg
Bromoform	ND		5.0	ug/kg
Tetrachloroethene	ND		5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	91	%	11 - 113

ND = Not Detected

Quanterra Environmental Services

Halogenated Volatile Organics
Method 8010

Client Name: Kennedy/Jenks Consultants
Client ID: 7C-10
LAB ID: 118006-0007-SA
Matrix: SOIL
Authorized: 08 APR 96
Instrument: VOA

Sampled: 08 APR 96
Prepared: 10 APR 96
Dilution: 1.0

Received: 08 APR 96
Analyzed: 10 APR 96

Parameter	Result	Qualifier	RL	Units
Chloromethane	ND		5.0	ug/kg
Bromomethane	ND		5.0	ug/kg
Vinyl chloride	ND		5.0	ug/kg
Chloroethane	ND		5.0	ug/kg
Methylene chloride	ND		5.0	ug/kg
Trichlorofluoromethane	ND		5.0	ug/kg
1,1-Dichloroethene	ND		5.0	ug/kg
1,1-Dichloroethane	ND		5.0	ug/kg
trans-1,2-Dichloroethene	ND		5.0	ug/kg
Chloroform	ND		5.0	ug/kg
1,2-Dichloroethane	ND		5.0	ug/kg
1,1,1-Trichloroethane	ND		5.0	ug/kg
Carbon tetrachloride	ND		5.0	ug/kg
Bromodichloromethane	ND		5.0	ug/kg
1,2-Dichloropropane	ND		5.0	ug/kg
cis-1,3-Dichloropropene	ND		5.0	ug/kg
Trichloroethene	ND		5.0	ug/kg
Dibromochloromethane	ND		5.0	ug/kg
1,1,2-Trichloroethane	ND		5.0	ug/kg
trans-1,3-Dichloropropene	ND		5.0	ug/kg
2-Chloroethyl vinyl ether	ND		5.0	ug/kg
Bromoform	ND		5.0	ug/kg
Tetrachloroethene	ND		5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	64	%	11 - 113

ND = Not Detected

Quanterra Environmental Services

Halogenated Volatile Organics
Method 8010

Client Name: Kennedy/Jenks Consultants
Client ID: 7D-10
LAB ID: 118006-0012-SA
Matrix: SOIL
Authorized: 08 APR 96
Instrument: VOA

Sampled: 08 APR 96
Prepared: 10 APR 96
Dilution: 1.0

Received: 08 APR 96
Analyzed: 10 APR 96

Parameter	Result	Qualifier	RL	Units
Chloromethane	ND		5.0	ug/kg
Bromomethane	ND		5.0	ug/kg
Vinyl chloride	ND		5.0	ug/kg
Chloroethane	ND		5.0	ug/kg
Methylene chloride	ND		5.0	ug/kg
Trichlorofluoromethane	ND		5.0	ug/kg
1,1-Dichloroethene	ND		5.0	ug/kg
1,1-Dichloroethane	8.3		5.0	ug/kg
trans-1,2-Dichloroethene	ND		5.0	ug/kg
Chloroform	ND		5.0	ug/kg
1,2-Dichloroethane	ND		5.0	ug/kg
1,1,1-Trichloroethane	ND		5.0	ug/kg
Carbon tetrachloride	ND		5.0	ug/kg
Bromodichloromethane	ND		5.0	ug/kg
1,2-Dichloropropane	ND		5.0	ug/kg
cis-1,3-Dichloropropene	ND		5.0	ug/kg
Trichloroethene	ND		5.0	ug/kg
Dibromochloromethane	ND		5.0	ug/kg
1,1,2-Trichloroethane	19		5.0	ug/kg
trans-1,3-Dichloropropene	ND		5.0	ug/kg
2-Chloroethyl vinyl ether	ND		5.0	ug/kg
Bromoform	ND		5.0	ug/kg
Tetrachloroethene	ND		5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	71	%	11 - 113

ND = Not Detected

Quanterra Environmental Services

Halogenated Volatile Organics
Method 8010

Client Name: Kennedy/Jenks Consultants
Client ID: 7D-15
LAB ID: 118006-0013-SA
Matrix: SOIL
Authorized: 08 APR 96
Instrument: VOA

Sampled: 08 APR 96
Prepared: 10 APR 96
Dilution: 1.0

Received: 08 APR 96
Analyzed: 10 APR 96

Parameter	Result	Qualifier	RL	Units
Chloromethane	ND		5.0	ug/kg
Bromomethane	ND		5.0	ug/kg
Vinyl chloride	ND		5.0	ug/kg
Chloroethane	ND		5.0	ug/kg
Methylene chloride	ND		5.0	ug/kg
Trichlorofluoromethane	ND		5.0	ug/kg
1,1-Dichloroethene	ND		5.0	ug/kg
1,1-Dichloroethane	ND		5.0	ug/kg
trans-1,2-Dichloroethene	ND		5.0	ug/kg
Chloroform	ND		5.0	ug/kg
1,2-Dichloroethane	ND		5.0	ug/kg
1,1,1-Trichloroethane	ND		5.0	ug/kg
Carbon tetrachloride	ND		5.0	ug/kg
Bromodichloromethane	ND		5.0	ug/kg
1,2-Dichloropropane	ND		5.0	ug/kg
cis-1,3-Dichloropropene	ND		5.0	ug/kg
Trichloroethene	ND		5.0	ug/kg
Dibromochloromethane	ND		5.0	ug/kg
1,1,2-Trichloroethane	7.9		5.0	ug/kg
trans-1,3-Dichloropropene	ND		5.0	ug/kg
2-Chloroethyl vinyl ether	ND		5.0	ug/kg
Bromoform	ND		5.0	ug/kg
Tetrachloroethene	ND		5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	68	%	11 - 113

ND = Not Detected

Quanterra Environmental Services

Halogenated Volatile Organics
Method 8010

Client Name: Kennedy/Jenks Consultants
Client ID: 7D-20
LAB ID: 118006-0014-SA
Matrix: SOIL
Authorized: 08 APR 96
Instrument: VOA

Sampled: 08 APR 96
Prepared: 10 APR 96
Dilution: 1.0

Received: 08 APR 96
Analyzed: 10 APR 96

Parameter	Result	Qualifier	RL	Units
Chloromethane	ND		5.0	ug/kg
Bromomethane	ND		5.0	ug/kg
Vinyl chloride	ND		5.0	ug/kg
Chloroethane	ND		5.0	ug/kg
Methylene chloride	ND		5.0	ug/kg
Trichlorofluoromethane	ND		5.0	ug/kg
1,1-Dichloroethene	ND		5.0	ug/kg
1,1-Dichloroethane	ND		5.0	ug/kg
trans-1,2-Dichloroethene	ND		5.0	ug/kg
Chloroform	ND		5.0	ug/kg
1,2-Dichloroethane	8.7		5.0	ug/kg
1,1,1-Trichloroethane	ND		5.0	ug/kg
Carbon tetrachloride	ND		5.0	ug/kg
Bromodichloromethane	ND		5.0	ug/kg
1,2-Dichloropropane	ND		5.0	ug/kg
cis-1,3-Dichloropropene	ND		5.0	ug/kg
Trichloroethene	ND		5.0	ug/kg
Dibromochloromethane	ND		5.0	ug/kg
1,1,2-Trichloroethane	18		5.0	ug/kg
trans-1,3-Dichloropropene	ND		5.0	ug/kg
2-Chloroethyl vinyl ether	ND		5.0	ug/kg
Bromoform	ND		5.0	ug/kg
Tetrachloroethene	ND		5.0	ug/kg
1,1,2,2-Tetrachloroethane	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	73	%	11 - 113

ND = Not Detected

Quanterra Environmental Services

Aromatic Volatile Organics
Method 8020

Client Name: Kennedy/Jenks Consultants
Client ID: 7A-5
LAB ID: 118006-0001-SA
Matrix: SOIL
Authorized: 08 APR 96
Instrument: VOA

Sampled: 08 APR 96
Prepared: 10 APR 96
Dilution: 1.0

Received: 08 APR 96
Analyzed: 10 APR 96

Parameter	Result	Qualifier	RL	Units
Benzene	ND		5.0	ug/kg
Toluene	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
Ethylbenzene	ND		5.0	ug/kg
Xylenes (total)	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	67	%	30 - 137

ND = Not Detected

Quanterra Environmental Services

Aromatic Volatile Organics
Method 8020

Client Name: Kennedy/Jenks Consultants
Client ID: 7A-10
LAB ID: 118006-0002-SA
Matrix: SOIL — Sampled: 08 APR 96 — Received: 08 APR 96
Authorized: 08 APR 96 — Prepared: 10 APR 96 — Analyzed: 10 APR 96
Instrument: VOA — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Benzene	ND		5.0	ug/kg
Toluene	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
Ethylbenzene	ND		5.0	ug/kg
Xylenes (total)	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	78	%	30 - 137

ND = Not Detected

Quanterra Environmental Services

Aromatic Volatile Organics
Method 8020

Client Name: Kennedy/Jenks Consultants
Client ID: 7C-5
LAB ID: 118006-0006-SA
Matrix: SOIL
Authorized: 08 APR 96
Instrument: VOA

Sampled: 08 APR 96
Prepared: 10 APR 96
Dilution: 1.0

Received: 08 APR 96
Analyzed: 10 APR 96

Parameter	Result	Qualifier	RL	Units
Benzene	ND		5.0	ug/kg
Toluene	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
Ethylbenzene	ND		5.0	ug/kg
Xylenes (total)	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	102	%	30 - 137

ND = Not Detected

Quanterra Environmental Services

Aromatic Volatile Organics
Method 8020

Client Name: Kennedy/Jenks Consultants
Client ID: 7C-10
LAB ID: 118006-0007-SA
Matrix: SOIL — Sampled: 08 APR 96 — Received: 08 APR 96
Authorized: 08 APR 96 — Prepared: 10 APR 96 — Analyzed: 10 APR 96
Instrument: VOA — Dilution: 1.0

Parameter	Result	Qualifier	RL	Units
Benzene	ND		5.0	ug/kg
Toluene	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
Ethylbenzene	ND		5.0	ug/kg
Xylenes (total)	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	75	%	30 - 137

ND = Not Detected

Quanterra Environmental Services

Aromatic Volatile Organics
Method 8020

Client Name: Kennedy/Jenks Consultants
Client ID: 7D-10
LAB ID: 118006-0012-SA
Matrix: SOIL
Authorized: 08 APR 96
Instrument: VOA

Sampled: 08 APR 96
Prepared: 10 APR 96
Dilution: 1.0

Received: 08 APR 96
Analyzed: 10 APR 96

Parameter	Result	Qualifier	RL	Units
Benzene	ND		5.0	ug/kg
Toluene	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
Ethylbenzene	ND		5.0	ug/kg
Xylenes (total)	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	81	%	30 - 137

ND = Not Detected

Quanterra Environmental Services

Aromatic Volatile Organics
Method 8020

Client Name: Kennedy/Jenks Consultants
Client ID: 7D-15
LAB ID: 118006-0013-SA
Matrix: SOIL
Authorized: 08 APR 96
Instrument: VOA

Sampled: 08 APR 96
Prepared: 10 APR 96
Dilution: 1.0

Received: 08 APR 96
Analyzed: 10 APR 96

Parameter	Result	Qualifier	RL	Units
Benzene	ND		5.0	ug/kg
Toluene	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
Ethylbenzene	ND		5.0	ug/kg
Xylenes (total)	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	79	%	30 - 137

ND = Not Detected

Quanterra Environmental Services

Aromatic Volatile Organics
Method 8020

Client Name: Kennedy/Jenks Consultants
Client ID: 7D-20
LAB ID: 118006-0014-SA
Matrix: SOIL
Authorized: 08 APR 96
Instrument: VOA

Sampled: 08 APR 96
Prepared: 10 APR 96
Dilution: 1.0

Received: 08 APR 96
Analyzed: 10 APR 96

Parameter	Result	Qualifier	RL	Units
Benzene	ND		5.0	ug/kg
Toluene	ND		5.0	ug/kg
Chlorobenzene	ND		5.0	ug/kg
Ethylbenzene	ND		5.0	ug/kg
Xylenes (total)	ND		5.0	ug/kg
1,3-Dichlorobenzene	ND		5.0	ug/kg
1,4-Dichlorobenzene	ND		5.0	ug/kg
1,2-Dichlorobenzene	ND		5.0	ug/kg

Surrogate	Recovery		Acceptable Range
Bromofluorobenzene	83	%	30 - 137

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)
118006-0001-SA	SOLID	ICP-S		10 APR 96-DX	10 APR 96-DA
118006-0001-SA	SOLID	HG-CVAA-S		10 APR 96-HX	10 APR 96-HA
118006-0002-SA	SOLID	ICP-S		10 APR 96-DX	10 APR 96-DA
118006-0002-SA	SOLID	HG-CVAA-S		10 APR 96-HX	10 APR 96-HA
118006-0006-SA	SOLID	ICP-S		10 APR 96-DX	10 APR 96-DA
118006-0006-SA	SOLID	HG-CVAA-S		10 APR 96-HX	10 APR 96-HA
118006-0007-SA	SOLID	ICP-S		10 APR 96-DX	10 APR 96-DA
118006-0007-SA	SOLID	HG-CVAA-S		10 APR 96-HX	10 APR 96-HA
118006-0012-SA	SOLID	ICP-S		10 APR 96-DX	10 APR 96-DA
118006-0012-SA	SOLID	HG-CVAA-S		10 APR 96-HX	10 APR 96-HA
118006-0013-SA	SOLID	ICP-S		10 APR 96-DX	10 APR 96-DA
118006-0013-SA	SOLID	HG-CVAA-S		10 APR 96-HX	10 APR 96-HA
118006-0014-SA	SOLID	ICP-S		10 APR 96-DX	10 APR 96-DA
118006-0014-SA	SOLID	HG-CVAA-S		16 APR 96-KX	16 APR 96-KA

Quanterra Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Metals Analysis and Preparation
Project: 118006

Category: ICP-S ICP Metals
Matrix: SOLID
QC Run: 10 APR 96-DX
Concentration Units: mg/kg

Date Analyzed: 11 APR 96

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Antimony	50.0	45.0	90	70-110
Arsenic	200	186	93	75-110
Barium	200	193	97	85-115
Beryllium	5.00	4.80	96	80-115
Cadmium	5.00	4.88	98	80-115
Chromium	20.0	19.8	99	85-120
Cobalt	50.0	49.4	99	85-120
Copper	25.0	23.6	94	85-115
Lead	50.0	49.3	99	80-110
Molybdenum	100	96.7	97	80-115
Nickel	50.0	49.8	100	85-115
Selenium	200	183	91	70-105
Silver	5.00	4.68	94	80-110
Thallium	200	194	97	80-110
Vanadium	50.0	48.4	97	85-115
Zinc	50.0	49.3	99	80-115

Category: HG-CVAA-S Mercury by CVAA
Matrix: SOLID
QC Run: 10 APR 96-HX
Concentration Units: mg/kg

Date Analyzed: 11 APR 96

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.750	0.735	98	80-120

Category: HG-CVAA-S Mercury by CVAA
Matrix: SOLID
QC Run: 16 APR 96-KX
Concentration Units: mg/kg

Date Analyzed: 17 APR 96

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Mercury	0.750	0.690	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: 118006

Category: ICP-S ICP Metals
Matrix: SOLID
Sample: 118006-0001
MS Run: 10 APR 96-DA
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	13.6 n	14.2 n	50.0	27	28	4.6	70-110	20
Arsenic	ND	175	175	200	88	87	0.1	75-110	20
Barium	126	382 n	295 n	200	128	84	41	85-115	20
Beryllium	0.897	5.46	5.57	5.00	91	94	2.4	80-115	20
Cadmium	ND	4.43	4.42	5.00	89	88	0.1	80-115	20
Chromium	35.9	50.9 n	53.5	20.0	75	88	16	85-120	20
Cobalt	13.9	58.1	58.7	50.0	88	90	1.4	85-120	20
Copper	27.2	39.9 n	41.4 n	25.0	51	57	11	85-115	20
Lead	5.90	51.0	51.4	50.0	90	91	1.0	80-110	20
Molybdenum	ND	79.1 n	80.6	100	79	81	1.9	80-115	20
Nickel	21.2	64.4	66.6	50.0	86	91	4.9	85-115	20
Selenium	0.528	173	173	200	86	86	0.0	70-105	20
Silver	ND	4.54	4.59	5.00	91	92	1.0	80-110	20
Thallium	ND	180	180	200	90	90	0.2	80-110	20
Vanadium	62.6	101 n	106	50.0	78	88	12	85-115	20
Zinc	62.7	102 n	109	50.0	79	93	16	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	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	0.792	0.750	104	106	1.8	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

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Metals Analysis and Preparation
Project: 118006 (cont.)

Category: HG-CVAA-S Mercury by CVAA
Matrix: SOLID
Sample: 118006-0014
MS Run: 16 APR 96-KA
Units mg/kg Units Qualifier: Wet wt.

Analyte	Concentration Sample Result	MS Result	MSD Result	Amount Spiked MS/MSD	%Recovery MS	MSD	%RPD	Acceptance Limit Recov.	RPD
Mercury	0.0483	0.730	0.727	0.750	91	90	0.4	80-120	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra Environmental Services

METHOD BLANK REPORT
Metals Analysis and Preparation
Project: 118006

Test: ICPT-CAM-S Method 6010 - CAM TTLC Metals
Matrix: SOLID
QC Run: 10 APR 96-DX Date Analyzed: 11 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 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

QC Run: 16 APR 96-KX Date Analyzed: 17 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)
118006-0001-SA	SOLID	CR6-S		09 APR 96-AX	05 APR 96-AA
118006-0002-SA	SOLID	CR6-S		09 APR 96-AX	05 APR 96-AA
118006-0006-SA	SOLID	CR6-S		09 APR 96-AX	05 APR 96-AA
118006-0007-SA	SOLID	CR6-S		09 APR 96-AX	05 APR 96-AA
118006-0012-SA	SOLID	CR6-S		09 APR 96-AX	05 APR 96-AA
118006-0013-SA	SOLID	CR6-S		09 APR 96-AX	05 APR 96-AA
118006-0014-SA	SOLID	CR6-S		09 APR 96-AX	05 APR 96-AA

Quanterra
Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Wet Chemistry Analysis and Preparation
Project: 118006

Category: CR6-S Method 7196 - Chromium, Hexavalent
Matrix: SOLID Date Analyzed: 09 APR 96
QC Run: 09 APR 96-AX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Chromium, Hexavalent	0.250	0.232	93	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: 118006

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: 118006

Test: CR6-S
Matrix: SOLID
QC Run: 09 APR 96-AX

Method 7196 - Chromium, Hexavalent

Date Analyzed: 09 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
Volatile 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)
118006-0001-SA	SOLID	8010-S		10 APR 96-AFX	04 APR 96-AA
118006-0001-SA	SOLID	8020-S		10 APR 96-AFX	04 APR 96-AA
118006-0002-SA	SOLID	8010-S		10 APR 96-AFX	04 APR 96-AA
118006-0002-SA	SOLID	8020-S		10 APR 96-AFX	04 APR 96-AA
118006-0006-SA	SOLID	8010-S		10 APR 96-AFX	04 APR 96-AA
118006-0006-SA	SOLID	8020-S		10 APR 96-AFX	04 APR 96-AA
118006-0007-SA	SOLID	8010-S		10 APR 96-AFX	04 APR 96-AA
118006-0007-SA	SOLID	8020-S		10 APR 96-AFX	04 APR 96-AA
118006-0012-SA	SOLID	8010-S		10 APR 96-AFX	04 APR 96-AA
118006-0012-SA	SOLID	8020-S		10 APR 96-AFX	04 APR 96-AA
118006-0013-SA	SOLID	8010-S		10 APR 96-AFX	04 APR 96-AA
118006-0013-SA	SOLID	8020-S		10 APR 96-AFX	04 APR 96-AA
118006-0014-SA	SOLID	8010-S		10 APR 96-AFX	04 APR 96-AA
118006-0014-SA	SOLID	8020-S		10 APR 96-AFX	04 APR 96-AA

Quanterra Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Volatile Organics by GC
Project: 118006

Category: 8010-S Halogenated Volatile Organics
Matrix: SOLID
Date Analyzed: 10 APR 96
QC Run: 10 APR 96-AFX
Concentration Units: ug/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
1,1-Dichloroethane	10.0	9.28	93	55-120
Chlorobenzene	10.0	9.05	90	61-124
Trichloroethene	10.0	9.02	90	56-140
Bromodichloromethane	10.0	9.22	92	40-143
Chloroform	10.0	9.25	92	60-125

Category: 8020-S Aromatic Volatile Organics
Matrix: SOLID
Date Analyzed: 10 APR 96
QC Run: 10 APR 96-AFX
Concentration Units: ug/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Benzene	10.0	9.84	98	46-129
Toluene	10.0	9.88	99	53-130
Ethylbenzene	10.0	9.87	99	51-132
Xylenes (total)	30.0	29.6	99	42-129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra Environmental Services

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC REPORT
Volatile Organics by GC
Project: 118006

Category: 8010-S Halogenated Volatile Organics
Matrix: SOLID
Sample: 117789-0050
MS Run: 04 APR 96-AA
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
1,1-Dichloroethane	ND	8.24	8.04	10.0	82	80	2.5	32-103	35
Chlorobenzene	ND	7.99	7.97	10.0	80	80	0.1	20-123	40
Trichloroethene	ND	8.24	8.09	10.0	82	81	1.9	34-126	38
Bromodichloromethane	ND	8.18	7.98	10.0	82	80	2.4	18-121	45
Chloroform	ND	8.19	8.02	10.0	82	80	2.1	38-113	37

Category: 8020-S Aromatic Volatile Organics
Matrix: SOLID
Sample: 117789-0050
MS Run: 04 APR 96-AA
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
Benzene	ND	8.39	8.22	10.0	84	82	2.1	41-128	20
Toluene	ND	8.42	8.38	10.0	84	84	0.4	39-137	20
Ethylbenzene	ND	8.22	8.42	10.0	82	84	2.4	46-127	20
Xylenes (total)	ND	24.4	25.1	30.0	82	84	2.7	38-124	30

ND = Not Detected

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra Environmental Services

SINGLE CONTROL SAMPLE REPORT
Volatile Organics by GC
Project: 118006

Category: 8010-S Halogenated Volatile Organics
Matrix: SOLID
QC Run: 10 APR 96-AFX Date Analyzed: 10 APR 96
Concentration Units: ug/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) SCS	Accuracy(%) Limits
Bromofluorobenzene	20.0	18.0	90	19-134

Category: 8020-S Aromatic Volatile Organics
Matrix: SOLID
QC Run: 10 APR 96-AFX Date Analyzed: 10 APR 96
Concentration Units: ug/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) SCS	Accuracy(%) Limits
Bromofluorobenzene	20.0	20.3	101	30-137

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra Environmental Services

METHOD BLANK REPORT
Volatile Organics by GC
Project: 118006

Test: 8010-S
Matrix: SOLID
QC Run: 10 APR 96-AFX

Method 8010 - Halogenated Volatile Organics

Date Analyzed: 10 APR 96

Analyte	Result	Units	Reporting Limit
Chloromethane	ND	ug/kg	5.0
Bromomethane	ND	ug/kg	5.0
Vinyl chloride	ND	ug/kg	5.0
Chloroethane	ND	ug/kg	5.0
Methylene chloride	ND	ug/kg	5.0
Trichlorofluoromethane	ND	ug/kg	5.0
1,1-Dichloroethene	ND	ug/kg	5.0
1,1-Dichloroethane	ND	ug/kg	5.0
trans-1,2-Dichloroethene	ND	ug/kg	5.0
Chloroform	ND	ug/kg	5.0
1,2-Dichloroethane	ND	ug/kg	5.0
1,1,1-Trichloroethane	ND	ug/kg	5.0
Carbon tetrachloride	ND	ug/kg	5.0
Bromodichloromethane	ND	ug/kg	5.0
1,2-Dichloropropane	ND	ug/kg	5.0
cis-1,3-Dichloropropene	ND	ug/kg	5.0
Trichloroethene	ND	ug/kg	5.0
Dibromochloromethane	ND	ug/kg	5.0
1,1,2-Trichloroethane	ND	ug/kg	5.0
trans-1,3-Dichloropropene	ND	ug/kg	5.0
2-Chloroethyl vinyl ether	ND	ug/kg	5.0
Bromoform	ND	ug/kg	5.0
Tetrachloroethene	ND	ug/kg	5.0
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0
Chlorobenzene	ND	ug/kg	5.0
1,3-Dichlorobenzene	ND	ug/kg	5.0
1,2-Dichlorobenzene	ND	ug/kg	5.0
1,4-Dichlorobenzene	ND	ug/kg	5.0

Test: 8020-S
Matrix: SOLID
QC Run: 10 APR 96-AFX

Method 8020 - Aromatic Volatile Organics

Date Analyzed: 10 APR 96

Analyte	Result	Units	Reporting Limit
Benzene	ND	ug/kg	5.0
Toluene	ND	ug/kg	5.0
Chlorobenzene	ND	ug/kg	5.0
Ethylbenzene	ND	ug/kg	5.0
Xylenes (total)	ND	ug/kg	5.0
1,3-Dichlorobenzene	ND	ug/kg	5.0
1,4-Dichlorobenzene	ND	ug/kg	5.0
1,2-Dichlorobenzene	ND	ug/kg	5.0

ND = Not Detected

Appendix C10

Quanterra
Environmental Services

Quanterra Incorporated
1721 South Grand Avenue
Santa Ana, California 92705

714 258-8610 Telephone
714 258-0921 Fax

April 19, 1996

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

LIMS NO.: 117984-0001/0004
DATE SAMPLED: 05-APR-1996
DATE SAMPLE REC'D: 05-APR-1996
PROJECT: 954019.00/DAC

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 metals data were provided on April 12, 1996 at 11:10 A.M. 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. Velasquez

Project Manager

cc: Project File

BOE-C6-0077966

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.

TABLE OF CONTENTS

LIMS # 117984

Cover Letter 1

LIMS Report Key 2

Table of Contents 3

Narrative 4

Chain-of-Custody Records and Sample Description Information

Analytical Results Summary (LIMS Report)

A. LIMS Datasheets
B. QC Summaries

Quanterra Environmental Services

CASE NARRATIVE

LIMS # 117984

I. CONDITION UPON RECEIPT

Cooler was received intact. The temperature of the cooler was 4.3°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. METALS (BY METHOD: SW6010; SW7000 Series)

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

METHOD BLANK
Please note, the metals prep blank (10-APR-96-CX) yielded a value for zinc of 2.3 mg/kg, which is slightly above its reporting limit of 2.0 mg/kg. All associated samples yielded values of 20 times greater than that in the method blank; therefore, the data was released and reported without further corrective action. All other method blank data met method- and/or project-specific QC criteria.

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.

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

III. 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.

KENNEDY/JENKS CONSULTANTS

114784

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
☐ 5190 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 1600								Comment/Conditions (Container type, container number, etc.)
	10A-2	4/5/96		S	2'		ice	Norm									2x6" Brass Sleave
	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	Shane Scrimshire	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.C. Goblirsch	D.C. GOBLIRSCH	ATD	4-5-96	1546
D.C. GOBLIRSCH	D.C. Goblirsch	ATD	4-5-96	1720
MINH NGUYEN	[signature]	Quanterra	4/5/96	1720

\MISC\CUSTODY2.FRM

000065.06

BOE-C6-0077970

Quanterra
Environmental Services

SAMPLE DESCRIPTION INFORMATION
for
Kennedy/Jenks Consultants

Lab ID	Client ID	Matrix	Sampled Date	Sampled Time	Received Date
117984-0001-SA	10A-2	SOIL	05 APR 96		05 APR 96
117984-0002-SA	10A-5	SOIL	05 APR 96		05 APR 96
117984-0003-SA	10B-2	SOIL	05 APR 96		05 APR 96
117984-0004-SA	10B-5	SOIL	05 APR 96		05 APR 96

Quanterra
Environmental Services

CAM METALS
TTLC (Total)

Client Name: Kennedy/Jenks Consultants
Client ID: 10A-2
LAB ID: 117984-0001-SA
Matrix: SOIL
Authorized: 06 APR 96

Sampled: 05 APR 96
Prepared: See Below

Received: 05 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	49.2		1.0	20.0	mg/kg	SW6010	10 APR 96	11 APR 96
Beryllium	ND		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	21.0		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Cobalt	5.5		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Copper	14.0		1.0	2.5	mg/kg	SW6010	10 APR 96	11 APR 96
Lead	7.3		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	12.8		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	24.7		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Zinc	70.5	B	1.0	2.0	mg/kg	SW6010	10 APR 96	11 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	06 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: 10A-5
LAB ID: 117984-0002-SA
Matrix: SOIL
Authorized: 06 APR 96

Sampled: 05 APR 96
Prepared: See Below

Received: 05 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	127		1.0	20.0	mg/kg	SW6010	10 APR 96	11 APR 96
Beryllium	0.68		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	27.5		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Cobalt	12.8		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Copper	21.2		1.0	2.5	mg/kg	SW6010	10 APR 96	11 APR 96
Lead	5.7		1.0	0.30	mg/kg	SW6010	10 APR 96	11 APR 96
Mercury	0.064		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	17.9		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	46.8		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Zinc	57.3	B	1.0	2.0	mg/kg	SW6010	10 APR 96	11 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	06 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: 10B-2
LAB ID: 117984-0003-SA
Matrix: SOIL
Authorized: 06 APR 96

Sampled: 05 APR 96
Prepared: See Below

Received: 05 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	17.5		1.0	10.0	mg/kg	SW6010	10 APR 96	11 APR 96
Barium	120		1.0	20.0	mg/kg	SW6010	10 APR 96	11 APR 96
Beryllium	0.59		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	26.0		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Cobalt	14.4		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Copper	21.5		1.0	2.5	mg/kg	SW6010	10 APR 96	11 APR 96
Lead	7.6		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	17.4		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	46.6		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Zinc	72.6	B	1.0	2.0	mg/kg	SW6010	10 APR 96	11 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	06 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: 10B-5
LAB ID: 117984-0004-SA
Matrix: SOIL
Authorized: 06 APR 96

Sampled: 05 APR 96
Prepared: See Below

Received: 05 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	139		1.0	20.0	mg/kg	SW6010	10 APR 96	11 APR 96
Beryllium	0.68		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	28.2		1.0	0.50	mg/kg	SW6010	10 APR 96	11 APR 96
Cobalt	15.6		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Copper	19.6		1.0	2.5	mg/kg	SW6010	10 APR 96	11 APR 96
Lead	5.7		1.0	0.30	mg/kg	SW6010	10 APR 96	11 APR 96
Mercury	0.076		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	19.7		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	52.9		1.0	5.0	mg/kg	SW6010	10 APR 96	11 APR 96
Zinc	58.1	B	1.0	2.0	mg/kg	SW6010	10 APR 96	11 APR 96
Chromium, Hexavalent	ND		1.0	0.10	mg/kg	SW7196	06 APR 96	06 APR 96

B = Compound is also detected in the blank.
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)
117984-0001-SA	SOLID	ICP-S		10 APR 96-CX	10 APR 96-CA
117984-0001-SA	SOLID	HG-CVAA-S		10 APR 96-IX	10 APR 96-IA
117984-0002-SA	SOLID	ICP-S		10 APR 96-CX	10 APR 96-CA
117984-0002-SA	SOLID	HG-CVAA-S		10 APR 96-IX	10 APR 96-IA
117984-0003-SA	SOLID	ICP-S		10 APR 96-CX	10 APR 96-CA
117984-0003-SA	SOLID	HG-CVAA-S		10 APR 96-IX	10 APR 96-IA
117984-0004-SA	SOLID	ICP-S		10 APR 96-CX	10 APR 96-CA
117984-0004-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: 117984

Category: ICP-S ICP Metals
Matrix: SOLID
QC Run: 10 APR 96-CX
Concentration Units: mg/kg

Date Analyzed: 10 APR 96

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
QC Run: 10 APR 96-IX
Concentration Units: mg/kg

Date Analyzed: 11 APR 96

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: 117984

Category: ICP-S ICP Metals
Matrix: SOLID
Sample: 117948-0001
MS Run: 10 APR 96-CA
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	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: 117979-0002
MS Run: 10 APR 96-IA
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	0.815	0.830	0.750	109	111	1.8	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: 117984

Test: ICPT-CAM-S
Matrix: SOLID
QC Run: 10 APR 96-CX

Method 6010 - CAM TTLC Metals

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
Matrix: SOLID
QC Run: 10 APR 96-IX

Method 7471 - Mercury, Cold Vapor AA

Date Analyzed: 11 APR 96

Analyte	Result	Units	Reporting Limit
Mercury	ND	mg/kg	0.040

ND = Not Detected

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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)
117984-0001-SA	SOLID	CR6-S		06 APR 96-AX	05 APR 96-AA
117984-0002-SA	SOLID	CR6-S		06 APR 96-AX	05 APR 96-AA
117984-0003-SA	SOLID	CR6-S		06 APR 96-AX	05 APR 96-AA
117984-0004-SA	SOLID	CR6-S		06 APR 96-AX	05 APR 96-AA

Quanterra
Environmental Services

LABORATORY CONTROL SAMPLE REPORT
Wet Chemistry Analysis and Preparation
Project: 117984

Category: CR6-S Method 7196 - Chromium, Hexavalent
Matrix: SOLID Date Analyzed: 06 APR 96
QC Run: 06 APR 96-AX
Concentration Units: mg/kg

Analyte	Concentration Spiked	Concentration Measured	Accuracy(%) LCS	Accuracy(%) Limits
Chromium, Hexavalent	0.250	0.240	96	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: 117984

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: 117984

Test: CR6-S
Matrix: SOLID
QC Run: 06 APR 96-AX

Method 7196 - Chromium, Hexavalent

Date Analyzed: 06 APR 96

Analyte	Result	Units	Reporting Limit
Chromium, Hexavalent	ND	mg/kg	0.10

ND = Not Detected