

**Volume II of II
Additional Remedial Investigation and
Third Quarter 1998 Monitoring Report
At
Coliseum Way Properties
750-50th Avenue and
5050, 5051 and 5200 Coliseum Way
Oakland, California**

**For
Millennium Holdings Inc.**

Clayton Project No. 70-97203.00.201

November 5, 1998

ENVIRONMENTAL
PROTECTION
98 NOV -6 AM 9:56

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APPENDIX H
CERTIFIED ANALYTICAL DATA SHEETS

San Francisco Regional Office

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(925) 426-2600
Fax (925) 426-0106

Clayton
LABORATORY
SERVICES

July 22, 1998

Mr. Don Ashton
CLAYTON ENVIRONMENTAL CONS.
1252 Quarry Lane
Pleasanton, CA 94566

Client Ref.: 70-97203.00.202²⁰¹
Clayton Project No.: 98071.41

Dear Mr. Ashton:

Attached is our analytical laboratory report for the samples received on July 14, 1998. Also enclosed is a copy of the Chain-of-Custody record acknowledging receipt of these samples.

Please note that any unused portion of the samples will be discarded after August 21, 1998, unless you have requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Client Services at (510) 426-2657.

Sincerely,



Patricia Flynn
Client Services Representative
San Francisco Regional Office

PVF/pvf

Attachments

California DHS ELAP Certification Number 1196

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98071.41

Sample Identification:	CSB-9 @ 25'	Date Sampled:	07/14/98
Lab Number:	9807141-01A	Date Received:	07/14/98
Sample Matrix/Media:	WATER	Date Extracted:	07/16/98
Extraction Method:	EPA 3510	Date Analyzed:	07/17/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
TPH-Diesel	--	ND	400
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
p-Terphenyl	92-94-4	123	50 - 150

ND: Not detected at or above limit of detection

---: Information not available or not applicable

Detection limits increased due to limited sample volume.

TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.

Diesel detection limit increased due to presence of unknown hydrocarbons.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98071.41

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9807141-02A	Date Received:	--
Sample Matrix/Media:	WATER	Date Extracted:	07/16/98
Extraction Method:	EPA 3510	Date Analyzed:	07/17/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
TPH-Diesel	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	121	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98071.41

Sample Identification: CSB-9 @ 25'	Date Sampled: 07/14/98
Lab Number: 9807141-01B	Date Received: 07/14/98
Sample Matrix/Media: WATER	Date Prepared: 07/20/98
Preparation Method: EPA 5030	Date Analyzed: 07/20/98
Method Reference: EPA 8015/8020	Analyst: FHK

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>			
		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	89	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98071.41

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9807141-02A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	07/20/98
Preparation Method:	EPA 5030	Date Analyzed:	07/20/98
Method Reference:	EPA 8015/8020	Analyst:	FHK

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>			
a,a,a-Trifluorotoluene	98-08-8	96	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98071.41

Sample Identification: CSB-9 @ 25'
Lab Number: 9807141-01
Sample Matrix/Media: WATER

Date Sampled: 07/14/98
Date Received: 07/14/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	0.11	0.05	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.19	0.01	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	0.009	0.005	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Chloride	13000	0.1	mg/L	--	07/15/98	--	EPA 300.0
Chromium, dissolved	<0.01	0.01	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	0.11	0.01	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	07/17/98	06/17/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	0.01	0.01	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Nickel, dissolved	0.35	0.02	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	28000	10	mg/L	--	07/16/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.05	0.01	mg/L	--	07/18/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98071.41

Sample Identification: METHOD BLANK
Lab Number: 9807141-02
Sample Matrix/Media: WATER

Date Sampled: --
Date Received: --

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Barium, dissolved	<0.01	0.01	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Chloride	<0.1	0.1	mg/L	--	07/15/98	--	EPA 300.0
Chromium, dissolved	<0.01	0.01	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	07/17/98	06/17/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	<10	10	mg/L	--	07/15/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	--	07/18/98	EPA 200.7	EPA 200.7
Zinc, dissolved	<0.01	0.01	mg/L	--	07/18/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Clayton

LABORATORY SERVICES

REQUEST FOR LABORATORY ANALYTICAL SERVICES

9807141

Page 1 of 1

IMPORTANT

Date Results Requested: *8/10/98* *(see Marc)* *Today*

Rush Charges Authorized? Yes No

Phone or Fax Results

For Clayton Use Only
Clayton Lab Project No.

REPORT RESULTS TO

Name: *Don Ashton*
Company:
Mailing Address:
City, State, Zip:
Telephone No.: FAX No.:

Client Job No. *COLESIUM*
70-9-203, 00, 202
Dept.:

SEND INVOICE TO

SEND INVOICE TO

Name:
Company:
Address:
City, State, Zip:

Special instructions and/or specific regulatory requirements: (method, limit of detection, etc.)
FILTER + PRESERVE METALS
TALK TO DON ABOUT ORDER OF ANALYSES

Explanation of Preservative:
ANALYSES

Samples are: (check if applicable)

Drinking Water
 Groundwater
 Wastewater

ANALYSIS REQUESTED
(Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative needed.)

TPH-D *TPH-G/BTEX* *CAM-17* *CHLORIDES* *PHATES + PRESERVE METALS* *NO FILTER / PRESERVE METALS* *ENTER METALS SAMPLE*

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	TPH-D	TPH-G/BTEX	CAM-17	CHLORIDES	PHATES + PRESERVE METALS	NO FILTER / PRESERVE METALS	ENTER METALS SAMPLE	FOR LAB USE ONLY
<i>CSB-9 @ 25'</i>	<i>7/14/98</i>		<i>GW</i>	<i>5L</i>		X	X	X	X	X	X		
<i>LIMITED SAMPLE VOLUME</i>													

CHAIN OF CUSTODY

Collected by: *MARC MULLANEY* (print)
Relinquished by: *Marc Mullaney*
Relinquished by:
Method of Shipment:

Date/Time *7/14/98 12:50*
Date/Time

Authorized by: _____ Date _____
(Client Signature MUST Accompany Request)

Collector's Signature: *Marc Mullaney*
Received by: *Alma Procter*
Received by:
Received at Lab by:
Sample Condition Upon Receipt: Acceptable Other (explain)

Date/Time
Date/Time *7/14/98 1:30*
Date/Time

Please return completed form and samples to one of the Clayton Group Services, Inc. labs listed below:

<p>Detroit Regional Lab 22345 Roethel Drive Novi, MI 48375 (800) 806-5887 (248) 344-1770 FAX (248) 344-2655</p>	<p>Atlanta Regional Lab 400 Chastain Center Blvd., N.W., Suite 490 Kennesaw, GA 30144 (800) 252-9919 (770) 499-7500 FAX (770) 423-4990</p>	<p>San Francisco Regional Lab 1252 Quarry Lane Pleasanton, CA 94566 (800) 294-1755 (510) 426-2657 FAX (510) 426-0108</p>	<p>Seattle Regional Lab 4636 E. Marginal Way S., Suite 215 Seattle, WA 98134 (800) 568-7755 (206) 763-7364 FAX (206) 763-4189</p>
--	---	---	--

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Pink = Client Copy

9/9/2006

San Francisco Regional Office

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(925) 426-2600
Fax (925) 426-0106

Clayton
LABORATORY
SERVICES

July 23, 1998

Mr. Don Ashton
CLAYTON ENVIRONMENTAL CONS.
1252 Quarry Lane
Pleasanton, CA 94566

FINAL REPORT
Client Ref.: 70-97203.00.202²⁰¹
Clayton Project No.: 98071.75

Dear Mr. Ashton:

Attached is our partial analytical laboratory report for the samples received on July 16, 1998. Also enclosed is a copy of the Chain-of-Custody record acknowledging receipt of these samples.

Please note that any unused portion of the samples will be discarded after August 22, 1998, unless you have requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Client Services at (510) 426-2687.

Sincerely,



Karen Dahl
Client Services Representative
San Francisco Regional Office

ACB/kmd

Attachments

California DHS ELAP Certification Number 1196

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98071.75

Sample Identification: CSB-9@36	Date Sampled: 07/14/98
Lab Number: 9807175-01C	Date Received: 07/16/98
Sample Matrix/Media: WATER	Date Extracted: 07/16/98
Extraction Method: EPA 3510	Date Analyzed: 07/18/98
Method Reference: EPA 8015 (Modified)	Analyst: DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	ND	50
TPH-Diesel	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	105	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons, that appear to match the typical diesel pattern from C10 to C20 quantitated as diesel.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98071.75

Sample Identification: CSB-9@47	Date Sampled: 07/14/98
Lab Number: 9807175-02C	Date Received: 07/16/98
Sample Matrix/Media: WATER	Date Extracted: 07/16/98
Extraction Method: EPA 3510	Date Analyzed: 07/18/98
Method Reference: EPA 8015 (Modified)	Analyst: DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	80	50
TPH-Diesel	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	110	50 - 150

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.

TPH-D = Extractable hydrocarbons, that appear to match the typical diesel pattern from C10 to C20 quantitated as diesel.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98071.75

Sample Identification: CSB-8@45	Date Sampled: 07/14/98
Lab Number: 9807175-03C	Date Received: 07/16/98
Sample Matrix/Media: WATER	Date Extracted: 07/16/98
Extraction Method: EPA 3510	Date Analyzed: 07/18/98
Method Reference: EPA 8015 (Modified)	Analyst: DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	ND	50
TPH-Diesel	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	105	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons, that appear to match the typical diesel pattern from C10 to C20
quantitated as diesel.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98071.75

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9807175-05A	Date Received:	--
Sample Matrix/Media:	WATER	Date Extracted:	07/16/98
Extraction Method:	EPA 3510	Date Analyzed:	07/17/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	ND	50
TPH-Diesel	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	121	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons, that appear to match the typical diesel pattern from C10 to C20 quantitated as diesel.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98071.75

Sample Identification: CSB-9@36	Date Sampled: 07/14/98
Lab Number: 9807175-01A	Date Received: 07/16/98
Sample Matrix/Media: WATER	Date Prepared: 07/20/98
Preparation Method: EPA 5030	Date Analyzed: 07/20/98
Method Reference: EPA 8015/8020	Analyst: FHK

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	0.3	0.3
Toluene	108-88-3	0.6	0.3
o-Xylene	95-47-6	0.5	0.4
p,m-Xylenes	--	1.3	0.4
Gasoline	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	95	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98071.75

Sample Identification:	CSB-9@47	Date Sampled:	07/14/98
Lab Number:	9807175-02A	Date Received:	07/16/98
Sample Matrix/Media:	WATER	Date Prepared:	07/20/98
Preparation Method:	EPA 5030	Date Analyzed:	07/20/98
Method Reference:	EPA 8015/8020	Analyst:	FHK

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	93	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98071.75

Sample Identification:	CSB-8@45	Date Sampled:	07/14/98
Lab Number:	9807175-03A	Date Received:	07/16/98
Sample Matrix/Media:	WATER	Date Prepared:	07/20/98
Preparation Method:	EPA 5030	Date Analyzed:	07/20/98
Method Reference:	EPA 8015/8020	Analyst:	FHK

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>			
		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	94	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98071.75

Sample Identification:	CSB-8@25	Date Sampled:	07/14/98
Lab Number:	9807175-04A	Date Received:	07/16/98
Sample Matrix/Media:	WATER	Date Prepared:	07/20/98
Preparation Method:	EPA 5030	Date Analyzed:	07/20/98
Method Reference:	EPA 8015/8020	Analyst:	FHK

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>			
		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	107	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98071.75

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9807175-05A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	07/20/98
Preparation Method:	EPA 5030	Date Analyzed:	07/20/98
Method Reference:	EPA 8015/8020	Analyst:	FHK

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	96	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98071.75

Sample Identification: CSB-9@36
Lab Number: 9807175-01
Sample Matrix/Media: WATER

Date Sampled: 07/14/98
Date Received: 07/16/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	0.08	0.05	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.45	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	0.013	0.005	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Chloride	19000	2	mg/L	--	07/16/98	--	EPA 300.0
Chromium, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	0.04	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	07/17/98	06/17/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	35000	10	mg/L	--	07/16/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.14	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
pH	6.7	--	S.U.	--	07/15/98	--	EPA 150.1

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98071.75

Sample Identification: CSB-9@47
Lab Number: 9807175-02
Sample Matrix/Media: WATER

Date Sampled: 07/14/98
Date Received: 07/16/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	0.08	0.05	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.56	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	0.01	0.005	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Chloride	14000	2	mg/L	--	07/16/98	--	EPA 300.0
Chromium, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	0.05	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	07/17/98	06/17/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Nickel, dissolved	0.15	0.02	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	26000	10	mg/L	--	07/16/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.15	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
pH	6.6	--	S.U.	--	07/15/98	--	EPA 150.1

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98071.75

Sample Identification: CSB-8@45
Lab Number: 9807175-03
Sample Matrix/Media: WATER

Date Sampled: 07/14/98
Date Received: 07/16/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	0.03	0.03	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	0.09	0.05	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.52	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	0.008	0.005	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Chloride	7400	2	mg/L	--	07/16/98	--	EPA 300.0
Chromium, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	0.07	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	07/17/98	06/17/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	15000	10	mg/L	--	07/16/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.04	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
pH	6.5	--	S.U.	--	07/15/98	--	EPA 150.1

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98071.75

Sample Identification: CSB-8@25
Lab Number: 9807175-04
Sample Matrix/Media: WATER

Date Sampled: 07/14/98
Date Received: 07/16/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	0.10	0.05	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.51	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	0.013	0.005	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Chloride	12000	2	mg/L	--	07/16/98	--	EPA 300.0
Chromium, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	0.04	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	07/17/98	06/17/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	25000	10	mg/L	--	07/16/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.11	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
pH	7.1	--	S.U.	--	07/15/98	--	EPA 150.1

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98071.75

Sample Identification: METHOD BLANK
Lab Number: 9807175-05
Sample Matrix/Media: WATER

Date Sampled: --
Date Received: --

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Barium, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Chloride	<2	2	mg/L	--	07/16/98	--	EPA 300.0
Chromium, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	07/17/98	06/17/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	<10	10	mg/L	--	07/16/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7
Zinc, dissolved	<0.01	0.01	mg/L	07/22/98	07/23/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Clayton

LABORATORY SERVICES

REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT

Date Results Requested: 5 DAY
 Rush Charges Authorized? Yes No
 Phone or Fax Results

Page 1 of 1
 For Clayton Use Only
 Clayton Lab Project No.
9807175

REPORT RESULTS TO

Name: DON ASHTON
 Company: _____
 Mailing Address: _____
 City, State, Zip: _____
 Telephone No.: _____ FAX No.: _____

Client Job No. 70-97203, 00, 202
 Dept.: _____

SEND INVOICE TO

Name: _____
 Company: _____
 Address: _____
 City, State, Zip: _____

Purchase Order No.: _____

Special instructions and/or specific regulatory requirements:
 (method, limit of detection, etc.)
40 ml HCl
12 gl = Mcl
500 = HNO3
 * Explanation of Preservative

Samples are:
 (check if applicable)
 Drinking Water
 Groundwater
 Wastewater

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)
<u>CSB-9 @ 36</u>	<u>7/14/99</u>	<u>0800</u>	<u>GW</u>	<u>2-1/2 gal</u>
<u>CSB-9 @ 47'</u>		<u>0900</u>		<u>2-1/2 gal</u>
<u>CSB-8 @ 45'</u>		<u>1220</u>		
<u>CSB-8 @ 25'</u>	<u>✓</u>	<u>1230</u>	<u>✓</u>	<u>2x 500 ml</u>

ANALYSIS REQUESTED
 (Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative Added.)

Handwritten notes: TING/BTEX, TPH, PH/TDS/CHLORIDE, CAM-17, FILTER + PRESERVE, METAL, FILTER + PRESERVE + HOLD EXTRA SAMPLE, METAL CONT.

Number of Containers	TING/BTEX	TPH	PH/TDS/CHLORIDE	CAM-17	FILTER + PRESERVE	METAL	FILTER + PRESERVE + HOLD EXTRA SAMPLE	METAL CONT.	FOR LAB USE ONLY
7	X	X	X	X	X	X			
7	X	X	X	X	X	X			
7	X	X	X	X	X	X			
4	X		X	X	X	X	X		

CHAIN OF CUSTODY

Collected by: MARC MULLANEY (print)
 Relinquished by: Marc Mullaney
 Date/Time: 7/15/98
 Relinquished by: _____
 Date/Time: _____
 Method of Shipment: _____

Authorized by: _____ Date: _____
 (Client Signature MUST Accompany Request)

Collector's Signature: Marc Mullaney
 Received by: _____ Date/Time: _____
 Received by: _____ Date/Time: _____
 Received at Lab by: [Signature] Date/Time: 7/16/98
 Sample Condition Upon Receipt: Acceptable Other (explain) 9:45

Please return completed form and samples to one of the Clayton Group Services, Inc. labs listed below:

Detroit Regional Lab
 22345 Roethel Drive
 Novi, MI 48375
 (800) 806-5887
 (248) 344-1770
 FAX (248) 344-2655

Atlanta Regional Lab
 400 Chastain Center Blvd., N.W., Suite 490
 Kennesaw, GA 30144
 (800) 252-9919
 (770) 499-7500
 FAX (770) 423-4990

San Francisco Regional Lab
 1252 Quarry Lane
 Pleasanton, CA 94566
 (800) 294-1755
 (510) 426-2657
 FAX (510) 426-0106

Seattle Regional Lab
 4636 E. Marginal Way S., Suite 215
 Seattle, WA 98134
 (800) 568-7755
 (206) 763-7364
 FAX (206) 763-4189

DISTRIBUTION:
 White = Clayton Laboratory
 Yellow = Clayton Accounting
 Pink = Client Copy

San Francisco Regional Office

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(925) 426-2600
Fax (925) 426-0106

Clayton
LABORATORY
SERVICES

August 4, 1998

Don Ashton
CLAYTON ENVIRONMENTAL CONS.
1252 Quarry Lane
Pleasanton, CA 94566

FINAL REPORT
Client Ref.: Coliseum Way 70-
Clayton Project No.: 98072.86

Dear Don Ashton:

Attached is our final analytical laboratory report for the samples received on July 23, 1998. Also enclosed is a copy of the Chain-of-Custody record acknowledging receipt of these samples.

Please note that any unused portion of the samples will be discarded after September 2, 1998, unless you have requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Client Services at (510) 426-2657.

Sincerely,



Patricia Flynn
Client Services Representative
San Francisco Regional Office

PVF/pvf

Attachments

California DHS ELAP Certification Number 1196

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: Coliseum Way 70-97203.00.202
Clayton Project No. 98072.86

Sample Identification: CW-13@5'	Date Sampled: 07/23/98
Lab Number: 9807286-02A	Date Received: 07/23/98
Sample Matrix/Media: SOIL	Date Extracted: 07/27/98
Extraction Method: EPA 3510	Date Analyzed: 07/30/98
Method Reference: EPA 8015 (Modified)	Analyst: DTT

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Total Extractables</u>			
TPH-Diesel	--	ND	5
TPH-Oil	--	64	8
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	86	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Diesel detection limit increased due to presence of unknown hydrocarbons.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.
Note: Detection limits increased due to dilution necessary for quantitation.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: Coliseum Way 70-97203.00.202
Clayton Project No. 98072.86

Sample Identification: CW-8@5'	Date Sampled: 07/23/98
Lab Number: 9807286-04A	Date Received: 07/23/98
Sample Matrix/Media: SOIL	Date Extracted: 07/27/98
Extraction Method: EPA 3510	Date Analyzed: 07/30/98
Method Reference: EPA 8015 (Modified)	Analyst: DTT

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Total Extractables</u>			
TPH-Diesel	--	ND	30
TPH-Oil	--	270	40
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
p-Terphenyl	92-94-4	77	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Diesel detection limit increased due to presence of unknown hydrocarbons.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.
Note: Detection limits increased due to dilution necessary for quantitation.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: Coliseum Way 70-97203.00.202
Clayton Project No. 98072.86

Sample Identification: CW-9@5'	Date Sampled: 07/23/98
Lab Number: 9807286-08A	Date Received: 07/23/98
Sample Matrix/Media: SOIL	Date Extracted: 07/27/98
Extraction Method: EPA 3510	Date Analyzed: 07/30/98
Method Reference: EPA 8015 (Modified)	Analyst: DTT

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Total Extractables</u>			
TPH-Diesel	--	ND	30
TPH-Oil	--	490	80
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	79	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Diesel detection limit increased due to presence of unknown hydrocarbons.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.
Note: Detection limits increased due to dilution necessary for quantitation.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: Coliseum Way 70-97203.00.202
Clayton Project No. 98072.86

Sample Identification: CSB-3@5'	Date Sampled: 07/23/98
Lab Number: 9807286-12A	Date Received: 07/23/98
Sample Matrix/Media: SOIL	Date Extracted: 07/27/98
Extraction Method: EPA 3510	Date Analyzed: 07/30/98
Method Reference: EPA 8015 (Modified)	Analyst: DTT

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Total Extractables</u>			
TPH-Diesel	--	ND	4
TPH-Oil	--	18	4
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	89	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Diesel detection limit increased due to presence of unknown hydrocarbons.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: Coliseum Way 70-97203.00.202
Clayton Project No. 98072.86

Sample Identification: METHOD BLANK	Date Sampled: --
Lab Number: 9807286-14A	Date Received: --
Sample Matrix/Media: SOIL	Date Extracted: 07/27/98
Extraction Method: EPA 3510	Date Analyzed: 07/30/98
Method Reference: EPA 8015 (Modified)	Analyst: DTT

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Total Extractables</u>			
TPH-Diesel	--	ND	1
TPH-Oil	--	ND	4
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	90	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: Coliseum Way 70-97203.00.202
Clayton Project No. 98072.86

Sample Identification: CSB-3	Date Sampled: 07/23/98
Lab Number: 9807286-01D	Date Received: 07/23/98
Sample Matrix/Media: WATER	Date Extracted: 07/25/98
Extraction Method: EPA 3510	Date Analyzed: 07/29/98
Method Reference: EPA 8015 (Modified)	Analyst: DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
TPH-Diesel	--	ND	300
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
p-Terphenyl	92-94-4	117	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.
* Surrogate diluted out

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: Coliseum Way 70-97203.00.202
Clayton Project No. 98072.86

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9807286-13A	Date Received:	--
Sample Matrix/Media:	WATER	Date Extracted:	07/25/98
Extraction Method:	EPA 3510	Date Analyzed:	07/29/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
TPH-Diesel	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
p-Terphenyl	92-94-4	86	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: Coliseum Way 70-97203.00.202
Clayton Project No. 98072.86

Sample Identification: CW-13@5'	Date Sampled: 07/23/98
Lab Number: 9807286-02A	Date Received: 07/23/98
Sample Matrix/Media: SOIL	Date Prepared: 07/28/98
Preparation Method: EPA 5030	Date Analyzed: 07/29/98
Method Reference: EPA 8015/8020	Analyst: ASC

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	ND	0.005
p,m-Xylenes	--	ND	0.005
Gasoline	--	ND	0.3

<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	105	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: Coliseum Way 70-97203.00.202
Clayton Project No. 98072.86

Sample Identification: CW-8@5'	Date Sampled: 07/23/98
Lab Number: 9807286-04A	Date Received: 07/23/98
Sample Matrix/Media: SOIL	Date Prepared: 07/28/98
Preparation Method: EPA 5030	Date Analyzed: 08/01/98
Method Reference: EPA 8015/8020	Analyst: ASC

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	ND	0.005
p,m-Xylenes	--	ND	0.005
Gasoline	--	ND	0.3
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	91	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: Coliseum Way 70-97203.00.202
Clayton Project No. 98072.86

Sample Identification: CW-9@5'	Date Sampled: 07/23/98
Lab Number: 9807286-08A	Date Received: 07/23/98
Sample Matrix/Media: SOIL	Date Prepared: 07/28/98
Preparation Method: EPA 5030	Date Analyzed: 08/03/98
Method Reference: EPA 8015/8020	Analyst: ASC

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	ND	0.005
p,m-Xylenes	--	ND	0.005
Gasoline	--	0.6	0.3

<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	109	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: Coliseum Way 70-97203.00.202
Clayton Project No. 98072.86

Sample Identification: CSB-3@5'	Date Sampled: 07/23/98
Lab Number: 9807286-12A	Date Received: 07/23/98
Sample Matrix/Media: SOIL	Date Prepared: 07/28/98
Preparation Method: EPA 5030	Date Analyzed: 08/01/98
Method Reference: EPA 8015/8020	Analyst: ASC

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	ND	0.005
p,m-Xylenes	--	ND	0.005
Gasoline	--	ND	0.3
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	105	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: Coliseum Way 70-97203.00.202
Clayton Project No. 98072.86

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9807286-14A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Prepared:	07/28/98
Preparation Method:	EPA 5030	Date Analyzed:	07/31/98
Method Reference:	EPA 8015/8020	Analyst:	ASC

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	ND	0.005
p,m-Xylenes	--	ND	0.005
Gasoline	--	ND	0.3
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	113	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: Coliseum Way 70-97203.00.202
Clayton Project No. 98072.86

Sample Identification: CSB-3	Date Sampled: 07/23/98
Lab Number: 9807286-01A	Date Received: 07/23/98
Sample Matrix/Media: WATER	Date Prepared: 07/31/98
Preparation Method: EPA 5030	Date Analyzed: 07/31/98
Method Reference: EPA 8015/8020	Analyst: ASC

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	0.5	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	0.8	0.4
Gasoline	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	96	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: Coliseum Way 70-97203.00.202
Clayton Project No. 98072.86

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9807286-13A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	07/31/98
Preparation Method:	EPA 5030	Date Analyzed:	08/03/98
Method Reference:	EPA 8015/8020	Analyst:	ASC

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	109	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: Coliseum Way 70-97203.00.202
Clayton Project No. 98072.86

Sample Identification: CSB-3
Lab Number: 9807286-01
Sample Matrix/Media: WATER

Date Sampled: 07/23/98
Date Received: 07/23/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Antimony, dissolved	<0.03	0.03	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.20	0.01	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Chloride	4100	2	mg/L	--	07/28/98	--	EPA 300.0
Chromium, dissolved	<0.01	0.01	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	07/27/98	07/27/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	9300	10	mg/L	--	07/28/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.03	0.01	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
pH	7.9	--	S.U.	--	07/23/98	--	EPA 150.1

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: Coliseum Way 70-97203.00.202
Clayton Project No. 98072.86

Sample Identification: CW-13@5'
Lab Number: 9807286-02
Sample Matrix/Media: SOIL

Date Sampled: 07/23/98
Date Received: 07/23/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Antimony	2	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Arsenic	6.9	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Barium	126	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Chromium	41	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Cobalt	11	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Copper	35	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Lead	24	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Mercury	0.2	0.1	mg/kg	07/27/98	07/27/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Nickel	117	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Thallium	2	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Vanadium	28	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Zinc	103	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: Coliseum Way 70-97203.00.202
Clayton Project No. 98072.86

Sample Identification: CW-8@5'
Lab Number: 9807286-04
Sample Matrix/Media: SOIL

Date Sampled: 07/23/98
Date Received: 07/23/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Antimony	3	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Arsenic	4	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Barium	1400	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Cadmium	0.7	0.4	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Chromium	41	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Cobalt	9	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Copper	52	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Lead	120	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Mercury	0.5	0.1	mg/kg	07/27/98	07/27/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Nickel	45	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Thallium	1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Vanadium	34	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Zinc	220	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: Coliseum Way 70-97203.00.202
Clayton Project No. 98072.86

Sample Identification: CW-9@5'
Lab Number: 9807286-08
Sample Matrix/Media: SOIL

Date Sampled: 07/23/98
Date Received: 07/23/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Antimony	2	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Arsenic	3	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Barium	130	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Chromium	42	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Cobalt	12	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Copper	15	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Lead	24	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Mercury	0.1	0.1	mg/kg	07/27/98	07/27/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Nickel	50	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Thallium	2	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Vanadium	39	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Zinc	62	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: Coliseum Way 70-97203.00.202
Clayton Project No. 98072.86

Sample Identification: CSB-3@5'
Lab Number: 9807286-12
Sample Matrix/Media: SOIL

Date Sampled: 07/23/98
Date Received: 07/23/98

Analyte	Concentration	Method		Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection	Limit					
Antimony	<1	1		mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Arsenic	3	1		mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Barium	9	1		mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1		mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4		mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Chromium	19	1		mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Cobalt	5	1		mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Copper	5	1		mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Lead	3	1		mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1		mg/kg	07/27/98	07/27/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1		mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Nickel	20	1		mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Selenium	<1	1		mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5		mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Thallium	<1	1		mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Vanadium	14	1		mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Zinc	18	1		mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: Coliseum Way 70-97203.00.202
Clayton Project No. 98072.86

Sample Identification: METHOD BLANK
Lab Number: 9807286-13
Sample Matrix/Media: WATER

Date Sampled: --
Date Received: --

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Antimony, dissolved	<0.03	0.03	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Barium, dissolved	<0.01	0.01	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Chloride	<2	2	mg/L	--	07/28/98	--	EPA 300.0
Chromium, dissolved	<0.01	0.01	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	07/27/98	07/27/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	<10	10	mg/L	--	07/28/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7
Zinc, dissolved	<0.01	0.01	mg/L	07/24/98	07/25/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: Coliseum Way 70-97203.00.202
Clayton Project No. 98072.86

Sample Identification: METHOD BLANK
Lab Number: 9807286-14
Sample Matrix/Media: SOIL

Date Sampled: --
Date Received: --

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Antimony	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Arsenic	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Barium	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Chromium	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Cobalt	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Copper	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Lead	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/27/98	07/27/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Nickel	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Thallium	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Vanadium	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Zinc	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Clayton LABORATORY SERVICES

REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT

Date Results Requested: 5 DAY
 Rush Charges Authorized? Yes No
 Phone or Fax Results

For Clayton Use Only
Clayton Lab Project No.

9807286

COLISEUM WAY

REPORT RESULTS TO	Name <u>DON ASHTON</u>	Client Job No. <u>70-97203.00.20</u>	Purchase Order No.
	Company	Dept.	Name
	Mailing Address		Company
	City, State, Zip		Address
	Telephone No.	FAX No.	City, State, Zip

Special instructions and/or specific regulatory requirements:
(method, limit of detection, etc.)

Explanation of Preservative

Samples are:
(check if applicable)

Drinking Water
 Groundwater
 Wastewater

Number of Containers	ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.)							FOR LAB USE ONLY
	TPH6/BTEX	TPH/DIO	TDS/PH	CHLORIDES	2260 (HOLD)	CAM-17	FILTER + PRES	
9	X	X	X	X	X	X	X	
1	X	X					X	
1	X	X					X	
1	X	X					X	
1	X	X					X	
1	X	X					X	
1	X	X					X	
1	X	X					X	
1	X	X					X	

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)
<u>CSB-3</u>	<u>7/23/98</u>	<u>1530</u>	<u>GW</u>	
<u>CW-13 @ 5'</u>			<u>SOIL</u>	
<u>CW-13 @ 12'</u>				
<u>CW-8 @ 5'</u>				
<u>CW-8 @ 11'</u>				
<u>CW-8 @ 16'</u>				
<u>CW-8 @ 20'</u>				
<u>CW-9 @ 5'</u>				
<u>CW-9 @ 10'</u>				
<u>CW-9 @ 15'</u>				

CHAIN OF CUSTODY	Collected by: <u>MARC MULLANEY</u> (print)	Collector's Signature: <u>Marc Mullaney</u>		
	Relinquished by: <u>Marc Mullaney</u>	Date/Time: <u>7/23/98 1750</u>	Received by:	Date/Time:
	Relinquished by:	Date/Time:	Received by:	Date/Time:
	Method of Shipment:	Received at Lab by: <u>Denise Harrington</u>	Date/Time: <u>7/23/98 1750</u>	
Authorized by:	Date:	Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)		

Please return completed form and samples to one of the Clayton Group Services, Inc. labs listed below:

- Detroit Regional Lab**
22345 Roethel Drive
Novi, MI 48375
(800) 806-5887
(248) 344-1770
FAX (248) 344-2655
- Atlanta Regional Lab**
400 Chastain Center Blvd., N.W., Suite 490
Kennesaw, GA 30144
(800) 252-9919
(770) 499-7600
FAX (770) 423-4990
- San Francisco Regional Lab**
1252 Quarry Lane
Pleasanton, CA 94566
(800) 294-1755
(510) 428-2657
FAX (510) 428-0106
- Seattle Regional Lab**
4636 E. Marginal Way S., Suite 215
Seattle, WA 98134
(800) 568-7755
(206) 783-7364
FAX (206) 783-4189

DISTRIBUTION:
 White = Clayton Laboratory
 Yellow = Clayton Accounting
 Pink = Client Copy

REQUEST FOR LABORATORY ANALYTICAL SERVICES

COLISEUM WAY

IMPORTANT

Date Results Requested: 5 DAY
 Rush Charges Authorized? Yes No
 Phone or Fax Results

Page 2 of 2
 For Clayton Use Only
 Clayton Lab Project No.

9807286

REPORT RESULTS TO	Name <u>DOM ASHTON</u>	Client Job No.	Purchase Order No.
	Company	Dept.	Name
	Mailing Address		Company
	City, State, Zip		Address
	Telephone No.	FAX No.	City, State, Zip

SEND INVOICE TO

Special instructions and/or specific regulatory requirements:
 (method, limit of detection, etc.)

Samples are:
 (check if applicable)
 Drinking Water
 Groundwater
 Wastewater

* Explanation of Preservative

ANALYSIS REQUESTED
 (Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.)

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	ANALYSIS REQUESTED										FOR LAB USE ONLY		
						HOLD	TPH D10	TPH G/BTEX	CAM 17									
CW-9 @ 20'	7/23/98		SOIL		1	X												
CSB-3 @ 5'	7/23/98		SOIL		1	X	X	X										

CHAIN OF CUSTODY	Collected by: <u>MARC MULLANEY</u> (print)	Collector's Signature: <u>Marc Mullaney</u>		
	Relinquished by: <u>Marc Mullaney</u>	Date/Time: <u>7/23/98 1750</u>	Received by:	Date/Time:
	Relinquished by:	Date/Time:	Received by:	Date/Time:
	Method of Shipment:	Received at Lab by: <u>Denise Harrington</u>	Date/Time: <u>7/23/98 1750</u>	
Authorized by:	Date:	Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)		

Please return completed form and samples to one of the Clayton Group Services, Inc. labs listed below:

Detroit Regional Lab 22345 Roethel Drive Novi, MI 48375 (800) 806-5867 (248) 344-1770 FAX (248) 344-2655	Atlanta Regional Lab 400 Chastain Center Blvd., N.W., Suite 490 Kennesaw, GA 30144 (800) 252-9919 (770) 499-7500 FAX (770) 423-4990	San Francisco Regional Lab 1252 Quarry Lane Pleasanton, CA 94566 (800) 294-1755 (510) 426-2657 FAX (510) 426-0106	Seattle Regional Lab 4636 E. Marginal Way S., Suite 215 Seattle, WA 98134 (800) 568-7755 (206) 763-7364 FAX (206) 763-4189
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DISTRIBUTION:
 White = Clayton Laboratory
 Yellow = Clayton Accounting
 Pink = Client Copy

San Francisco Regional Office

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(925) 426-2600
Fax (925) 426-0106

Clayton
LABORATORY
SERVICES

August 10, 1998

Mr. Don Ashton
CLAYTON ENVIRONMENTAL CONS.
1252 Quarry Lane
Pleasanton, CA 94566

FINAL REPORT
Client Ref.: 70-97203.00.202
Clayton Project No.: 98073.00

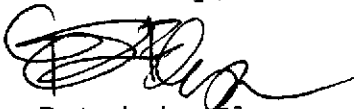
Dear Don Ashton:

Attached is our final analytical laboratory report for the samples received on July 24, 1998. Also enclosed is a copy of the Chain-of-Custody record acknowledging receipt of these samples.

Please note that any unused portion of the samples will be discarded after September 2, 1998, unless you have requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Client Services at (510) 426-2657.

Sincerely,



Patricia Flynn
Laboratory Client Services
San Francisco Regional Office

PVF/pvf

Attachments

California DHS ELAP Certification Number 1196

Clayton Laboratory Services is a Division of Clayton Group Services, Inc.

Atlanta • Boston • Chicago • Cleveland • Danbury • Detroit • Honolulu • Indianapolis • Los Angeles • Miami
Minneapolis • New York • Philadelphia • Portland • Rockford • San Francisco • Savannah • Seattle • Wichita

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98073.00

Sample Identification:	CSB-4@4'	Date Sampled:	07/24/98
Lab Number:	9807300-10A	Date Received:	07/24/98
Sample Matrix/Media:	SOIL	Date Extracted:	07/27/98
Extraction Method:	EPA 3510	Date Analyzed:	07/30/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Total Extractables</u>			
TPH-Diesel	--	ND	5
TPH-Oil	--	46	8
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	82	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Diesel detection limit increased due to presence of unknown hydrocarbons.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.
Note: Detection limits increased due to dilution necessary for quantitation.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98073.00

Sample Identification: CSB-5@4'	Date Sampled: 07/24/98
Lab Number: 9807300-12A	Date Received: 07/24/98
Sample Matrix/Media: SOIL	Date Extracted: 07/27/98
Extraction Method: EPA 3510	Date Analyzed: 07/30/98
Method Reference: EPA 8015 (Modified)	Analyst: DTT

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Total Extractables</u>			
TPH-Diesel	--	ND	3
TPH-Oil	--	36	4
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	88	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Diesel detection limit increased due to presence of unknown hydrocarbons.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98073.00

Sample Identification:	CSB-6@4'	Date Sampled:	07/24/98
Lab Number:	9807300-14A	Date Received:	07/24/98
Sample Matrix/Media:	SOIL	Date Extracted:	07/27/98
Extraction Method:	EPA 3510	Date Analyzed:	07/30/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Total Extractables</u>			
TPH-Diesel	--	ND	2
TPH-Oil	--	12	4
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	95	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Diesel detection limit increased due to presence of unknown hydrocarbons.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98073.00

Sample Identification: METHOD BLANK	Date Sampled: --
Lab Number: 9807300-17A	Date Received: --
Sample Matrix/Media: SOIL	Date Extracted: 07/27/98
Extraction Method: EPA 3510	Date Analyzed: 07/30/98
Method Reference: EPA 8015 (Modified)	Analyst: DTT

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Total Extractables</u>			
TPH-Diesel	--	ND	1
TPH-Oil	--	ND	4
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
p-Terphenyl	92-94-4	90	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98073.00

Sample Identification:	CSB-4	Date Sampled:	07/24/98
Lab Number:	9807300-01G	Date Received:	07/24/98
Sample Matrix/Media:	WATER	Date Extracted:	07/25/98
Extraction Method:	EPA 3510	Date Analyzed:	07/30/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
TPH-Diesel	--	ND	400
TPH-Oil	--	700	200
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	114	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Diesel detection limit increased due to presence of unknown hydrocarbons.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98073.00

Sample Identification:	CSB-5	Date Sampled:	07/24/98
Lab Number:	9807300-02G	Date Received:	07/24/98
Sample Matrix/Media:	WATER	Date Extracted:	07/25/98
Extraction Method:	EPA 3510	Date Analyzed:	07/30/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
TPH-Diesel	--	ND	900
TPH-Oil	--	4100	800
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	90	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Diesel detection limit increased due to presence of unknown hydrocarbons.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.
Note: Detection limits increased due to dilution necessary for quantitation.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98073.00

Sample Identification:	CSB-6	Date Sampled:	07/24/98
Lab Number:	9807300-03G	Date Received:	07/24/98
Sample Matrix/Media:	WATER	Date Extracted:	07/25/98
Extraction Method:	EPA 3510	Date Analyzed:	07/30/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
TPH-Diesel	--	ND	200
TPH-Oil	--	600	200
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	106	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Diesel detection limit increased due to presence of unknown hydrocarbons.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98073.00

Sample Identification: METHOD BLANK	Date Sampled: --
Lab Number: 9807300-16A	Date Received: --
Sample Matrix/Media: WATER	Date Extracted: 07/25/98
Extraction Method: EPA 3510	Date Analyzed: 07/29/98
Method Reference: EPA 8015 (Modified)	Analyst: DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
TPH-Diesel	--	ND	50
TPH-Oil	--	ND	200
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	86	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98073.00

Sample Identification:	CSB-4@4'	Date Sampled:	07/24/98
Lab Number:	9807300-10A	Date Received:	07/24/98
Sample Matrix/Media:	SOIL	Date Prepared:	07/28/98
Preparation Method:	EPA 5030	Date Analyzed:	07/29/98
Method Reference:	EPA 8015/8020	Analyst:	NYN

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	ND	0.005
p,m-Xylenes	--	0.007	0.005
Gasoline	--	0.4	0.3
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	120	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98073.00

Sample Identification: CSB-5@4'	Date Sampled: 07/24/98
Lab Number: 9807300-12A	Date Received: 07/24/98
Sample Matrix/Media: SOIL	Date Prepared: 07/28/98
Preparation Method: EPA 5030	Date Analyzed: 07/29/98
Method Reference: EPA 8015/8020	Analyst: NYN

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	ND	0.005
p,m-Xylenes	--	ND	0.005
Gasoline	--	ND	0.3
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	105	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98073.00

Sample Identification: CSB-6@4'	Date Sampled: 07/24/98
Lab Number: 9807300-14A	Date Received: 07/24/98
Sample Matrix/Media: SOIL	Date Prepared: 07/28/98
Preparation Method: EPA 5030	Date Analyzed: 07/29/98
Method Reference: EPA 8015/8020	Analyst: NYN

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	ND	0.005
p,m-Xylenes	--	ND	0.005
Gasoline	--	ND	0.3
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	112	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98073.00

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9807300-17A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Prepared:	07/28/98
Preparation Method:	EPA 5030	Date Analyzed:	07/31/98
Method Reference:	EPA 8015/8020	Analyst:	NYN

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	ND	0.005
p,m-Xylenes	--	ND	0.005
Gasoline	--	ND	0.3
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	113	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98073.00

Sample Identification:	CSB-4	Date Sampled:	07/24/98
Lab Number:	9807300-01A	Date Received:	07/24/98
Sample Matrix/Media:	WATER	Date Prepared:	08/05/98
Preparation Method:	EPA 5030	Date Analyzed:	08/05/98
Method Reference:	EPA 8015/8020	Analyst:	ASC

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	0.3	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	104	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98073.00

Sample Identification:	CSB-5	Date Sampled:	07/24/98
Lab Number:	9807300-02A	Date Received:	07/24/98
Sample Matrix/Media:	WATER	Date Prepared:	08/05/98
Preparation Method:	EPA 5030	Date Analyzed:	08/05/98
Method Reference:	EPA 8015/8020	Analyst:	ASC

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	0.3	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	0.7	0.4
Gasoline	--	ND	50

<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a, a, a-Trifluorotoluene	98-08-8	106	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98073.00

Sample Identification: CSB-6	Date Sampled: 07/24/98
Lab Number: 9807300-03A	Date Received: 07/24/98
Sample Matrix/Media: WATER	Date Prepared: 08/05/98
Preparation Method: EPA 5030	Date Analyzed: 08/05/98
Method Reference: EPA 8015/8020	Analyst: ASC

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	0.4	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	0.7	0.4
Gasoline	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	95	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98073.00

Sample Identification: METHOD BLANK	Date Sampled: --
Lab Number: 9807300-16A	Date Received: --
Sample Matrix/Media: WATER	Date Prepared: 08/05/98
Preparation Method: EPA 5030	Date Analyzed: 08/05/98
Method Reference: EPA 8015/8020	Analyst: ASC

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	112	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98073.00

Sample Identification: CSB-4
Lab Number: 9807300-01
Sample Matrix/Media: WATER

Date Sampled: 07/24/98
Date Received: 07/24/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	0.07	0.05	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.17	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	0.99	0.005	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Chloride	260	0.1	mg/L	--	07/27/98	--	EPA 300.0
Chromium, dissolved	<0.01	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	1.5	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Copper, dissolved	0.07	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	07/27/98	07/27/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Nickel, dissolved	2.0	0.02	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Thallium, dissolved	0.11	0.05	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	6300	10	mg/L	--	07/28/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Zinc, dissolved	1300	0.01	mg/L	07/25/98	07/29/98	EPA 200.7	EPA 200.7
pH	5.2	--	S.U.	--	07/24/98	--	EPA 150.1

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98073.00

Sample Identification: CSB-5
Lab Number: 9807300-02
Sample Matrix/Media: WATER

Date Sampled: 07/24/98
Date Received: 07/24/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Antimony, dissolved	<0.03	0.03	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.26	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Chloride	290	0.1	mg/L	--	07/27/98	--	EPA 300.0
Chromium, dissolved	<0.01	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	07/27/98	07/27/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	720	10	mg/L	--	07/28/98	--	EPA 150.1
Vanadium, dissolved	<0.01	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.30	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
pH	7.8	--	S.U.	--	07/24/98	--	EPA 150.1

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98073.00

Sample Identification: CSB-6
Lab Number: 9807300-03
Sample Matrix/Media: WATER

Date Sampled: 07/24/98
Date Received: 07/24/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.51	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Chloride	230	0.1	mg/L	--	07/27/98	--	EPA 300.0
Chromium, dissolved	<0.01	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	07/27/98	07/27/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	1100	10	mg/L	--	07/28/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.45	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
pH	7.0	--	S.U.	--	07/24/98	--	EPA 150.1

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98073.00

Sample Identification: CSB-404'
Lab Number: 9807300-10
Sample Matrix/Media: SOIL

Date Sampled: 07/24/98
Date Received: 07/24/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	3	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Arsenic	8	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Barium	86	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Chromium	52	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Cobalt	11	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Copper	55	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Lead	27	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Mercury	0.2	0.1	mg/kg	07/27/98	07/27/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Nickel	89	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Thallium	3	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Vanadium	40	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Zinc	120	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98073.00

Sample Identification: CSB-5@4'
Lab Number: 9807300-12
Sample Matrix/Media: SOIL

Date Sampled: 07/24/98
Date Received: 07/24/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	3	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Arsenic	8	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Barium	420	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Chromium	78	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Cobalt	16	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Copper	60	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Lead	37	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Mercury	0.2	0.1	mg/kg	07/27/98	07/27/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Nickel	140	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Thallium	4	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Vanadium	44	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Zinc	180	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98073.00

Sample Identification: CSB-6@4'
Lab Number: 9807300-14
Sample Matrix/Media: SOIL

Date Sampled: 07/24/98
Date Received: 07/24/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	2	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Arsenic	5	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Barium	91	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Chromium	19	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Cobalt	7	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Copper	7	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Lead	9	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Mercury	0.2	0.1	mg/kg	07/27/98	07/27/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Nickel	10	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Thallium	2	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Vanadium	32	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Zinc	65	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98073.00

Sample Identification: METHOD BLANK
Lab Number: 9807300-16
Sample Matrix/Media: WATER

Date Sampled: --
Date Received: --

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Frep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Barium, dissolved	<0.01	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Chloride	<0.1	0.1	mg/L	--	07/27/98	--	EPA 300.0
Chromium, dissolved	<0.01	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	07/27/98	07/27/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	<10	10	mg/L	--	07/28/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7
Zinc, dissolved	<0.01	0.01	mg/L	07/25/98	07/27/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202
Clayton Project No. 98073.00

Sample Identification: METHOD BLANK
Lab Number: 9807300-17
Sample Matrix/Media: SOIL

Date Sampled: --
Date Received: --

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Arsenic	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Barium	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Chromium	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Cobalt	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Copper	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Lead	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/27/98	07/27/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Nickel	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Thallium	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Vanadium	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A
Zinc	<1	1	mg/kg	07/27/98	07/28/98	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Clayton

LABORATORY SERVICES

REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT

Page 1 of 2

Date Results Requested: **5 DAY**
 Rush Charges Authorized? Yes No
 Phone or Fax Results

For Clayton Use Only
 Clayton Lab Project No.

9807300

REPORT RESULTS TO	Name: Don Ashton	Client Job No.: 70-97203.00.202	Purchase Order No.
	Company	Dept.	Name
	Mailing Address		Company
	City, State, Zip		Address
	Telephone No.	FAX No.	City, State, Zip

Special instructions and/or specific regulatory requirements:
 (method, limit of detection, etc.)

Samples are: (check if applicable)
 Drinking Water
 Groundwater
 Wastewater

ANALYSIS REQUESTED
 (Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.)

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	TPH/G/BTEX	8260 (HOLD)	TDS/PH	CHLORIDES	TPHD	CAM-17	FILTER + PRESERVE	FOR LAB USE ONLY
CSB-4	7/24/98		GW		9	X	X	X	X	X	X		
CSB-5			↓		9	X	X	X	X	X	X		
CSB-6			↓		9	X	X	X	X	X	X		
CSB-2			GW		2							X	
CSB-2 @ 4'			SOIL		1							X	
CSB-2 @ 8'					1							X	
CSB-2 @ 12'					1							X	
CSB-2 @ 16'					1							X	
CSB-2 @ 20'					1							X	
CSB-4 @ 4'					1							X	

CHAIN OF CUSTODY	Collected by: MARC MULLANEY (print)	Collector's Signature: <i>Marc Mullaney</i>
	Relinquished by: <i>Marc Mullaney</i>	Date/Time: 7/24/98 1430
	Relinquished by:	Received by:
	Method of Shipment:	Received at Lab by: <i>Deviset Harrington</i>
Authorized by:	Date:	Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)

Please return completed form and samples to one of the Clayton Group Services, Inc. labs listed below:

Detroit Regional Lab 22345 Roethel Drive Novi, MI 48375 (800) 806-5887 (248) 344-1770 FAX (248) 344-2655	Atlanta Regional Lab 400 Chastain Center Blvd., N.W., Suite 490 Kennesaw, GA 30144 (800) 252-9919 (770) 499-7500 FAX (770) 423-4990	San Francisco Regional Lab 1252 Quarry Lane Pleasanton, CA 94566 (800) 294-1755 (510) 426-2657 FAX (510) 426-0106	Seattle Regional Lab 4636 E. Marginal Way S., Suite 215 Seattle, WA 98134 (800) 568-7755 (206) 763-7364 FAX (206) 763-4189
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DISTRIBUTION:
 White - Clayton Laboratory
 Yellow - Clayton Accounting
 Pink - Client Copy

**REQUEST FOR LABORATORY
ANALYTICAL SERVICES**

IMPORTANT

Date Results Requested: 5 DAY
Rush Charges Authorized? Yes No
 Phone or Fax Results

For Clayton Use Only
Clayton Lab Project No.

9807300

COLISEUM WAY

REPORT RESULTS TO	Name <u>DON AGHTON</u>	Client Job No. <u>70-97203.00.202</u>	Purchase Order No.
	Company	Dept.	Name
	Mailing Address		Company
	City, State, Zip		Address
	Telephone No.	FAX No.	City, State, Zip

SEND INVOICE TO

Special instructions and/or specific regulatory requirements: (method, limit of detection, etc.)

Samples are: (check if applicable)
 Drinking Water
 Groundwater
 Wastewater

* Explanation of Preservative

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.)										FOR LAB USE ONLY
<u>CSB-4 @ 6.5'</u>	<u>7/24/98</u>		<u>SOIL</u>		<u>1</u>	<u>HOLD</u>										
<u>CSB-5 @ 4'</u>	↓		↓		<u>X</u>											
<u>CSB-5 @ 6.5'</u>					<u>X</u>											
<u>CSB-6 @ 4'</u>					<u>X</u>											
<u>CSB-6 @ 6.5'</u>					<u>X</u>											

CHAIN OF CUSTODY	Collected by: <u>MARC MULLANEY</u> (print)	Collector's Signature: <u>Marc Mullaney</u>		
	Relinquished by: <u>Marc Mullaney</u>	Date/Time: <u>7/24/98 14:30</u>	Received by:	Date/Time:
	Relinquished by:	Date/Time:	Received by: <u>Denise Harrington</u>	Date/Time: <u>7/24/98 @ 14:30</u>
	Method of Shipment:	Sample Condition Upon Receipt: <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)		
Authorized by:	Date:			

Please return completed form and samples to one of the Clayton Group Services, Inc. labs listed below:

Detroit Regional Lab
22345 Roethel Drive
Novi, MI 48375
(800) 806-5887
(248) 344-1770
FAX (248) 344-2655

Atlanta Regional Lab
400 Chastain Center Blvd., N.W., Suite 490
Kennesaw, GA 30144
(800) 252-9919
(770) 499-7500
FAX (770) 423-4990

San Francisco Regional Lab
1252 Quarry Lane
Pleasanton, CA 94566
(800) 294-1755
(510) 426-2657
FAX (510) 426-0106

Seattle Regional Lab
4636 E. Marginal Way S., Suite 215
Seattle, WA 98134
(800) 568-7755
(206) 763-7364
FAX (206) 763-4189

DISTRIBUTION:
White - Clayton Laboratory
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San Francisco Regional Office

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(925) 426-2600
Fax (925) 426-0106

Clayton
LABORATORY
SERVICES

August 18, 1998

Mr. Don Ashton
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
1252 Quarry Lane
Pleasanton, CA 94566

Client Ref.: 70-97203.00.202
Clayton Project No.: 98073.69

Dear Mr. Ashton:

Attached is our analytical laboratory report for the samples received on July 30, 1998. Also enclosed is a copy of the Chain-of-Custody record acknowledging receipt of these samples.

Please note that any unused portion of the samples will be discarded after October 17, 1998, unless you have requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Client Services at (925) 426-2657.

Sincerely,



Karen Dahl
Client Services Representative
San Francisco Regional Office

KMD/caa

Attachments

California DHS ELAP Certification Number 1196

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: CSB-8@5=5.5'
Lab Number: 9807369-02
Sample Matrix/Media: SOIL

Date Sampled: 07/29/98
Date Received: 07/30/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	53	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	48	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	3.3	0.4	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	17	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	7.3	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	11	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	27	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	3	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	19	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	1100	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
pH	8.0	--	S.U.	--	07/31/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: CSB-8@10-10.5'
Lab Number: 9807369-04
Sample Matrix/Media: SOIL

Date Sampled: 07/29/98
Date Received: 07/30/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	2	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	1.6	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	160	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	0.08	0.4	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	43	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	9	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	13	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	2	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	68	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	6	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	24	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	29	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
pH	8.2	--	S.U.	--	07/31/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: CSB-8@15-15.5'
Lab Number: 9807369-06
Sample Matrix/Media: SOIL

Date Sampled: 07/29/98
Date Received: 07/30/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	3	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	8.1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	67	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	100	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	15	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	35	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	170	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	10	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	87	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	48	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
pH	8.8	--	S.U.	--	07/31/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: CSB-8@19.5-20'
Lab Number: 9807369-07
Sample Matrix/Media: SOIL

Date Sampled: 07/29/98
Date Received: 07/30/98

Analyte	Concentration	Method		Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection	Limit					
Antimony	2	1		mg/kg	08/05/98	08/13/98	EPA 3050A	EPA 6010A
Arsenic	2	1		mg/kg	08/05/98	08/13/98	EPA 3050A	EPA 6010A
Barium	27	1		mg/kg	08/05/98	08/13/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1		mg/kg	08/05/98	08/13/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4		mg/kg	08/05/98	08/13/98	EPA 3050A	EPA 6010A
Chromium	45	1		mg/kg	08/05/98	08/13/98	EPA 3050A	EPA 6010A
Cobalt	12	1		mg/kg	08/05/98	08/13/98	EPA 3050A	EPA 6010A
Copper	16	1		mg/kg	08/05/98	08/13/98	EPA 3050A	EPA 6010A
Lead	<1	1		mg/kg	08/05/98	08/13/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1		mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1		mg/kg	08/05/98	08/13/98	EPA 3050A	EPA 6010A
Nickel	72	1		mg/kg	08/05/98	08/13/98	EPA 3050A	EPA 6010A
Selenium	1	1		mg/kg	08/05/98	08/13/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5		mg/kg	08/05/98	08/13/98	EPA 3050A	EPA 6010A
Thallium	2	1		mg/kg	08/05/98	08/13/98	EPA 3050A	EPA 6010A
Vanadium	25	1		mg/kg	08/05/98	08/13/98	EPA 3050A	EPA 6010A
Zinc	40	1		mg/kg	08/05/98	08/13/98	EPA 3050A	EPA 6010A
pH	8.5	--		S.U.	--	07/31/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for

Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: CSB-8@20-20.5'
Lab Number: 9807369-08
Sample Matrix/Media: SOIL

Date Sampled: 07/29/98
Date Received: 07/30/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	4	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	73	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	54	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	18	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	18	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	77	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	2	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	6	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	31	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	46	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
pH	8.4	--	S.U.	--	07/31/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: CSB-8@25-25.5'
Lab Number: 9807369-10
Sample Matrix/Media: SOIL

Date Sampled: 07/29/98
Date Received: 07/30/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	3	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	39	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	0.4	0.4	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	50	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	12	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	14	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	2	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	0.2	0.1	mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	46	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	4	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	37	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	31	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
pH	8.0	--	S.U.	--	07/31/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: CSB-8@30-30.5'
Lab Number: 9807369-12
Sample Matrix/Media: SOIL

Date Sampled: 07/29/98
Date Received: 07/30/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	2	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	2	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	360	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	0.9	0.4	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	55	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	23	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	28	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	99	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	8	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	47	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	52	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
pH	7.2	--	S.U.	--	07/31/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: CSB-8@35-35.5'
Lab Number: 9807369-14
Sample Matrix/Media: SOIL

Date Sampled: 07/29/98
Date Received: 07/30/98

Analyte	Concentration	Method		Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection	Limit					
Antimony	2	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	1	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	69	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	44	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	12	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	23	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	<1	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1		mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	140	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	<1	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	6	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	27	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	36	.1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
pH	7.5	--		S.U.	--	07/31/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: CSB-8@40-40.5'
Lab Number: 9807369-16
Sample Matrix/Media: SOIL

Date Sampled: 07/29/98
Date Received: 07/30/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	2	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	3	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	230	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	33	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	19	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	16	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	50	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	6	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	28	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	34	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
pH	7.4	--	S.U.	--	07/31/98	--	EPA 9045C

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: CSB-8@45-45.5'
Lab Number: 9807369-18
Sample Matrix/Media: SOIL

Date Sampled: 07/29/98
Date Received: 07/30/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	3	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	5	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	200	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	48	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	13	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	21	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	84	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	9	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	37	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	48	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
pH	7.2	--	S.U.	--	07/31/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: CSB-8@50-50.5'
Lab Number: 9807369-20
Sample Matrix/Media: SOIL

Date Sampled: 07/29/98
Date Received: 07/30/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	22	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	3	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	85	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	38	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	10	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	17	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	36	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	5	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	34	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	30	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
pH	7.3	--	S.U.	--	07/31/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: CSB-8@55-55.5'
Lab Number: 9807369-22
Sample Matrix/Media: SOIL

Date Sampled: 07/29/98
Date Received: 07/30/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	2	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	2	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	130	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	22	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	8	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	14	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	40	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	5	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	26	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	30	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
pH	7.4	--	S.U.	--	07/31/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: CSB-8@60-60.5'
Lab Number: 9807369-24
Sample Matrix/Media: SOIL

Date Sampled: 07/29/98
Date Received: 07/30/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Antimony	2	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	96	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	35	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	8	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	17	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	47	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	6	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	25	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	39	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
pH	7.5	--	S.U.	--	07/31/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: CSB-9@5.0-5.5'
Lab Number: 9807369-26
Sample Matrix/Media: SOIL

Date Sampled: 07/29/98
Date Received: 07/30/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	2	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	3	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	160	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	42	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	11	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	16	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	14	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	42	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	7	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	36	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	47	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
pH	8.1	--	S.U.	--	07/31/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: CSB-9@10-10.5'
Lab Number: 9807369-28
Sample Matrix/Media: SOIL

Date Sampled: 07/29/98
Date Received: 07/30/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	4	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	10	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	220	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	44	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	10	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	23	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	31	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	45	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	8	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	29	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	74	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
pH	10.6	--	S.U.	--	07/31/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: CSB-9@15-15.5'
Lab Number: 9807369-30
Sample Matrix/Media: SOIL

Date Sampled: 07/29/98
Date Received: 07/30/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	6	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	63	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	3	0.4	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	32	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	14	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	15	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	30	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	3	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	64	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	5	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	32	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	3200	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
pH	6.7	--	S.U.	--	07/31/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: CSB-9@20-20.5'
Lab Number: 9807369-32
Sample Matrix/Media: SOIL

Date Sampled: 07/29/98
Date Received: 07/30/98

Analyte	Concentration	Method Detection		Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
		Limit						
Antimony	<1	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	2	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	110	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	52	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	8	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	12	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	<1	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1		mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	56	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	<1	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	5	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	25	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	140	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
pH	8.3	--		S.U.	--	07/31/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: CSB-9@25-25.5'
Lab Number: 9807369-34
Sample Matrix/Media: SOIL

Date Sampled: 07/29/98
Date Received: 07/30/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	17	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	39	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	9	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	16	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	70	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	4	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	24	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	30	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
pH	6.8	--	S.U.	--	07/31/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: CSB-9@30-30.5'
Lab Number: 9807369-36
Sample Matrix/Media: SOIL

Date Sampled: 07/29/98
Date Received: 07/30/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	2	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	76	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	48	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	9	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	19	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	52	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	6	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	38	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	40	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
pH	8.3	--	S.U.	--	07/31/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: CSB-9@35-35.5'
Lab Number: 9807369-38
Sample Matrix/Media: SOIL

Date Sampled: 07/29/98
Date Received: 07/30/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Antimony	2	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	4	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	310	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	93	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	21	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	22	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	97	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	7	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	45	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	40	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
pH	8.5	--	S.U.	--	07/31/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: CSB-9@40-40.5'
Lab Number: 9807369-40
Sample Matrix/Media: SOIL

Date Sampled: 07/29/98
Date Received: 07/30/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	2	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	86	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	40	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	12	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	23	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	69	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	6	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	31	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	33	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
pH	8.3	--	S.U.	--	07/31/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: CSB-9@45-45.5'
Lab Number: 9807369-42
Sample Matrix/Media: SOIL

Date Sampled: 07/29/98
Date Received: 07/30/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	2	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	3	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	170	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	42	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	13	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	21	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	48	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	2	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	6	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	40	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	45	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
pH	7.7	--	S.U.	--	07/31/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: CSB-9@50-50.5'
Lab Number: 9807369-44
Sample Matrix/Media: SOIL

Date Sampled: 07/29/98
Date Received: 07/30/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	2	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	3	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	110	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	43	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	10	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	22	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	85	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	6	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	29	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	34	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
pH	8.0	--	S.U.	--	07/31/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: CSB-9@55-55.5'
Lab Number: 9807369-46
Sample Matrix/Media: SOIL

Date Sampled: 07/29/98
Date Received: 07/30/98

Analyte	Concentration	Method		Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit						
Antimony	2	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	4	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	120	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	58	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	13	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	23	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	3	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1		mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	89	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	<1	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	6	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	37	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	73	1		mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
pH	8.0	--		S.U.	--	07/31/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: CSB-9@60-60.5'
Lab Number: 9807369-48
Sample Matrix/Media: SOIL

Date Sampled: 07/29/98
Date Received: 07/30/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	2	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	3	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	38	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	36	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	6	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	17	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	27	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	4	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	33	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	36	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
pH	7.3	--	S.U.	--	07/31/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: METHOD BLANK 1
Lab Number: 9807369-49
Sample Matrix/Media: SOIL

Date Sampled: --
Date Received: 07/30/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.202 Colesium Way
Clayton Project No. 98073.69

Sample Identification: METHOD BLANK 2
Lab Number: 9807369-50
Sample Matrix/Media: SOIL

Date Sampled: --
Date Received: 07/30/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Arsenic	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Barium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Chromium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Cobalt	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Copper	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Lead	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	07/30/98	07/31/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Nickel	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Thallium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Vanadium	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A
Zinc	<1	1	mg/kg	08/05/98	08/10/98	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT

Date Results Requested: 5 DAY

Rush Charges Authorized? Yes No

Phone or Fax Results

For Clayton Use Only
Clayton Lab Project No.

9807369

COLISEUM WAY

REPORT RESULTS TO

Name DOW ASTTON Client Job No. 70-97203.00.202

Company CLAYTON Dept.

Mailing Address

City, State, Zip

Telephone No. FAX No.

SEND INVOICE TO

Name

Company Dept.

Address

City, State, Zip

Special instructions and/or specific regulatory requirements:
(method, limit of detection, etc.)

HOLD ALL UNUSUA SAMPLES FOR POSSIBLE ADDITIONAL ANALYSIS - OBTAIN APPROVAL PRIOR TO DISPOSAL!

* Explanation of Preservative:

Samples are:
(check if applicable)

Drinking Water

Groundwater

Wastewater

ANALYSIS REQUESTED
(Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added.)

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	ANALYSIS REQUESTED										FOR LAB USE ONLY				
<u>CSB-8 @ 4.5-5'</u>	<u>0820</u>	<u>7/21/98</u>	<u>SOIL</u>		<u>1</u>															
<u>5-5.5'</u>	<u>0820</u>				<u>1</u>	X	X													
<u>9.5-10'</u>	<u>0825</u>				<u>1</u>	X	X													
<u>10-10.5'</u>	<u>0825</u>				<u>1</u>	X	X													
<u>14.5-15'</u>	<u>0835</u>				<u>1</u>	X	X													
<u>15-15.5'</u>	<u>0835</u>				<u>1</u>	X	X													
<u>19.5-20'</u>	<u>0845</u>				<u>1</u>	X	X													
<u>20-20.5'</u>	<u>0845</u>				<u>1</u>	X	X													
<u>24.5-25'</u>	<u>0850</u>				<u>1</u>	X	X													
<u>25-25.5'</u>	<u>0850</u>				<u>1</u>	X	X													

CHAIN OF CUSTODY

Collected by: MARC MULLANEY (print) Collector's Signature: Marc Mullaney

Relinquished by: Don A. [Signature] Date/Time 7/29/98 1200 Received by: Don A. [Signature] Date/Time 7/29/98 1200

Relinquished by: Don A. [Signature] Date/Time 7/30/98 15130 Received by: Denise Harrington Date/Time 7/30/98 1530

Method of Shipment:

Authorized by: _____ Date _____

(Client Signature MUST Accompany Request)

Sample Condition Upon Receipt: Acceptable Other (explain)

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

<p>Detroit Regional Lab 22345 Roethel Drive Novi, MI 48375 (800) 806-5887 (248) 344-1770 FAX (248) 344-2655</p>	<p>Atlanta Regional Lab 400 Chastain Center Blvd., N.W., Suite 480 Kennesaw, GA 30144 (800) 252-9919 (770) 499-7500 FAX (770) 423-4990</p>	<p>San Francisco Regional Lab 1252 Quarry Lane Pleasanton, CA 94566 (800) 294-1755 (510) 426-2857 FAX (510) 426-0106</p>	<p>Seattle Regional Lab 4636 E. Marginal Way S., Suite 215 Seattle, WA 98134 (800) 568-7755 (206) 763-7364 FAX (206) 763-4189</p>
--	---	---	--

DISTRIBUTION:
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Yellow = Clayton Accounting
Pink = Client Copy

11/95 20K

REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT

Date Results Requested: 5 DAY
 Rush Charges Authorized? Yes No
 Phone or Fax Results

For Clayton Use Only
Clayton Lab Project No.

9807369

REPORT RESULTS TO	Name <u>DON ASHTON</u>	Client Job No. <u>70-97203.00.202</u>	Purchase Order No.
	Company <u>CLAYTON</u>	Dept.	Name
	Mailing Address		Company
	City, State, Zip		Dept.
Telephone No.	FAX No.	Address	City, State, Zip

Special instructions and/or specific regulatory requirements: (method, limit of detection, etc.) <u>HILD ALL UNUSUAL SAMPLES</u>	Samples are: (check if applicable) <input type="checkbox"/> Drinking Water <input type="checkbox"/> Groundwater <input type="checkbox"/> Wastewater	ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added.)
* Explanation of Preservative:		

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	FOR LAB USE ONLY														
<u>CSB-8 @ 54.5-55</u>	<u>7/29/98</u>	<u>10:25</u>	<u>SOIL</u>		1															
<u>55-55.5</u>		<u>10:25</u>			1	X	X													
<u>59.5-60</u>		<u>10:40</u>			1															
<u>60-60.5</u>		<u>10:40</u>			1	X	X													
<u>CSB-9 @ 4.5-5.0</u>		<u>12:15</u>			1															
<u>5.0-5.5</u>		<u>12:15</u>			1	X	X													
<u>9.5-10</u>		<u>12:18</u>			1															
<u>10-10.5</u>		<u>12:18</u>			1	X	X													
<u>14.5-15</u>		<u>12:52</u>			1															
<u>15-15.5</u>		<u>12:52</u>			1	X	X													

CHAIN OF CUSTODY	Collected by: <u>MARC MULLANEY / DON ASHTON (print)</u>	Collector's Signature: <u>Marc Mullaney / Don Ashton</u>		
	Relinquished by: <u>Marc Mullaney</u>	Date/Time <u>7/29/98 1200</u>	Received by: <u>Denise Harrington</u>	Date/Time <u>7/29/98 1200</u>
	Relinquished by: <u>Don Ashton</u>	Date/Time <u>7/30/98 1530</u>	Received by:	Date/Time
	Method of Shipment:	Received at Lab by: <u>Denise Harrington</u>	Date/Time <u>7/30/98 1530</u>	
Authorized by: _____	Date: _____	Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)		
(Client Signature MUST Accompany Request)				

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

Detroit Regional Lab 22345 Roethel Drive Novi, MI 48375 (800) 806-5887 (248) 344-1770 FAX (248) 344-2655	Atlanta Regional Lab 400 Chastain Center Blvd., N.W., Suite 490 Kennesaw, GA 30144 (800) 252-9919 (770) 499-7500 FAX (770) 423-4990	San Francisco Regional Lab 1252 Quarry Lane Pleasanton, CA 94566 (800) 294-1755 (510) 426-2657 FAX (510) 426-0106	Seattle Regional Lab 4636 E. Marginal Way S., Suite 215 Seattle, WA 98134 (800) 568-7755 (206) 763-7364 FAX (206) 763-4189
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 Yellow = Clayton Accounting
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**REQUEST FOR LABORATORY
ANALYTICAL SERVICES**

COLISELLUM WAY

IMPORTANT

Date Results Requested: 5 DAY
Rush Charges Authorized? Yes No
 Phone or Fax Results

For Clayton Use Only
Clayton Lab Project No.

9807369

REPORT RESULTS TO	Name <u>DON ASHTON</u>	Client Job No. <u>70-97203.00.207</u>	Purchase Order No.
	Company <u>CLAYTON</u>	Dept.	Name
	Mailing Address		Company
	City, State, Zip		Address
	Telephone No.	FAX No.	City, State, Zip

SEND INVOICE TO

Special instructions and/or specific regulatory requirements:
(method, limit of detection, etc.)
HOLD ALL UNUSUAL SAMPLES

* Explanation of Preservative:

Samples are:
(check if applicable)

Drinking Water
 Groundwater
 Wastewater

ANALYSIS REQUESTED
(Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added.)

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	ANALYSIS REQUESTED										FOR LAB USE ONLY		
						1	2	3	4	5	6	7	8	9	10			
<u>CSB-9 @ 19.5-20.</u>	<u>7/29/98</u>	<u>13:01</u>	<u>SOIL</u>															
<u>20-20.5</u>		<u>13:01</u>				X	X											
<u>24.5-25</u>		<u>13:20</u>																
<u>25-25.5</u>		<u>13:20</u>				X	X											
<u>29.5-30</u>		<u>13:27</u>																
<u>30-30.5</u>		<u>13:27</u>				X	X											
<u>34.5-35</u>		<u>13:40</u>																
<u>35-35.5</u>		<u>13:40</u>				X	X											
<u>39.5-40</u>		<u>14:00</u>																
<u>40-40.5</u>		<u>14:00</u>				X	X											

CHAIN OF CUSTODY	Collected by: <u>DON ASHTON</u> (print)	Collector's Signature: <u>Don Ashton</u>
	Relinquished by: <u>Don Ashton</u>	Date/Time: <u>7/30/98 15:30</u>
	Relinquished by:	Date/Time:
	Method of Shipment:	Date/Time: <u>7/30/98 15:30</u>
Authorized by: _____	Date: _____	Received by: _____
(Client Signature MUST Accompany Request)		Received at Lab by: <u>Denise Harrington</u>
		Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

- | | | | |
|--|---|---|--|
| <p>Detroit Regional Lab
22345 Roethel Drive
Novi, MI 48375
(800) 806-5887
(248) 344-1770
FAX (248) 344-2655</p> | <p>Atlanta Regional Lab
400 Chastain Center Blvd., N.W., Suite 490
Kennesaw, GA 30144
(800) 252-9819
(770) 499-7500
FAX (770) 423-4990</p> | <p>San Francisco Regional Lab
1252 Quarry Lane
Pleasanton, CA 94566
(800) 294-1755
(510) 426-2657
FAX (510) 426-0106</p> | <p>Seattle Regional Lab
4636 E. Marginal Way S., Suite 215
Seattle, WA 98134
(800) 568-7755
(206) 763-7364
FAX (206) 763-4189</p> |
|--|---|---|--|

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REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT

Date Results Requested: 5 DAY

Rush Charges Authorized? Yes No

Phone or Fax Results

For Clayton Use Only
Clayton Lab Project No.

9807369

REPORT RESULTS TO	Name: <u>DON ASHTON</u>	Client Job No: <u>70-97203, 00, 202</u>	Purchase Order No.
	Company: <u>CLAYTON</u>	Dept.	Name
	Mailing Address		Company
	City, State, Zip		Address
Telephone No.	FAX No.		City, State, Zip

Special Instructions and/or specific regulatory requirements:
(method, limit of detection, etc.)

** HOLD ALL UNUSAN SAMPLES - OBTAIN APPROVAL TO DISPOSE*

Explanation of Preservative

Samples are:
(check if applicable)

Drinking Water

Groundwater

Wastewater

ANALYSIS REQUESTED

(Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.)

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	ANALYSIS REQUESTED										FOR LAB USE ONLY			
						[Grid for analysis requests]													
CSB-9 @ 44.5-45	7/29/98	14:16	SOIL		1														
45-45.5		14:16				X	X												
49.5-50		14:30																	
50-50.5		14:30				X	X												
54.5-55		14:57				X	X												
55-55.5		14:57				X	X												
59.5-60		15:15				X	X												
60-60.5		15:15				X	X												

CHAIN OF CUSTODY	Collected by: <u>DON ASHTON</u> (print)	Collector's Signature: <u>Don Ashton</u>		
	Relinquished by: <u>Don Ashton</u>	Date/Time: <u>7/30/98 15:30</u>	Received by:	Date/Time:
	Relinquished by:	Date/Time:	Received by:	Date/Time:
	Method of Shipment:	Received at Lab by: <u>Denise Harrington</u>	Date/Time: <u>7/30/98 1530</u>	
Authorized by: _____	Date: _____	Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)		

Please return completed form and samples to one of the Clayton Group Services, Inc. labs listed below:

Detroit Regional Lab 22345 Roethel Drive Novi, MI 48375 (800) 806-5887 (248) 344-1770 FAX (248) 344-2655	Atlanta Regional Lab 400 Chastain Center Blvd., N.W., Suite 480 Kennesaw, GA 30144 (800) 252-9919 (770) 499-7500 FAX (770) 423-4990	San Francisco Regional Lab 1252 Quarry Lane Pleasanton, CA 94566 (800) 294-1755 (510) 426-2657 FAX (510) 426-0106	Seattle Regional Lab 4638 E. Marginal Way S., Suite 215 Seattle, WA 98134 (800) 568-7755 (206) 763-7364 FAX (206) 763-4189
--	---	---	--

DISTRIBUTION:

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Yellow = Clayton Accounting

Pink = Client Copy

9/97 20K

San Francisco Regional Office

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(925) 426-2600
Fax (925) 426-0106

Clayton
LABORATORY
SERVICES

September 24, 1998

Mr. Don Ashton
CLAYTON ENVIRONMENTAL CONS.
1252 Quarry Lane
Pleasanton, CA 94566

Client Ref.: 70-97203.00.300
Clayton Project No.: 98090.99

Dear Mr. Ashton:

Attached is our analytical laboratory report for the samples received on September 9, 1998. Also enclosed is a copy of the Chain-of-Custody record acknowledging receipt of these samples.

Please note that any unused portion of the samples will be discarded after October 24, 1998, unless you have requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Client Services at (925) 426-2657.

Sincerely,



Patricia Flynn
Client Services Representative
San Francisco Regional Office

PVF/kmd

Attachments

California DHS ELAP Certification Number 1196

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98090.99

Sample Identification: LFMW-3	Date Sampled: 09/09/98
Lab Number: 9809099-03C	Date Received: 09/09/98
Sample Matrix/Media: WATER	Date Extracted: 09/16/98
Extraction Method: EPA 3510	Date Analyzed: 09/21/98
Method Reference: EPA 8015 (Modified)	Analyst: DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	80	50
TPH-Diesel	--	ND	50
TPH-Oil	--	ND	200
<u>Surrogates</u>			
		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	78	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.

TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.

TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.

SILICA GEL CLEANUP PERFORMED ON THE SAMPLE

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98090.99

Sample Identification:	LF-1	Date Sampled:	09/09/98
Lab Number:	9809099-06C	Date Received:	09/09/98
Sample Matrix/Media:	WATER	Date Extracted:	09/16/98
Extraction Method:	EPA 3510	Date Analyzed:	09/21/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	210	50
TPH-Diesel	--	ND	70
TPH-Oil	--	ND	200
<u>Surrogates</u>			
		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	68	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.
SILICA GEL CLEANUP PERFORMED ON THE SAMPLE
Diesel detection limit increased due to presence of unknown hydrocarbons.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98090.99

Sample Identification: LF-11	Date Sampled: 09/09/98
Lab Number: 9809099-07C	Date Received: 09/09/98
Sample Matrix/Media: WATER	Date Extracted: 09/16/98
Extraction Method: EPA 3510	Date Analyzed: 09/21/98
Method Reference: EPA 8015 (Modified)	Analyst: DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	800	50
TPH-Diesel	--	ND	200
TPH-Oil	--	800	200
<u>Surrogates</u>			
		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	61	50 - 150

D: Not detected at or above limit of detection
-: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.
SILICA GEL CLEANUP PERFORMED ON THE SAMPLE
Diesel detection limit increased due to presence of unknown hydrocarbons.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98090.99

Sample Identification:	LF-5	Date Sampled:	09/09/98
Lab Number:	9809099-09C	Date Received:	09/09/98
Sample Matrix/Media:	WATER	Date Extracted:	09/16/98
Extraction Method:	EPA 3510	Date Analyzed:	09/21/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	ND	50
TPH-Diesel	--	ND	50
TPH-Oil	--	ND	200
<u>Surrogates</u>			
		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	68	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.
SILICA GEL CLEANUP PERFORMED ON THE SAMPLE

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98090.99

Sample Identification:	LF-10	Date Sampled:	09/09/98
Lab Number:	9809099-10C	Date Received:	09/09/98
Sample Matrix/Media:	WATER	Date Extracted:	09/16/98
Extraction Method:	EPA 3510	Date Analyzed:	06/21/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	90	50
TPH-Diesel	--	ND	60
TPH-Oil	--	ND	200
<u>Surrogates</u>			
		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	85	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.
SILICA GEL CLEANUP PERFORMED ON THE SAMPLE
Diesel detection limit increased due to presence of unknown hydrocarbons.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98090.99

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9809099-11A	Date Received:	--
Sample Matrix/Media:	WATER	Date Extracted:	09/16/98
Extraction Method:	EPA 3510	Date Analyzed:	09/21/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	ND	50
TPH-Diesel	--	ND	50
TPH-Oil	--	ND	200
<u>Surrogates</u>			
		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	32*	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.
SILICA GEL CLEANUP PERFORMED ON THE SAMPLE
Surrogate recovery out of control.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98090.99

Sample Identification: LF-1	Date Sampled: 09/09/98
Lab Number: 9809099-06E	Date Received: 09/09/98
Sample Matrix/Media: WATER	Date Prepared: 09/11/98
Preparation Method: EPA 5030	Date Analyzed: 09/11/98
Method Reference: EPA 8015/8020	Analyst: KMO

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>			
		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	85	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98090.99

Sample Identification: LF-10
Lab Number: 9809099-10A
Sample Matrix/Media: WATER
Preparation Method: EPA 5030
Method Reference: EPA 8015/8020

Date Sampled: 09/09/98
Date Received: 09/09/98
Date Prepared: 09/11/98
Date Analyzed: 09/11/98
Analyst: KMO

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>			
		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	92	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98090.99

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9809099-11A	Date Received:	--
Sample Matrix/Media:	WATER	Date Prepared:	09/11/98
Preparation Method:	EPA 5030	Date Analyzed:	9/11/98
Method Reference:	EPA 8015/8020	Analyst:	KMO

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>			
		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	102	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98090.99

Sample Identification: LFMW-4
Lab Number: 9809099-01
Sample Matrix/Media: WATER

Date Sampled: 09/09/98
Date Received: 09/09/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.08	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Copper, dissolved	0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	09/11/98	09/14/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Nickel, dissolved	0.03	0.02	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	1900	10	mg/L	--	09/10/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.8	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98090.99

Sample Identification: LFMW-1
Lab Number: 9809099-02
Sample Matrix/Media: WATER

Date Sampled: 09/09/98
Date Received: 09/09/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	0.10	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.12	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	09/11/98	09/14/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	900	10	mg/L	--	09/10/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Zinc, dissolved	1.1	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98090.99

Sample Identification: LFMW-3
Lab Number: 9809099-03
Sample Matrix/Media: WATER

Date Sampled: 09/09/98
Date Received: 09/09/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Antimony, dissolved	<0.03	0.03	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.09	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	0.50	0.005	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Coalt, dissolved	0.88	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Copper, dissolved	0.64	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	09/11/98	09/14/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Nickel, dissolved	2.5	0.02	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	6300	10	mg/L	--	09/10/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Zinc, dissolved	920	0.01	mg/L	09/10/98	09/12/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98090.99

Sample Identification: LF-17
Lab Number: 9809099-04
Sample Matrix/Media: WATER

Date Sampled: 09/09/98
Date Received: 09/09/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.10	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	0.009	0.005	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	09/11/98	09/14/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	1000	10	mg/L	--	09/10/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.77	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98090.99

Sample Identification: LFMW-2
Lab Number: 9809099-05
Sample Matrix/Media: WATER

Date Sampled: 09/09/98
Date Received: 09/09/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	1.0	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.13	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	1.9	0.005	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	0.13	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Copper, dissolved	0.05	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	09/11/98	09/14/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Nickel, dissolved	0.41	0.02	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	5700	10	mg/L	--	09/10/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Zinc, dissolved	1100	0.01	mg/L	09/10/98	09/12/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection

---: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98090.99

Sample Identification: LF-1
Lab Number: 9809099-06
Sample Matrix/Media: WATER

Date Sampled: 09/09/98
Date Received: 09/09/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	0.60	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.13	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	0.009	0.005	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	8.0	0.005	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	0.83	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Copper, dissolved	0.12	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Lead, dissolved	0.57	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	09/11/98	09/14/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Nickel, dissolved	2.8	0.02	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Selenium, dissolved	0.09	0.07	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Thallium, dissolved	0.08	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	23000	10	mg/L	--	09/10/98	--	EPA 160.1
Vanadium, dissolved	0.04	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Zinc, dissolved	5700	0.01	mg/L	09/10/98	09/12/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection

---: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98090.99

Sample Identification: LF-11
Lab Number: 9809099-07
Sample Matrix/Media: WATER

Date Sampled: 09/09/98
Date Received: 09/09/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	0.08	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.12	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	0.04	0.005	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	43	0.005	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	2.1	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Copper, dissolved	2.0	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	09/11/98	09/14/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Nickel, dissolved	9.8	0.02	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Selenium, dissolved	0.13	0.07	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	51000	10	mg/L	--	09/10/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Zinc, dissolved	17000	0.01	mg/L	09/10/98	09/12/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98090.99

Sample Identification: LF-12
Lab Number: 9809099-08
Sample Matrix/Media: WATER

Date Sampled: 09/09/98
Date Received: 09/09/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.11	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	0.013	0.005	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	2.0	0.005	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	1.3	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Copper, dissolved	1.7	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	09/11/98	09/14/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Nickel, dissolved	4.1	0.02	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Selenium, dissolved	0.13	0.07	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	12000	10	mg/L	--	09/10/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Zinc, dissolved	2100	0.01	mg/L	09/10/98	09/12/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98090.99

Sample Identification: LF-5
Lab Number: 9809099-09
Sample Matrix/Media: WATER

Date Sampled: 09/09/98
Date Received: 09/09/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Antimony, dissolved	<0.03	0.03	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.08	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	0.19	0.005	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	0.76	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	09/11/98	09/14/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Nickel, dissolved	2.4	0.02	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	7800	10	mg/L	--	09/10/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Zinc, dissolved	36	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection

---: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98090.99

Sample Identification: LF-10
Lab Number: 9809099-10
Sample Matrix/Media: WATER

Date Sampled: 09/09/98
Date Received: 09/09/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.06	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	0.28	0.005	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	0.03	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Copper, dissolved	0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	09/11/98	09/14/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Nickel, dissolved	0.12	0.02	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	7300	10	mg/L	--	09/10/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Zinc, dissolved	110	0.01	mg/L	09/10/98	09/12/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98090.99

Sample Identification: METHOD BLANK
Lab Number: 9809099-11
Sample Matrix/Media: WATER

Date Sampled: --
Date Received: --

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Antimony, dissolved	<0.03	0.03	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Barium, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	09/11/98	09/14/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	<10	10	mg/L	--	09/10/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7
Zinc, dissolved	<0.01	0.01	mg/L	09/10/98	09/11/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection

---: Information not available or not applicable

Clayton

LABORATORY SERVICES

REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT

Date Results Requested: STD TAT

Rush Charges Authorized? Yes No

Phone or Fax Results

For Clayton Use Only
Clayton Lab Project No.

98090989
NSH

REPORT RESULTS TO	Name <u>D. WATSON</u>	Client Job No.	SEND INVOICE TO	Purchase Order No. <u>70-97203.00.300</u>
	Company <u>PLEASANTON</u>	Dept. <u>ETRM</u>		Name <u>D. WATSON</u>
	Mailing Address			Company
	City, State, Zip			Dept.
	Telephone No.	FAX No.		Address
				City, State, Zip

Special instructions and/or specific regulatory requirements:
(method, limit of detection, etc.)
SILICA GEL CLEANUP FOR EXTRACTION ON TPH-D/O
LAB MUST FILTER CAM-17 SAMPLES
* Explanation of Preservative (HCL)

Samples are:
(check if applicable)
 Drinking Water
 Groundwater
 Wastewater

CLIENT SAMPLE IDENTIFICATION				DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.)	FOR LAB USE ONLY
LFMW-4	9/9/98	1521	H ₂ O	250 ml POLY	1	X	01A	
LFMW-4		↓		↓	1	X	01B	
LFMW-1		1529		250 ml POLY	1	X	02A	
LFMW-1		↓		↓	1	X	02B	
LFMW-3		1555		250 ml POLY	1	X	03A	
LFMW-3		↓		↓	1	X	03B	
LFMW-3		↓		AMBER LITER	2	X	03CD	
LF-17		1550		250 ml POLY	1	X	04A	
LF-17		↓		↓	1	X	04B	

CHAIN OF CUSTODY	Collected by: <u>D. WATTS</u> (print)	Collector's Signature: <u>D. Watts</u>
	Relinquished by: <u>D. Watts</u>	Date/Time <u>9/9/98 1817</u>
	Relinquished by:	Date/Time
	Method of Shipment:	Date/Time
Authorized by: _____	Date _____	Received at Lab by: <u>Denise Harrington</u>
(Client Signature MUST Accompany Request)		Sample Condition Upon Receipt: <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)

Please return completed form and samples to one of the Clayton Group Services, Inc. labs listed below:

Detroit Regional Lab
22345 Roethel Drive
Novi, MI 48375
(800) 806-5887
(248) 344-1770
FAX (248) 344-2655

Atlanta Regional Lab
400 Chastain Center Blvd., N.W., Suite 490
Kennesaw, GA 30144
(800) 252-9919
(770) 499-7500
FAX (770) 423-4990

San Francisco Regional Lab
1252 Quarry Lane
Pleasanton, CA 94586
(800) 294-1755
(925) 426-2657
FAX (925) 426-0106

Seattle Regional Lab
4636 E. Marginal Way S., Suite 215
Seattle, WA 98134
(800) 568-7755
(206) 763-7364
FAX (206) 763-4189

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REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT

Date Results Requested: STD TAT
 Rush Charges Authorized? Yes No
 Phone or Fax Results

For Clayton Use Only
Clayton Lab Project No.

98090989
054

REPORT RESULTS TO	Name <u>D. ASHTON</u>	Client Job No.	Purchase Order No. <u>70-97203.00.300</u>
	Company <u>PLEASANTON</u>	Dept. <u>ERMR</u>	Name <u>D. ASHTON</u>
	Mailing Address		Company
	City, State, Zip		Address
	Telephone No.	FAX No.	City, State, Zip

Special instructions and/or specific regulatory requirements:
(method, limit of detection, etc.)
SILICA GEL CLEANUP FOR EXTRACTION
IN TPH-D/O
L98 MUST FILTER CAM-17 SAMPLES
 * Explanation of Preservative (HCE)

Samples are:
(check if applicable)
 Drinking Water
 Groundwater
 Wastewater

ANALYSIS REQUESTED
(Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added.)

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	ANALYSIS REQUESTED										FOR LAB USE ONLY		
<u>LF-12</u>	<u>9/9/98</u>	<u>1705</u>	<u>H₂O</u>	<u>250 ml Polys</u>	<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>										<u>08A</u>
<u>LF-12</u>					<u>1</u>	<u>X</u>	<u>X</u>											<u>08B</u>
<u>LF-5</u>		<u>1716</u>		<u>250 ml Polys</u>	<u>1</u>	<u>X</u>	<u>X</u>											<u>09A</u>
<u>LF-5</u>					<u>1</u>		<u>X</u>											<u>09B</u>
<u>LF-5</u>				<u>ANDEL LITR</u>	<u>2</u>			<u>X</u>										<u>09CD</u>
<u>LF-10</u>		<u>1729</u>		<u>VOA</u>	<u>2</u>				<u>X</u>									<u>10AB</u>
<u>LF-10</u>				<u>ANDEL LITR</u>	<u>2</u>				<u>X</u>									<u>10CD</u>
<u>LF-10</u>				<u>250 ml Polys</u>		<u>X</u>	<u>X</u>											<u>10E</u>
<u>LF-10</u>						<u>X</u>												<u>10F</u>

CHAIN OF CUSTODY	Collected by: <u>D. WATT</u> (print)	Collector's Signature: <u>D. Watt</u>		
	Relinquished by: <u>D. Watt</u>	Date/Time <u>9/9/98 1817</u>	Received by:	Date/Time
	Relinquished by:	Date/Time	Received by:	Date/Time
	Method of Shipment:	Received at Lab by: <u>Denise Harrington</u>	Date/Time <u>9/9/98 1817</u>	
Authorized by: _____	Date _____	Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)		

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

Detroit Regional Lab 22345 Roethel Drive Novi, MI 48375 (800) 806-5887 (248) 344-1770 FAX (248) 344-2655	Atlanta Regional Lab 400 Chastain Center Blvd., N.W., Suite 490 Kennesaw, GA 30144 (800) 252-9919 (770) 499-7500 FAX (770) 423-4990	San Francisco Regional Lab 1252 Quarry Lane Pleasanton, CA 94566 (800) 294-1755 (510) 426-2657 FAX (510) 426-0106	Seattle Regional Lab 4636 E. Marginal Way S., Suite 215 Seattle, WA 98134 (800) 588-7755 (206) 763-7364 FAX (206) 763-4189
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DISTRIBUTION:
 White = Clayton Laboratory
 Yellow = Clayton Accounting
 Pink = Client Copy

San Francisco Regional Office

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(925) 426-2600
Fax (925) 426-0106

Clayton
LABORATORY
SERVICES

September 28, 1998

Mr. Don Ashton
CLAYTON ENVIRONMENTAL CONS.
1252 Quarry Lane
Pleasanton, CA 94566

Client Ref.: 70-97203.00.300
Clayton Project No.: 98091.10

Dear Mr. Ashton:

Attached is our analytical laboratory report for the samples received on September 11, 1998. Please note that the method blank for TPH Diesel's surrogate recovery is low. The surrogate recoveries for the samples are within control limits. Also enclosed is a copy of the Chain-of-Custody record acknowledging receipt of these samples.

Please note that any unused portion of the samples will be discarded after October 28, 1998, unless you have requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Client Services at (925) 426-2657.

Sincerely,



Patricia Flynn
Laboratory Client Services
San Francisco Regional Office

ACB/pvf

Attachments

California DHS ELAP Certification Number 1196

Clayton Laboratory Services is a Division of Clayton Group Services, Inc.

Atlanta • Boston • Chicago • Cleveland • Danbury • Detroit • Honolulu • Indianapolis • Los Angeles • Miami
Minneapolis • New York • Philadelphia • Portland • Rockford • San Francisco • Savannah • Seattle • Wichita

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification:	LF-2	Date Sampled:	09/10/98
Lab Number:	9809110-01C	Date Received:	09/11/98
Sample Matrix/Media:	WATER	Date Extracted:	09/16/98
Extraction Method:	EPA 3510	Date Analyzed:	09/21/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	ND	50
TPH-Diesel	--	ND	50
TPH-Oil	--	ND	200
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	52	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification:	LF-4	Date Sampled:	09/10/98
Lab Number:	9809110-02C	Date Received:	09/11/98
Sample Matrix/Media:	WATER	Date Extracted:	09/16/98
Extraction Method:	EPA 3510	Date Analyzed:	09/21/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	470	50
TPH-Diesel	--	ND	60
TPH-Oil	--	ND	200
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	72	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.
Diesel detection limit increased due to presence of unknown hydrocarbons.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification:	LF-8	Date Sampled:	09/10/98
Lab Number:	9809110-04C	Date Received:	09/11/98
Sample Matrix/Media:	WATER	Date Extracted:	09/16/98
Extraction Method:	EPA 3510	Date Analyzed:	09/22/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	1400	50
TPH-Diesel	--	ND	2000
TPH-Oil	--	ND	300
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	65	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.
Diesel detection limit increased due to presence of unknown hydrocarbons.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification: LF 3	Date Sampled: 09/10/98
Lab Number: 9809110-05C	Date Received: 09/11/98
Sample Matrix/Media: WATER	Date Extracted: 09/16/98
Extraction Method: EPA 3510	Date Analyzed: 09/22/98
Method Reference: EPA 8015 (Modified)	Analyst: DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	100	50
TPH-Diesel	--	ND	50
TPH-Oil	--	ND	200
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	58	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification:	LF-7	Date Sampled:	09/10/98
Lab Number:	9809110-06C	Date Received:	09/11/98
Sample Matrix/Media:	WATER	Date Extracted:	09/16/98
Extraction Method:	EPA 3510	Date Analyzed:	09/22/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	ND	50
TPH-Diesel	--	ND	50
TPH-Oil	--	ND	200
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	77	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification: LF-13	Date Sampled: 09/10/98
Lab Number: 9809110-07C	Date Received: 09/11/98
Sample Matrix/Media: WATER	Date Extracted: 09/16/98
Extraction Method: EPA 3510	Date Analyzed: 09/22/98
Method Reference: EPA 8015 (Modified)	Analyst: DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	530	50
TPH-Diesel	--	200	50
TPH-Oil	--	300	200
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	54	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification:	LF-14	Date Sampled:	09/10/98
Lab Number:	9809110-08C	Date Received:	09/11/98
Sample Matrix/Media:	WATER	Date Extracted:	09/16/98
Extraction Method:	EPA 3510	Date Analyzed:	09/22/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	310	50
TPH-Diesel	--	ND	300
TPH-Oil	--	ND	200
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	61	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.
Diesel detection limit increased due to presence of unknown hydrocarbons.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification: LF-16	Date Sampled: 09/10/98
Lab Number: 9809110-09C	Date Received: 09/11/98
Sample Matrix/Media: WATER	Date Extracted: 09/16/98
Extraction Method: EPA 3510	Date Analyzed: 09/25/98
Method Reference: EPA 8015 (Modified)	Analyst: DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	ND	50
TPH-Diesel	--	ND	50
TPH-Oil	--	ND	200
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	45	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification:	CW-3	Date Sampled:	09/10/98
Lab Number:	9809110-10C	Date Received:	09/11/98
Sample Matrix/Media:	WATER	Date Extracted:	09/16/98
Extraction Method:	EPA 3510	Date Analyzed:	09/25/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	280	50
TPH-Diesel	--	ND	300
TPH-Oil	--	ND	200
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	87	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.
Diesel detection limit increased due to presence of unknown hydrocarbons.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification:	CW-4	Date Sampled:	09/10/98
Lab Number:	9809110-11C	Date Received:	09/11/98
Sample Matrix/Media:	WATER	Date Extracted:	09/17/98
Extraction Method:	EPA 3510	Date Analyzed:	09/24/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	9100	500
TPH-Diesel	--	ND	9000
TPH-Oil	--	ND	2000
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	26	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.
Diesel detection limit increased due to presence of unknown hydrocarbons.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification:	CW-5	Date Sampled:	09/10/98
Lab Number:	9809110-12C	Date Received:	09/11/98
Sample Matrix/Media:	WATER	Date Extracted:	09/17/98
Extraction Method:	EPA 3510	Date Analyzed:	09/24/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	29000	1000
TPH-Diesel	--	ND	30000
TPH-Oil	--	ND	5000
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	69	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.
Diesel detection limit increased due to presence of unknown hydrocarbons.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification: METHOD BLANK	Date Sampled: --
Lab Number: 9809110-13A	Date Received: --
Sample Matrix/Media: WATER	Date Extracted: 09/16/98
Extraction Method: EPA 3510	Date Analyzed: 09/21/98
Method Reference: EPA 8015 (Modified)	Analyst: DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	ND	50
TPH-Diesel	--	ND	50
TPH-Oil	--	ND	200
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	32	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9809110-13B	Date Received:	--
Sample Matrix/Media:	WATER	Date Extracted:	09/17/98
Extraction Method:	EPA 3510	Date Analyzed:	09/23/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	ND	50
TPH-Diesel	--	ND	50
TPH-Oil	--	ND	200
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	50	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification:	LF-2	Date Sampled:	09/10/98
Lab Number:	9809110-01D	Date Received:	09/11/98
Sample Matrix/Media:	WATER	Date Prepared:	09/15/98
Preparation Method:	EPA 5030	Date Analyzed:	9/15/98
Method Reference:	EPA 8015/8020	Analyst:	KMO

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	0.7	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	0.6	0.4
Gasoline	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	80	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification: LF-4	Date Sampled: 09/10/98
Lab Number: 9809110-02D	Date Received: 09/11/98
Sample Matrix/Media: WATER	Date Prepared: 09/15/98
Preparation Method: EPA 5030	Date Analyzed: 09/15/98
Method Reference: EPA 8015/8020	Analyst: KMO

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	4.2	0.4
Gasoline	--	840	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	101	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification: LF-8	Date Sampled: 09/10/98
Lab Number: 9809110-04D	Date Received: 09/11/98
Sample Matrix/Media: WATER	Date Prepared: 09/15/98
Preparation Method: EPA 5030	Date Analyzed: 9/15/98
Method Reference: EPA 8015/8020	Analyst: KMO

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>PTTEX/Gasoline</u>			
Benzene	71-43-2	0.4	0.4
Ethylbenzene	100-41-4	1.6	0.3
Toluene	108-88-3	1.0	0.3
o-Xylene	95-47-6	1.3	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	130	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	88	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification: LF 3	Date Sampled: 09/10/98
Lab Number: 9809110-05D	Date Received: 09/11/98
Sample Matrix/Media: WATER	Date Prepared: 09/15/98
Preparation Method: EPA 5030	Date Analyzed: 09/15/98
Method Reference: EPA 8015/8020	Analyst: KMO

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	90	50 - 150

ND: Not detected at or above limit of detection
 ---: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification: LF-13	Date Sampled: 09/10/98
Lab Number: 9809110-07D	Date Received: 09/11/98
Sample Matrix/Media: WATER	Date Prepared: 09/15/98
Preparation Method: EPA 5030	Date Analyzed: 09/15/98
Method Reference: EPA 8015/8020	Analyst: KMO

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>PTX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	90	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification:	LF-14	Date Sampled:	09/10/98
Lab Number:	9809110-08D	Date Received:	09/11/98
Sample Matrix/Media:	WATER	Date Prepared:	09/15/98
Preparation Method:	EPA 5030	Date Analyzed:	09/15/98
Method Reference:	EPA 8015/8020	Analyst:	KMO

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	0.9	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	1.2	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	1.5	0.4
Gasoline	--	1700	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	89	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification:	LF-16	Date Sampled:	09/10/98
Lab Number:	9809110-09D	Date Received:	09/11/98
Sample Matrix/Media:	WATER	Date Prepared:	09/15/98
Preparation Method:	EPA 5030	Date Analyzed:	09/15/98
Method Reference:	EPA 8015/8020	Analyst:	KMO

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	90	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification:	CW-3	Date Sampled:	09/10/98
Lab Number:	9809110-10D	Date Received:	09/11/98
Sample Matrix/Media:	WATER	Date Prepared:	09/15/98
Preparation Method:	EPA 5030	Date Analyzed:	09/15/98
Method Reference:	EPA 8015/8020	Analyst:	KMO

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>PTX/Gasoline</u>			
Benzene	71-43-2	5.1	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	86	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification: CW-4	Date Sampled: 09/10/98
Lab Number: 9809110-11D	Date Received: 09/11/98
Sample Matrix/Media: WATER	Date Prepared: 09/16/98
Preparation Method: EPA 5030	Date Analyzed: 09/16/98
Method Reference: 8PA 8015/8020	Analyst: KMO

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	110	0.4
Ethylbenzene	100-41-4	190	0.3
Toluene	108-88-3	66	0.3
o-Xylene	95-47-6	180	0.4
p,m-Xylenes	--	300	0.4
Gasoline	--	7600	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	85	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification:	CW-5	Date Sampled:	09/10/98
Lab Number:	9809110-12D	Date Received:	09/11/98
Sample Matrix/Media:	WATER	Date Prepared:	09/16/98
Preparation Method:	EPA 5030	Date Analyzed:	09/16/98
Method Reference:	EPA 8015/8020	Analyst:	KMO

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>PTEX/Gasoline</u>			
Benzene	71-43-2	150	2
Ethylbenzene	100-41-4	180	2
Toluene	108-88-3	270	2
o-Xylene	95-47-6	210	2
p,m-Xylenes	--	290	2
Gasoline	--	13000	300
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	76	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification: METHOD BLANK
Lab Number: 9809110-13A
Sample Matrix/Media: WATER

Date Sampled: --
Date Received: --
Date Prepared: 09/15/98
Date Analyzed: 09/15/98
Analyst: KMO

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>PTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	101	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification: LF-2
Lab Number: 9809110-01
Sample Matrix/Media: WATER

Date Sampled: 09/10/98
Date Received: 09/11/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.07	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	0.04	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/16/98	--	
Molybdenum, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	0.02	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	2900	10	mg/L	--	09/14/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.62	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification: LF-4
Lab Number: 9809110-02
Sample Matrix/Media: WATER

Date Sampled: 09/10/98
Date Received: 09/11/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.33	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/16/98	--	
Molybdenum, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	0.04	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	1500	10	mg/L	--	09/14/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.12	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification: LF-6
Lab Number: 9809110-03
Sample Matrix/Media: WATER

Date Sampled: 09/10/98
Date Received: 09/11/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	0.06	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.08	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	0.16	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	1.1	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/16/98	--	
Molybdenum, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	4.3	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	6600	10	mg/L	--	09/14/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	18	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification: LF-8
Lab Number: 9809110-04
Sample Matrix/Media: WATER

Date Sampled: 09/10/98
Date Received: 09/11/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	2.0	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.08	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/16/98	--	
Molybdenum, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	1500	10	mg/L	--	09/14/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.02	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification: LF 3
Lab Number: 9809110-05
Sample Matrix/Media: WATER

Date Sampled: 09/10/98
Date Received: 09/11/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	0.30	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.09	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/16/98	--	
Molybdenum, dissolved	0.08	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	2800	10	mg/L	--	09/14/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	3.7	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

D: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification: LF-7
Lab Number: 9809110-06
Sample Matrix/Media: WATER

Date Sampled: 09/10/98
Date Received: 09/11/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	0.07	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.24	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/16/98	--	
Molybdenum, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	950	10	mg/L	--	09/14/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification: LF-13
Lab Number: 9809110-07
Sample Matrix/Media: WATER

Date Sampled: 09/10/98
Date Received: 09/11/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	2.7	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	3.8	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/16/98	--	
Molybdenum, dissolved	0.03	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	910	10	mg/L	--	09/14/98	--	EPA 160.1
Vanadium, dissolved	0.02	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.03	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification: LF-14
Lab Number: 9809110-08
Sample Matrix/Media: WATER

Date Sampled: 09/10/98
Date Received: 09/11/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.04	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	0.07	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	0.61	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	1.2	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/16/98	--	
Molybdenum, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	1.5	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	0.09	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	4200	10	mg/L	--	09/14/98	--	EPA 160.1
Vanadium, dissolved	0.03	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	260	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification: LF-16
Lab Number: 9809110-09
Sample Matrix/Media: WATER

Date Sampled: 09/10/98
Date Received: 09/11/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	0.06	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.06	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	0.014	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	5.8	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	3.2	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	13	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/16/98	--	
Molybdenum, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	8.9	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	0.09	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	0.22	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	17000	10	mg/L	--	09/14/98	--	EPA 160.1
Vanadium, dissolved	0.04	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	550	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification: CW-3
Lab Number: 9809110-10
Sample Matrix/Media: WATER

Date Sampled: 09/10/98
Date Received: 09/11/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	24	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	340	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	0.22	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/16/98	--	
Molybdenum, dissolved	0.04	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	8000	10	mg/L	--	09/14/98	--	EPA 160.1
Vanadium, dissolved	0.02	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.11	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

D: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification: CW-4
Lab Number: 9809110-11
Sample Matrix/Media: WATER

Date Sampled: 09/10/98
Date Received: 09/11/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	0.24	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	1.3	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/16/98	--	
Molybdenum, dissolved	0.09	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	1500	10	mg/L	--	09/14/98	--	EPA 160.1
Vanadium, dissolved	0.02	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.12	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

0: Not detected at or above limit of detection
: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification: CW-5
Lab Number: 9809110-12
Sample Matrix/Media: WATER

Date Sampled: 09/10/98
Date Received: 09/11/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	0.33	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	19	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/16/98	--	
Molybdenum, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	1100	10	mg/L	--	09/14/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.04	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.10

Sample Identification: METHOD BLANK
Lab Number: 9809110-13
Sample Matrix/Media: WATER

Date Sampled: --
Date Received: --

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/16/98	--	
Molybdenum, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	<10	10	mg/L	--	09/14/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Problem Analyte(s) 98^{no} Diesel (TPH)

9809099
9809180

Analysis Date 9/21/98

JOB NO(S) 9809130

QUALITY ASSURANCE/QUALITY CONTROL
CORRECTIVE ACTION RECORD

Nature of Problem: Method Blank's surrogate recovery is low and out of range (33% — control limit is 50% - 150%)

Corrective Steps Taken: Re-run MBS gains same results. MB without silica gel cleanup is also only 33%.

Analyst Signature [Signature]

Date: 9/22/98

Management Action: 9/23/98 spoke to Dan Ashton and John Rosso. They want us to go ahead and report. I will put note on the coversheet about MBS low.

Add'l Corrective Steps Req.

Signature: [Signature]

Date: 9/23/98

Analyst Response:

Analyst:

Date:

Quality Assurance Approval:

QCC/QAC:

Date:

EXTRACTION LOG

Date of Extraction: 9/16/98 Time: 0825 By: RL OC Batch # 980916 W 1 TPHDW X
MS/MSD Batch # 980916 W 1

Method: EPA 3510/600/500 (Sep. Funnel Liq-Liq) EPA 3520/600/500 (Continue Liq-Liq) Other _____
Extraction Solvent: MeCl₂ Volume Used/Each: 150 mL Source/Lot No: B4H BRT29/PS673
Exchange Solvent: N/A Volume Used/Each: N/A mL Source/Lot No: N/A N/A
Surrogate Soln. # E980501-01 Concentration: 78,000 ug/mL Volume Added: 2.0 mL
Spike Solution # E980810-01/E971216-03 Concentration: 10,000 ug/mL Volume Added: 0.1 mL

393

T2119.6
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Laboratory Number	Matrix	Initial pH	pH. Adj.		Sample Wt. or Vol. (g or mL)	Final Vol. (mL)	Conc. by	MS Bitch Ctn	Comments
			1st	2nd					
1	METHOD BLANK	H ₂ O	5		1000	1.5 RW	XXX	(6)	
2	LCS 1 (diesel)		5		1000	RW	XXX		
3	LCS 2 ↓		5		1000		XXX		
4	LCS 3 (m.oil)		5		1000		XXX		
5	9809099-03C		2		1000			(5)	
6	-06C		2		1000				
7	-07C		2		1000				
8	-09C		2		1000				
9	↓ -10C		2		1000				
10	9809110-01C		2		1000				
11	-02C		2		1000				
12	-04C		2		1000				
13	-05C		2		1000				
14	-06C		2		1000				
15	-07C		2		1000				
16	-08C		2		1000				
17	-09C		2		1000				
18	↓ -10C		2		1000				
19	K100130 -01C		2		1000			(5)	
20	-02C		2		1000				
21	-06C		2		1000				
22	-07C		2		1000				
23	-10C		2		1000				
24	-12C	✓	2	✓	1000	✓	✓	✓	

Created by: _____ | Filtration | GPC | Silica Gel | Sulfur | Other _____ By: RLM

Comments: Limited sample amount provided
 Limited sample amount used due to matrix interference
 Sodium sulfate and additional solvent added due to emulsion of the extract
 Filtration method is employed due to heavy emulsion of the extract

needs silica gel clean up
did silica gel clean up on 1/2 of extract

Date of completion: 9/17/98 Reviewed by: RLM

Funnel Liquid-Liquid Extraction Preparation Log - Environmental Batch 393

Batch Opened: 9/16/98

Matrix/ Media: water

Preparation Method: 3510B Separatory Funnel Liquid-Liqu

Cleanup Procedure: Silic

Analyst KS

Additional Cleanup: #Error

lphdwx w/ silica gel cleanup

Client Name: CEC EEP

Project Number Date Prepare Samples Analyst

Vi (wet, g. or mLs)	Final (mL)	Pan Weight	Wet Weight	Pan Dry Weight	Samp Dry (g)	% Moisture	Solvents	Solvent Lot Nos.	Surrogate Spike	PPM	Matrix Spike	PPM
1000	1	0	0	0	1000.0	0	Methylene Chloride	BR727	E980501-01 0.1 mL	#Error	E980810-0 0.1 mL	#Error
9809099	9/16/98	3,6,7,9,10C										
990	1	0	0	0	990.0	0	Methylene Chloride	BR727	E980501-01 0.1 mL	#Error	E980810-0 0.1 mL	#Error
9809110	9/16/98	02C										
1000	1	0	0	0	1000.0	0	Methylene Chloride	BR727	E980501-01 0.1 mL	#Error	E980810-0 0.1 mL	#Error
9809110	9/16/98	1,4,5,6,7,8,9,10										
1000	1	0	0	0	1000.0	0	Methylene Chloride	BR727	E980501-01 0.1 mL	#Error	E980810-0 0.1 mL	#Error
9809130	9/16/98	1,2,6,9,10,12C										

Client Name: QC

Project Number Date Prepare Samples Analyst

Vi (wet, g. or mLs)	Final (mL)	Pan Weight	Wet Weight	Pan Dry Weight	Samp Dry (g)	% Moisture	Solvents	Solvent Lot Nos.	Surrogate Spike	PPM	Matrix Spike	PPM
1000	1	0	0	0	1000.0	0	Methylene Chloride	BR727	E980501-01 0.1 mL	#Error	E980810-0 0.1 mL	#Error
QC	9/16/98	980916W1L1										
1000	1	0	0	0	1000.0	0	Methylene Chloride	BR727	E980501-01 0.1 mL	#Error	E980810-0 0.1 mL	#Error
QC	9/16/98	980916W1L2										
1000	1	0	0	0	1000.0	0	Methylene Chloride	BR727	E980501-01 0.1 mL	#Error	E980810-0 0.1 mL	#Error
QC	9/16/98	980916W1L3										
1000	1	0	0	0	1000.0	0	Methylene Chloride	BR727	E980501-01 0.1 mL	#Error	E980810-0 0.1 mL	#Error
QC	9/16/98	980916W1MB										

QC Organics Quality Assurance Summary - Environmental

Batch Number 393 **Cleanup Methods** Silica Gel
Date Prepared 9/16/98 **Preparation Analyst** KS **Preparation Met** 3510B **Spike Source** E980810-01 **Matrix** Water
Date Analyzed 9/21/98 **Inst. Analyst** DTT **Instrument** 02893 **Spk. Smpl. ID** 980916W1

Analyte	Instrument Method	Units	Blank Result	Spike Level	LCS Result	LCS % Recovery	LCSD Result	LCSD % Recovery	Spike Sample Result	MS Result	MS % Recovery	MSD Result	MSD % Recovery	Average % Recovery	RPD %	Comments
Diesel	8015	ug/L	< 1	E+03	789	79	538	54	0	N/A	N/A	N/A	N/A	66.5	38	
SURR p-Terphenyl	8015	ug/L	< 1	100	76	76	85	85	0	N/A	N/A	N/A	N/A	80.5	11	

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9/23/98 6:14:35 PM

Peer Reviewed By _____ Date _____

N/A = Not Applicable

Date of Extraction: 9/17/98 Time: 0950 By: RL QC Batch # 980917 W 1 Tested: TPHDW/X

MS/MSD Batch # 980917 W 1

Method: EPA 3510/600/500 (Sep. Funnel Liq-Liq) | EPA 3520/600/500 (Continue Liq-Liq) | Other: _____

Extraction Solvent: MeCl2 Volume Used/Each: 150 mL Source/Lot No. B&H 05673

Exchange Solvent: NA Volume Used/Each: NA mL Source/Lot No. NA NA

Surrogate Soln. # E980501-01 Concentration: 730/1000 ug/mL Volume Added 0.1 mL

Spike Solution # E98080-01 / E971216-03 Concentration: 10,000 ug/mL Volume Added 0.1 mL

394

17439
60
41
92
2475.09
10

Laboratory Number	Matrix	Initial pH	pH. Adj.		Sample Wt. or Vol (g or mL)	Final Vol. (mL)	Conc. by	MS Bch Ctn	Comments
			1st	2nd					
1	METHOD BLANK	H2O	5	2.5	1000	1	RLU	XXX	(5)
2	LCS 1 (diesel)		5					XXX	
3	LCS 2 ↓		5					XXX	
4	LCS 3 (m.oil)		5					XXX	
5	9809110-11C		1		1000			1	
6	↓ -12C		2		965			2	
7	9809113-01C		2		1000			3	
8	↓ -02C		2		1000			4	↓
9	9809166-02C		2		1000			5	
10	9809141-1		2		1000			6	
11	↓ -2		2		1000			7	
12	↓ -3		2		1000			8	
13	9809509-1		2		1000			9	
14	↓ -2		2		1000			10	
15	↓ -3		2		1000			11	
16	↓ -4		2		1000			12	
17	↓ -5		2		1000			13	
18									
19									
20									
21									
22									
23									
24									

RLU
9/18/98

Clean Up: Acid | Flionsil | GPC | Silica Gel | Sulfur | Other: _____ By: RLU

- Comments:
- (1) Limited sample amount provided
 - (2) Smaller sample amount used due to matrix interference
 - (3) Sodium sulfate and additional solvent added due to emulsion of the extract.
 - (4) Centrifugation method is employed due to heavy emulsion of the extract.

did silica-gel clean-up on 1/2

Date of Completion: 9/18/98 Reviewed By: RLU

Funnel Liquid-Liquid Extraction Preparation Log - Environmental Batch 394

Batch Opened: 9/17/98

Matrix/ Media: Water

Preparation Method: 3510B Separatory Funnel Liquid-Liqu

Cleanup Procedure:

Analyst KS

Additional Cleanup: #Error

TPHDWX w/ some silicagel cleanup

Client Name: CEC EEP

Project Number	Date Prepare	Samples	Analyst	VI (wet, g. or mLs)	Final (mL)	Pan Weight	Wet Weight	Pan Dry Weight	Sample Dry (g)	% Moisture	Solvents	Solvent Lot Nos.	Surrogate Spike	PPM	Matrix Spike	PPM
9809110	9/17/98	11C		1000	1	0	0	0	1000.0	0	Methylene Chloride	BS673	E980501-01 0.1	#Error	E980810-0 0.1	#Error
9809110	9/17/98	12C		965	1	0	0	0	965.0	0	Methylene Chloride	BS673	E980501-01 0.1	#Error	E980810-0 0.1	#Error
9809113	9/17/98	01C,02C		1000	1	0	0	0	1000.0	0	Methylene Chloride	BS673	E980501-01 0.1	#Error	E980810-0 0.1	#Error

Client Name: CEC EES

Project Number	Date Prepare	Samples	Analyst	VI (wet, g. or mLs)	Final (mL)	Pan Weight	Wet Weight	Pan Dry Weight	Sample Dry (g)	% Moisture	Solvents	Solvent Lot Nos.	Surrogate Spike	PPM	Matrix Spike	PPM
9809141	9/17/98	1,2,3		1000	1	0	0	0	1000.0	0	Methylene Chloride	BS673	E980501-01 0.1	#Error	E980810-0 0.1	#Error

Client Name: CEC ESA

Project Number	Date Prepare	Samples	Analyst	VI (wet, g. or mLs)	Final (mL)	Pan Weight	Wet Weight	Pan Dry Weight	Sample Dry (g)	% Moisture	Solvents	Solvent Lot Nos.	Surrogate Spike	PPM	Matrix Spike	PPM
9809509	9/17/98	1,2,3,4,5		1000	1	0	0	0	1000.0	0	Methylene Chloride	BS673	E980501-01 0.1	#Error	E980810-0 0.1	#Error

Funnel Liquid-Liquid Extraction Preparation Log - Environmental Batch 394

Batch Opened: 9/17/98

Matrix/ Media: Water

Preparation Method: 3510B Separatory Funnel Liquid-Liqu

Cleanup Procedure:

Analyst KS

Additional Cleanup: #Error

TPHDWX w/ some silicagel cleanup

Client Name: QC

Project Number	Date Prepare	Samples	Analyst	Vi (wet, g. or mLs)	Final (mL)	Pan Weight	Wet Weight	Pan Dry Weight	Sample Dry (g)	% Moisture	Solvents	Solvent Lot Nos.	Surrogate Spike	PPM	Matrix Spike	PPM
QC	9/17/98	980917W1L1		1000	1	0	0	0	1000.0	0	Methylene Chloride	BS673	E980501-01 0.1	#Error	E980810-0 0.1	#Error
QC	9/17/98	980917W1L2		1000	1	0	0	0	1000.0	0	Methylene Chloride	BS673	E980501-01 0.1	#Error	E980810-0 0.1	#Error
QC	9/17/98	980917W1L3		1000	1	0	0	0	1000.0	0	Methylene Chloride	BS673	E980501-01 0.1	#Error	E980810-0 0.1	#Error
QC	9/17/98	980917W1MB		1000	1	0	0	0	1000.0	0	Methylene Chloride	BS673	E980501-01 0.1	#Error	E980810-0 0.1	#Error

Client Name: SFIAP BC

Project Number	Date Prepare	Samples	Analyst	Vi (wet, g. or mLs)	Final (mL)	Pan Weight	Wet Weight	Pan Dry Weight	Sample Dry (g)	% Moisture	Solvents	Solvent Lot Nos.	Surrogate Spike	PPM	Matrix Spike	PPM
9809166	9/17/98	02C		1000	1	0	0	0	1000.0	0	Methylene Chloride	BS673	E980501-01 0.1	#Error	E980810-0 0.1	#Error

QC Organics Quality Assurance Summary - Environmental

Batch Number **394**

Cleanup Methods

Date Prepared **9/17/98** Preparation Analyst **KS**

Preparation Met **3510B**

Spike Source **E980810-01** Matrix **Water**

Date Analyzed **9/23/98** Inst. Analyst **DTT**

Instrument **02893**

Spk. Smpl. ID **980917W1**

Analyte	Instrument Method	Units	Blank Result	Spike Level	LCS Result	LCS % Recovery	LCSD Result	LCSD % Recovery	Spike Sample Result	MS Result	MS % Recovery	MSD Result	MSD % Recovery	Average % Recovery	RPD %	Comments
Diesel	8015	ug/L	< 1	±03	603	60	563	56	0	N/A	N/A	N/A	N/A	58	7	
SURR p-Terphenyl	8015	ug/L	< 1	100	53	53	120	120	0	N/A	N/A	N/A	N/A	86.5	77	<u>There is a trend developing with the analyte above. (Problem? Time to re-evaluate mean? Notify QA office.)</u>

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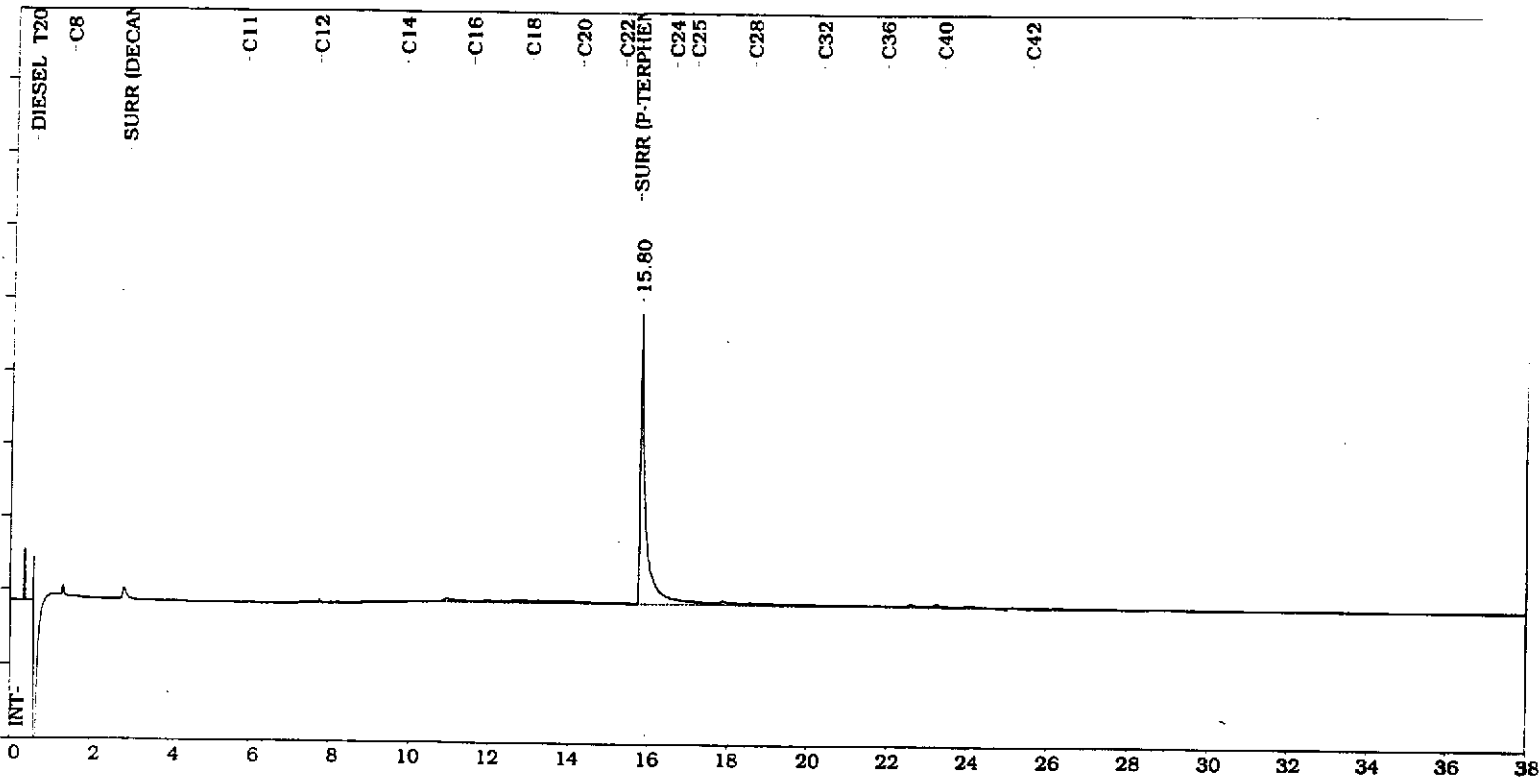
9/25/98 7:56:35 PM

Peer Reviewed By _____ Date _____

N/A = Not Applicable

Sample Name=9809110-01C W/ SILICA GEL CLEANUP

0.0 to 38.0 min. Low Y=-50.0 High Y=220.0 mv Span=270.0



Clayton Environmental Consultants, Pleasanton, California

Sample Name: 9809110-01C W/ SILICA GEL CLEANUP Printed: 09-23-1998_10:57:57

Dilution Factor: 1 Date: 09-21-1998 23:13:17
Sample Weight: 1000 Operator: DTT

Area Rejected: 100 Instrument: 02893 HP-5890
EXTERNAL STD Calibrated

Data File: M:\CP\GC-6\T21I\$.15R Cycle# 15
Method File: !M:\CP\GC-6\TD2.MET..ver# -45. 08/28/98 11:15:38
Calibr File: !M:\CP\GC-6\TD2.CAL..ver# -17.
Analysis: TEPH 60C(5')15C/M 330C(15') 1UL HT-5
Miscl.

Ret time	Total	Amount	Peak	Peak	Peak	Ref	Amount	Actual	Inst.
Pk#	(min)	Peak Name	PPM	Area	Type	Height	Pk	/Area	Amount
1	15.802		0.0927	1344747	BB	110658		0.6894E-07	92.70

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS =9.270234E-02- = mg/Kg

OR 92.70235 - 68 = ND ug/L (ppb) B

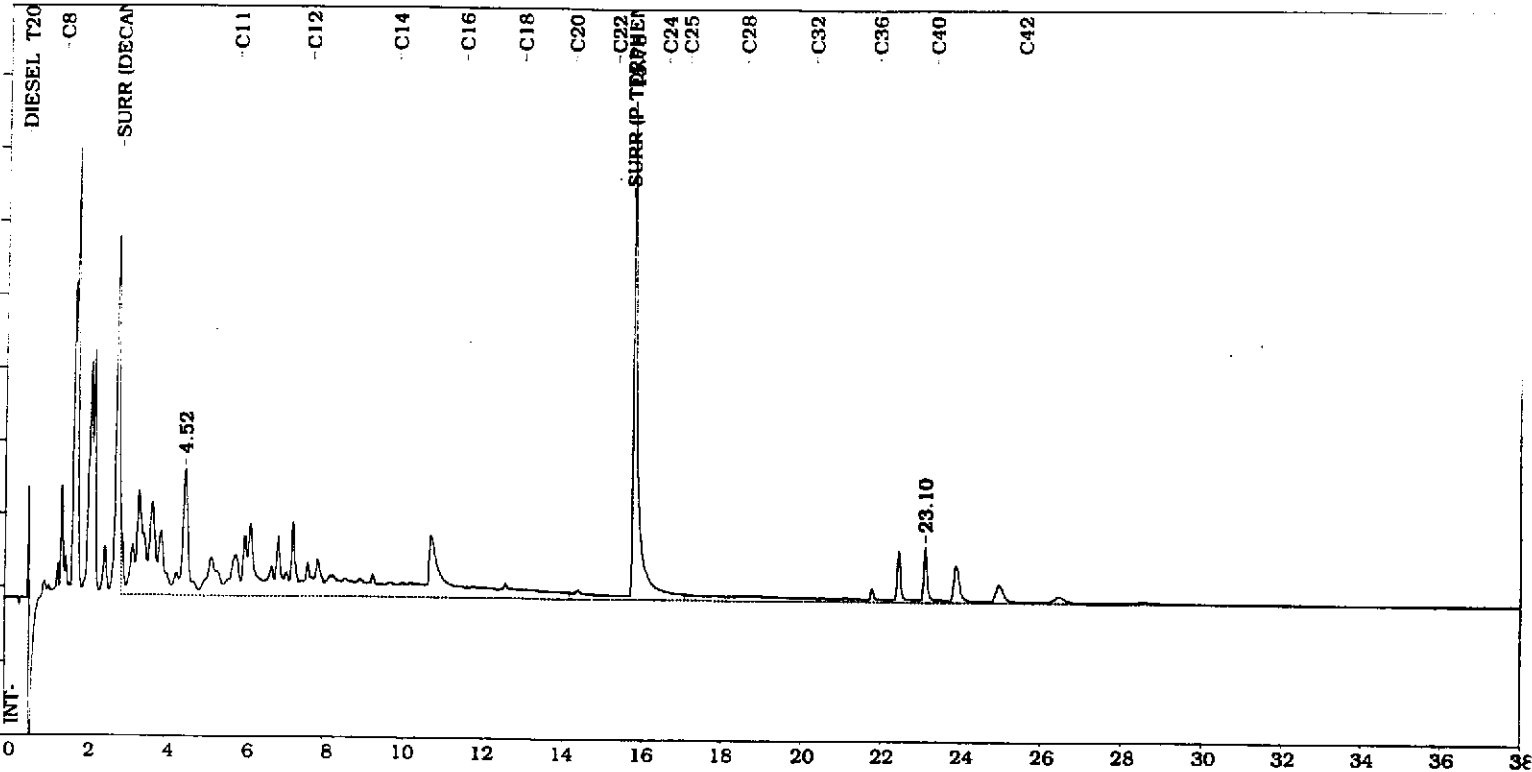
Total Area = 1344747
Instrument Actual Amount = 92.70235 PPM

526

9/23/98

Sample Name=9809110-02C W/ SILICA GEL CLEANUP

0.0 to 38.0 min. Low Y=-50.0 High Y=220.0 mv Span=270.0



Clayton Environmental Consultants, Pleasanton, California

Sample Name: 9809110-02C W/ SILICA GEL CLEANUP Printed: 09-23-1998_10:57:59

Dilution Factor: 1 Date: 09-21-1998 23:57:19
 Sample Weight: 990 Operator: DTT

Area Rejected: 100 Instrument:02893 HP-5890
 EXTERNAL_STD Calibrated

Data File: M:\CP\GC-6\T21I\$.16R Cycle# 16
 Method File: !M:\CP\GC-6\TD2.MET..ver# -45. 08/28/98 11:15:38
 Calibr File: !M:\CP\GC-6\TD2.CAL..ver# -17.
 Analysis: TEPH 60C(5')15C/M 330C(15') 1UL HT-5
 Misc1.

Ret time	Total	Amount	Peak	Peak	Peak	Ref	Amount	Actual	Inst.
Pkt	min	PPM	Area	Type	Height	PK	/Area	Amount	
1	4.524	0.1746	5379321	BV	47281		0.6963E-07	370.83	
2	15.777	0.1149	1649393	VB	188219		0.6963E-07	113.70	
3	23.101	0.0798	1145959	BB	20723		0.6963E-07	79.00	

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS = .5692269- = mg/Kg

OR 569.2269 - 95 = 474 ug/L (ppb) B

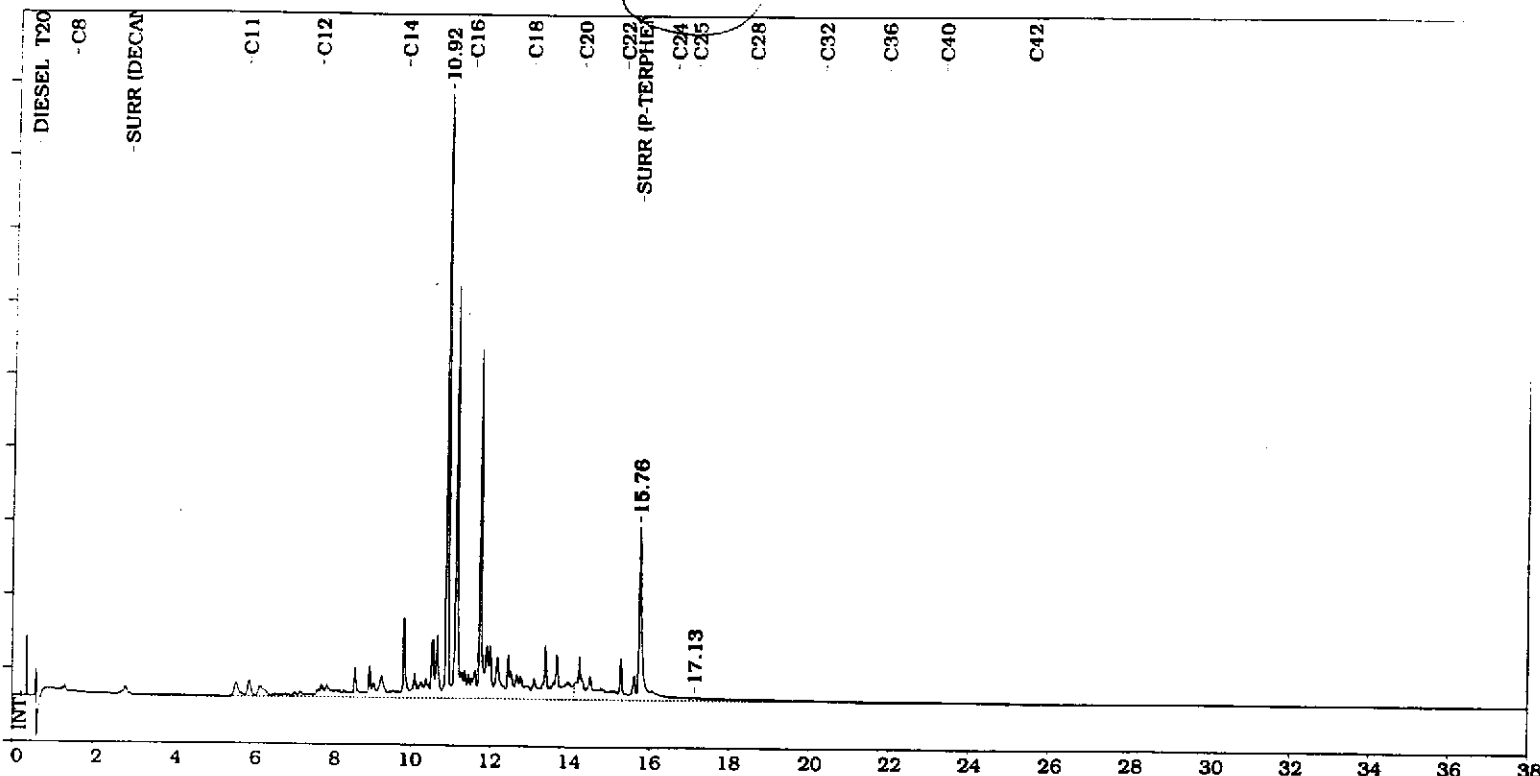
Total Area = 8174672
 Instrument Actual Amount = 563.5347 PPM

726

9/23/98

Sample Name=9809110-04C W/ SILICA GEL CLEANUP

0.0 to 38.0 min. Low Y=-73.445 High Y=1099.626 mv Span=1173.071



Clayton Environmental Consultants, Pleasanton, California

Sample Name: 9809110-04C W/ SILICA GEL CLEANUP Printed: 09-23-1998_10:58:02

Dilution Factor: 1
Sample Weight: 1000

Date: 09-22-1998 00:41:25
Operator: DTT

Area Rejected: 100

Instrument: 02893 HP-5890
EXTERNAL_STD Calibrated

Data File: M:\CP\GC-6\T21I\$.17R Cycle# 17
Method File: !M:\CP\GC-6\TD2.MET..ver# -45. 08/28/98 11:15:38
Calibr File: !M:\CP\GC-6\TD2.CAL..ver# -17.
Analysis: TEPH 60C(5')15C/M 330C(15') 1UL HT-5
Miscl.

Mod 09-22-1998 14:03:10

PK#	Ret time (min)	Peak Name	Total PPM	Amount PPM	Peak Area	Peak Type	Peak Height	Ref Pk	Amount /Area	Actual Amount	Inst.
1	10.921		1.1843		17179740	BV	974452		0.6894E-07	1184.31	
2	15.757		0.2626	0.844 = 0.178	3809641	VB	287041		0.6894E-07	262.62	
3	17.128		0.0476		690228	BB	4850		0.6894E-07	47.58	

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS = 1.49452- = mg/Kg

OR 1494.52 - 84.4 = 1400 ug/L (ppb) B

Total Area = 2.167961E+07
Instrument Actual Amount = 1494.52 PPM

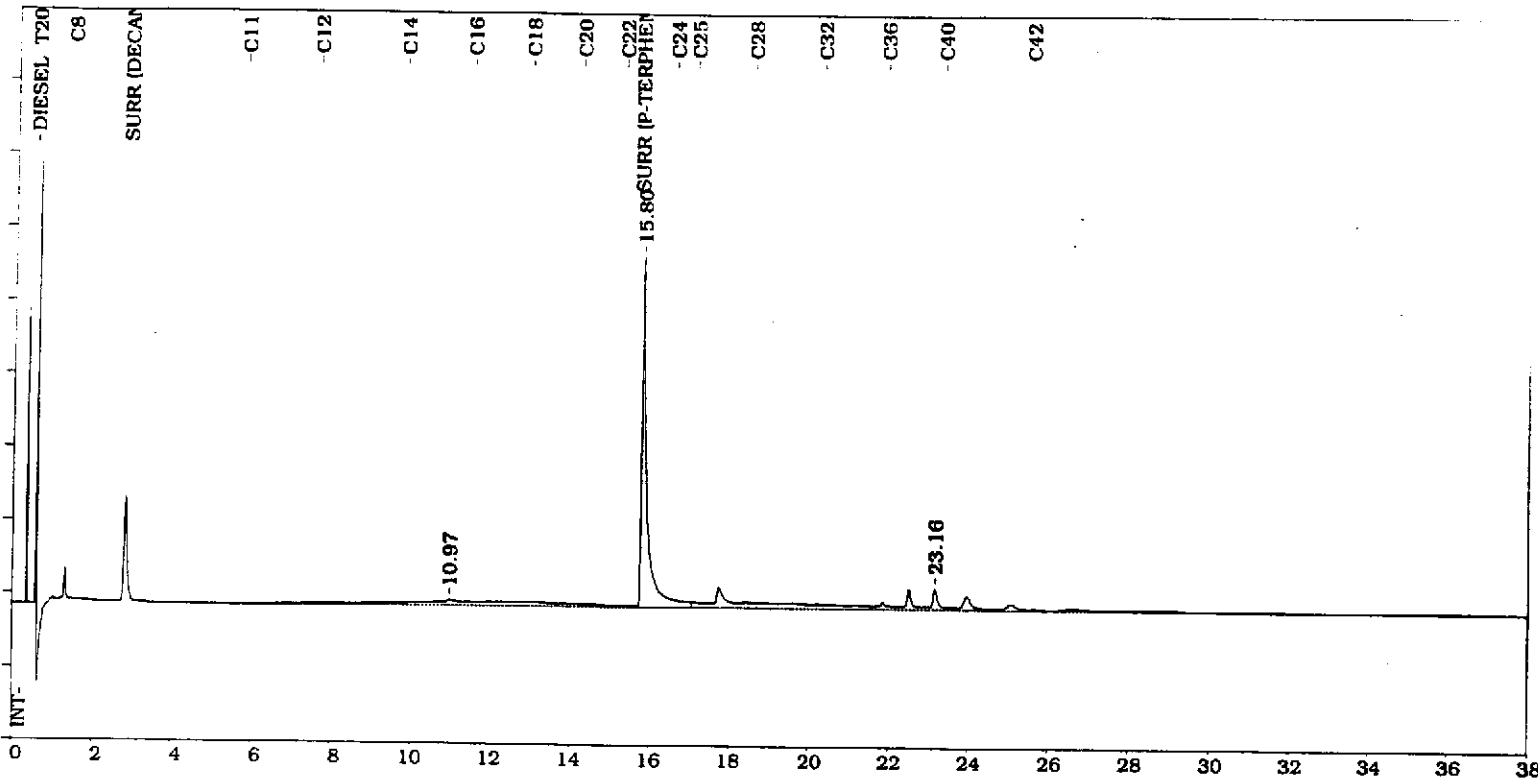
DTT

65%

9/23/98

Sample Name=9809110-05C W/ SILICA GEL CLEANUP

0.0 to 38.0 min. Low Y=-50.0 High Y=220.0 mv Span=270.0



Clayton Environmental Consultants, Pleasanton, California

Sample Name: 9809110-05C W/ SILICA GEL CLEANUP Printed: 09-23-1998_10:58:04

Dilution Factor: 1
Sample Weight: 1000

Date: 09-22-1998 01:25:27
Operator: DTT

Area Rejected: 100

Instrument: 02893 HP-5890
EXTERNAL_STD Calibrated

Data File: M:\CP\GC-6\T21I\$.18R Cycle# 18
Method File: !M:\CP\GC-6\TD2.MET..ver# -45. 08/28/98 11:15:38
Calibr File: !M:\CP\GC-6\TD2.CAL..ver# -17.
Analysis: TEPH 60C(5')15C/M 330C(15') 1UL HT-5
Miscl.

Mod 09-22-1998 14:03:10

PK#	Ret time (min)	Peak Name	Total PPM	Amount PPM	Peak Area	Peak Type	Peak Height	Ref Pk	Amount /Area	Actual Amount	Inst.
1	10.973		0.0277		401123	BV	2130		0.6894E-07	27.65	
2	15.795		0.0860	0.076 = 0.10	1247157	VB	130461		0.6894E-07	85.97	
3	23.158		0.0625		906082	BB	7688		0.6894E-07	62.46	

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS = .1760892- = mg/Kg

OR 176.0892 - 76 = 100 ug/L (ppb) B

Total Area = 2554362

Instrument Actual Amount = 176.0892 PPM

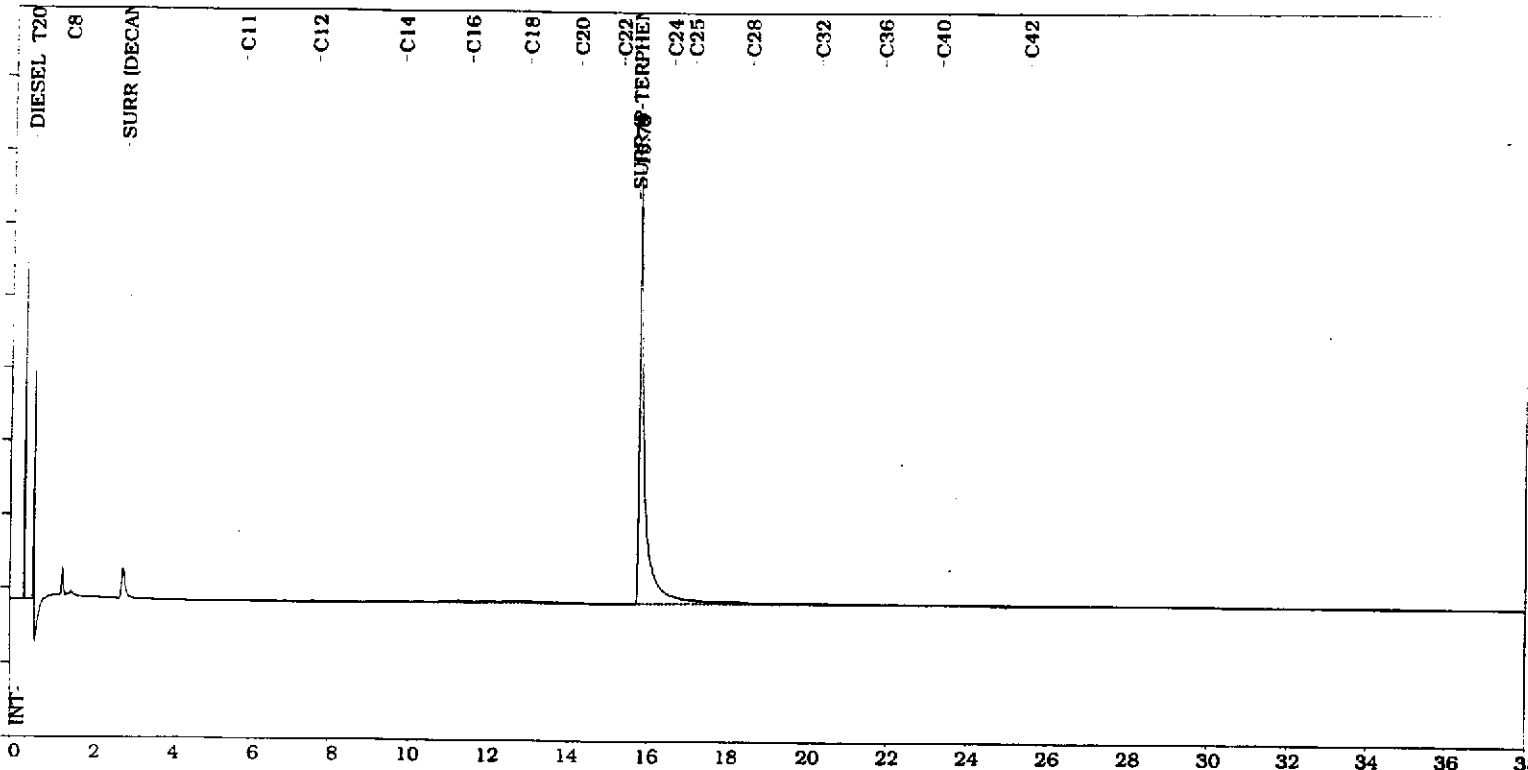
DTT

9/23/98

87

Sample Name=9809110-06C W/ SILICA GEL CLEANUP

0.0 to 38.0 min. Low Y=-50.0 High Y=220.0 mv Span=270.0



Clayton Environmental Consultants, Pleasanton, California

Sample Name: 9809110-06C W/ SILICA GEL CLEANUP

Printed: 09-23-1998_10:58:06

Dilution Factor: 1
Sample Weight: 1000

Date: 09-22-1998 02:09:29
Operator: DTT

Area Rejected: 100

Instrument: 02893 HP-5890
EXTERNAL STD Calibrated

Data File: M:\CP\GC-6\T21I\$.19R Cycle# 19

Method File: !M:\CP\GC-6\TD2.MET...ver# -45. 08/28/98 11:15:38

Calibr File: !M:\CP\GC-6\TD2.CAL...ver# -17.

Analysis: TEPH 60C(5')15C/M 330C(15') 1UL HT-5

Miscl.

|Mod 09-22-1998 14:03:10

Ret time	Total	Amount	Peak	Peak	Peak	Ref	Amount	Actual	Inst.
Pk#	imin	Peak Name	PPM	Area	Type	Height	Pk	/Area	Amount
1	15.791		0.1131	1640585	BB	162802		0.6894E-07	113.10

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS = .1130965- = mg/Kg

OR 113.0965 - (CV) = ND ug/L (ppb) B

Total Area = 1640585

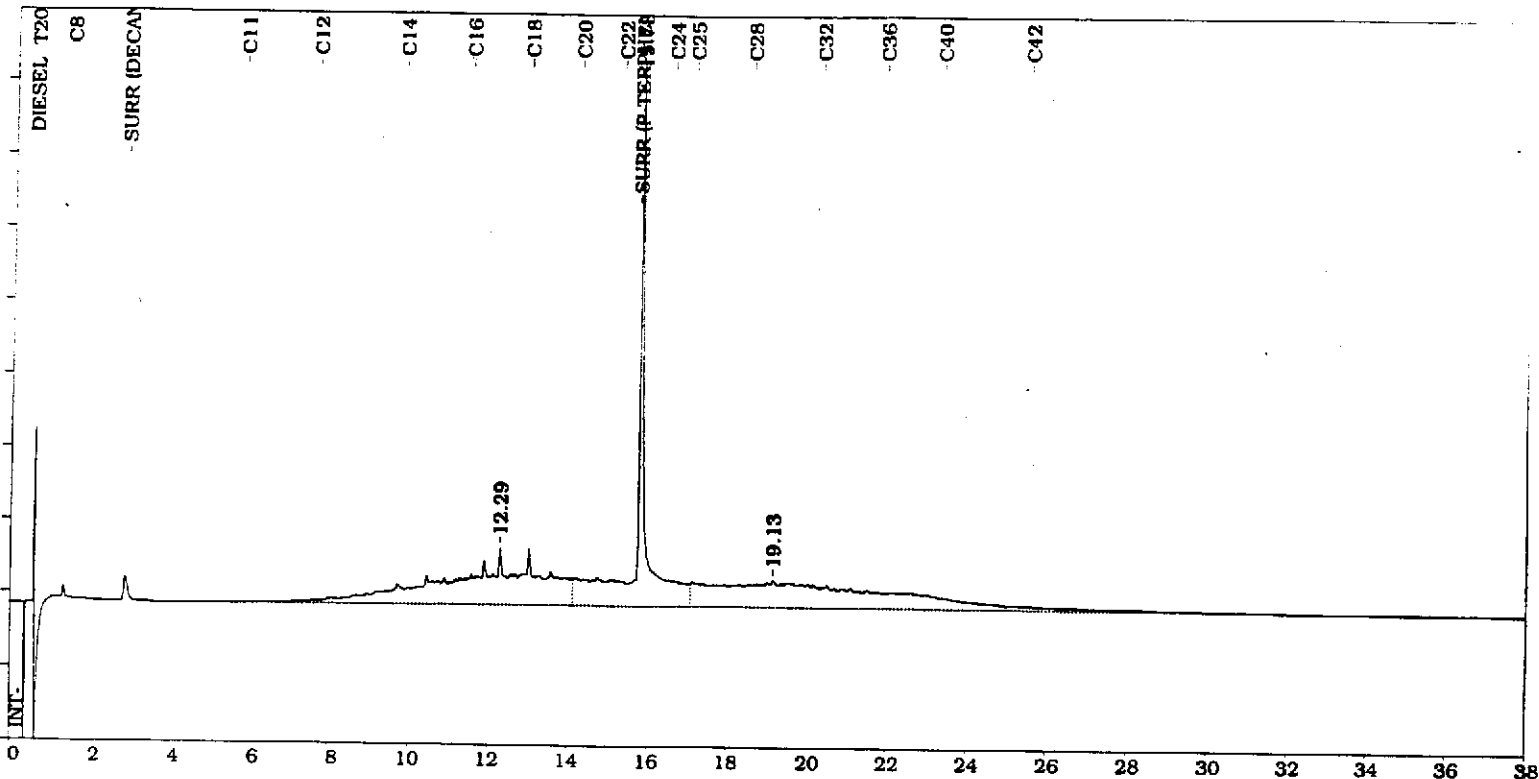
Instrument Actual Amount = 113.0965 PPM

DTT
9/23/98

776

Sample Name-9809110-07C W/ SILICA GEL CLEANUP

0.0 to 38.0 min. Low Y=-50.0 High Y=220.0 mv Span=270.0



Clayton Environmental Consultants, Pleasanton, California

Sample Name: 9809110-07C W/ SILICA GEL CLEANUP Printed: 09-23-1998_10:58:20

Dilution Factor: 1 Date: 09-22-1998 13:15:47
 Sample Weight: 1000 Operator: DTT

Area Rejected: 100 Instrument: 02893 HP-5890
 EXTERNAL STD Calibrated

Data File: M:\CP\GC-6\T21I\$.25R Cycle# 25
 Method File: !M:\CP\GC-6\TD2.MET..ver# -45. 08/28/98 11:15:38
 Calibr File: !M:\CP\GC-6\TD2.CAL..ver# -17.

Analysis: TEPH 60C(5')15C/M 330C(15') 1UL HT-5
 Miscl.

Ret Time	Total	Amount	Peak	Peak	Peak	Ref	Amount	Actual	Inst.
PK#	(min)	Peak Name	PPM	Area	Type	Height	Pk	/Area	Amount
1	12.286		0.2000	2901180	BV	21356		0.6894E-07	200.00
2	15.783		0.1835	2661997	VB	211790		0.6894E-07	183.51
3	19.133		0.2207	3201527	BB	10133		0.6894E-07	220.70

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS = .6042095- = mg/Kg

OR 604.2095 - 70 = 534 ug/L (ppb) B

Total Area = 8764704

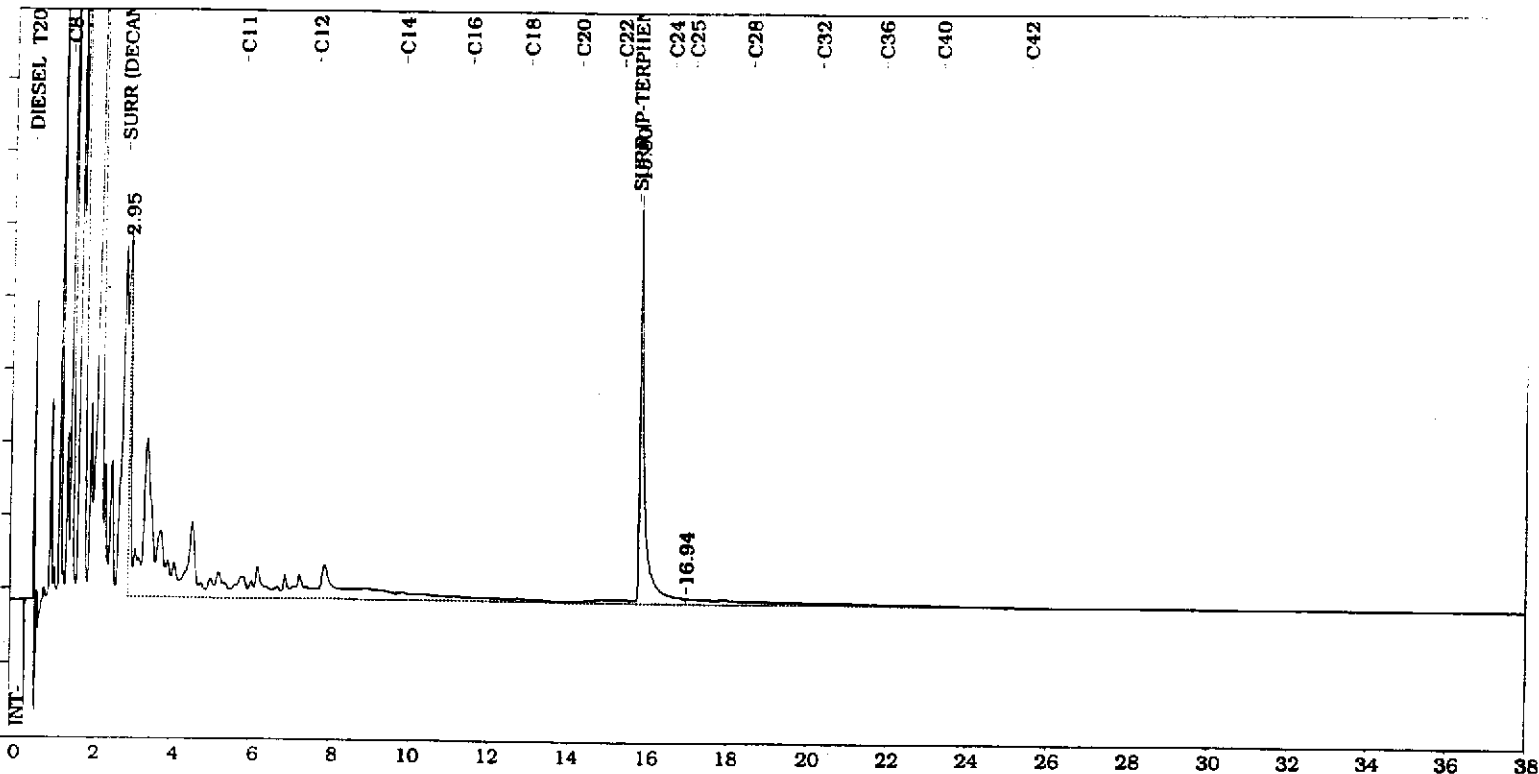
Instrument Actual Amount = 604.2095 PPM

Handwritten: 9/23/98

Handwritten: 501

Sample Name=9809110-08C W/ SILICA GEL CLEANUP

0.0 to 38.0 min. Low Y=-50.0 High Y=220.0 mv Span=270.0



Clayton Environmental Consultants, Pleasanton, California

Sample Name: 9809110-08C W/ SILICA GEL CLEANUP Printed: 09-23-1998_10:58:23

Dilution Factor: 1 Date: 09-22-1998 14:02:53
 Sample Weight: 1000 Operator: DTT

Area Rejected: 100 Instrument:02893 HP-5890
 EXTERNAL_STD Calibrated

Data File: M:\CP\GC-6\T21I5.26R Cycle# 26
 Method File: !M:\CP\GC-6\TD2.MET..ver# -45. 08/28/98 11:15:38
 Calibr File: !M:\CP\GC-6\TD2.CAL..ver# -17.
 Analysis: TEPH 60C(5')15C/M 330C(15') 1UL HT-5
 Misc1.

Pk#	Ret time min	Peak Name	Total PPM	Amount PPM	Peak Area	Peak Type	Peak Height	Ref Pk	Amount /Area	Actual Amount	Inst.
1	2.949		0.2678		3884049	BV	137259		0.6894E-07	267.75	
2	16.800		0.0910	= 0.079 = 0.012	1319810	VB	152449		0.6894E-07	90.98	
3	16.941		0.0258		374395	BB	2128		0.6894E-07	25.81	

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS = .3845462- = mg/Kg

OR 384.5462 - 78.4 = 306 ug/L (ppb) B

Total Area = 5578253

Instrument Actual Amount = 384.5462 PPM

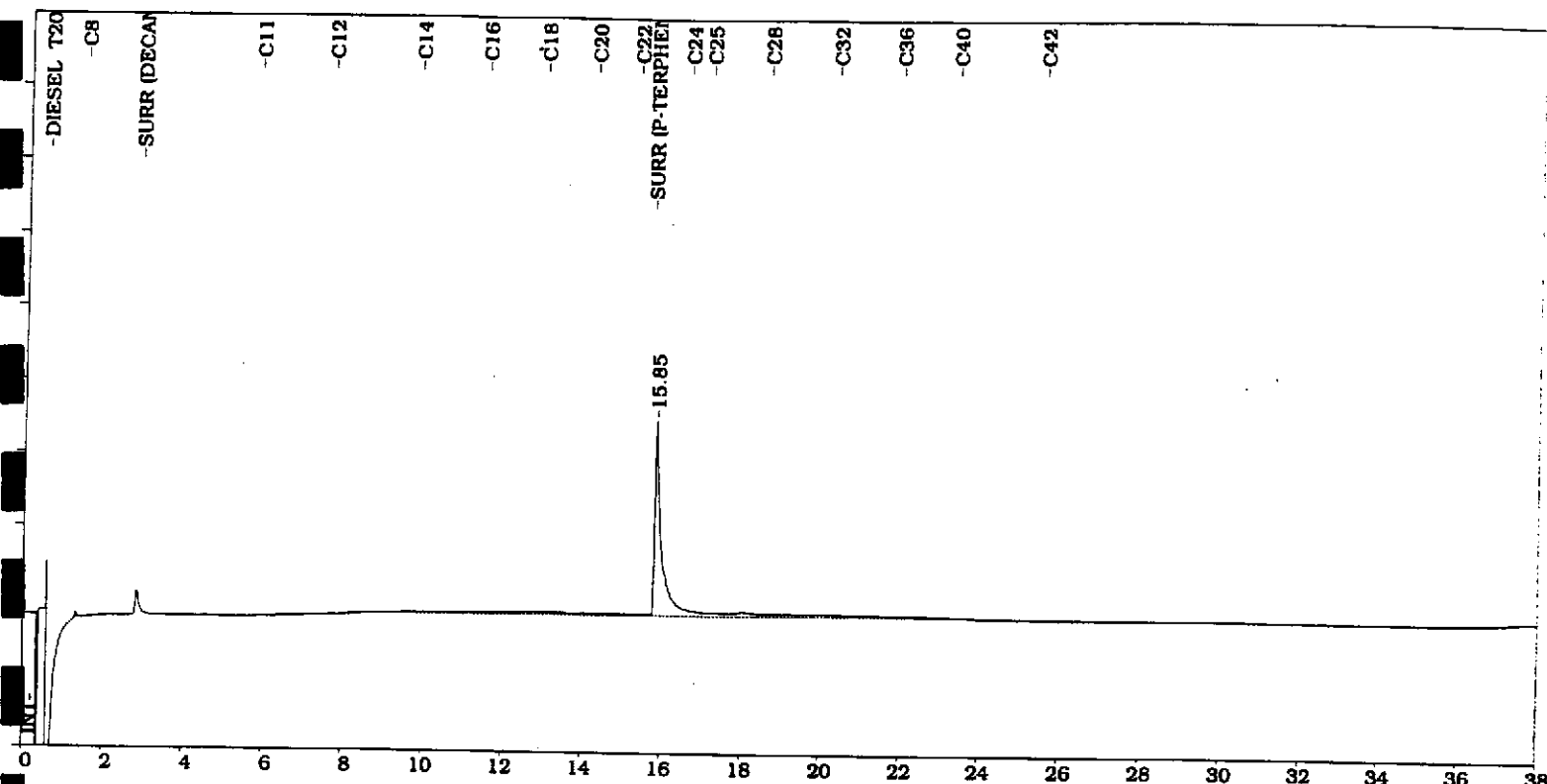
020

9/23/98

617

Sample Name=9809110-09C SECON HALF W/ SILICA GEL CLEANUP

0.0 to 38.0 min. Low Y=-50.0 High Y=220.0 mv Span=270.0



Dayton Environmental Consultants, Pleasanton, California

Sample Name: 9809110-09C SECON HALF W/ SILICA GEL CLEANUP

Printed: 09-25-1998_15:58:10

Dilution Factor: 1

Date: 09-25-1998 13:02:45

Sample Weight: 1000

Operator: DTT

Area Rejected: 100

Instrument: 02893 HP-5890
EXTERNAL STD Calibrated

Data File: M:\CP\GC-6\T24I\$.18R Cycle# 18

Method File: !M:\CP\GC-6\TD2.MET..ver# -45. 08/28/98 11:15:38

Calibr File: !M:\CP\GC-6\TD2.CAL..ver# -17.

Analysis: TEPH 60C(5')15C/M 330C(15') 1UL HT-5

Discl.

Mod 09-25-1998 15:36:02

Ret time # (min)	Peak Name	Total PPM	Amount PPM	Peak Area	Peak Type	Peak Height	Ref Pk	Amount /Area	Actual Amount	Inst.
1 15.850		0.0907		1315924	BB	71500		0.6894E-07	90.72	

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS = 9.071539E-02 = mg/Kg

OR 90.71539 - 58.3 = 32 ug/L (ppb) B

Total Area = 1315924

Instrument Actual Amount = 90.71539 PPM

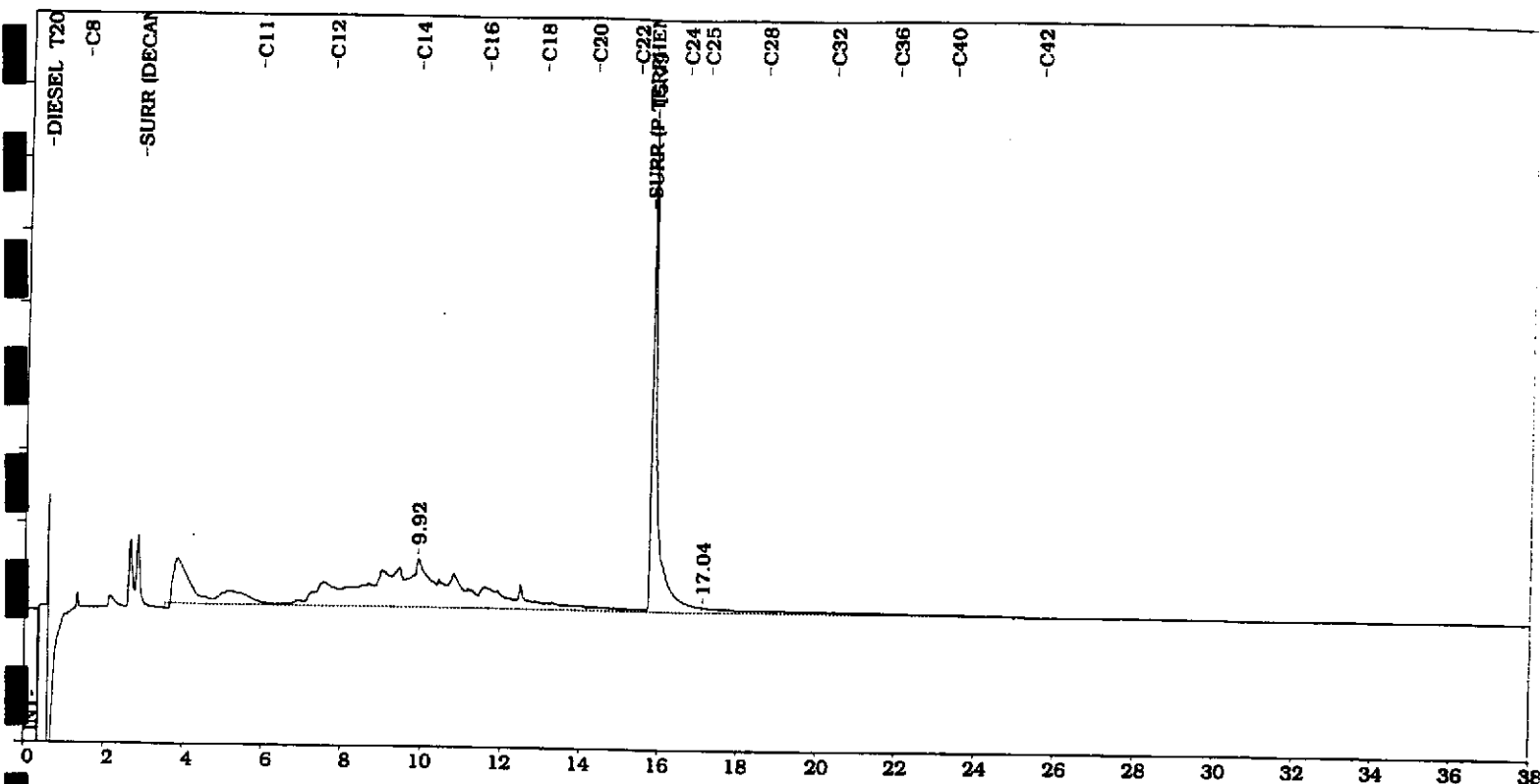
920

9/25/98

45%

Sample Name=9809110-10C SECON HALF W/ SILICA GEL CLEANUP

0.0 to 38.0 min. Low Y=-50.0 High Y=220.0 mv Span=270.0



Rayton Environmental Consultants, Pleasanton, California

Sample Name: 9809110-10C SECON HALF W/ SILICA GEL CLEANUP

Printed: 09-25-1998_15:58:13

Dilution Factor: 1

Date: 09-25-1998 13:49:45

Sample Weight: 1000

Operator: DTT

Area Rejected: 100

Instrument: 02893 HP-5890

EXTERNAL STD Calibrated

Data File: M:\CP\GC-6\T24I\$.19R Cycle# 19

Method File: !M:\CP\GC-6\TD2.MET..ver# -45. 08/28/98 11:15:38

Calibr File: !M:\CP\GC-6\TD2.CAL..ver# -17.

Analysis: TEPH 60C(5')15C/M 330C(15') 1UL HT-5

Discl.

Mod 09-25-1998 15:36:02

Ret time # (min)	Peak Name	Total PPM	Amount PPM	Peak Area	Peak Type	Peak Height	Ref Pk	Amount /Area	Actual Amount	Inst.
1 9.916		0.2512		3643817	BV	17728		0.6894E-07	251.19	
2 15.786		0.1211	<i>0.113 = 0.008</i>	1757035	VB	183039		0.6894E-07	121.12	
3 17.040		0.0170		247022	BB	1860		0.6894E-07	17.03	

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS = .3893455- = mg/Kg

OR 389.3455 - 113 = 276 ug/L (ppb) B

Total Area = 5647873

Instrument Actual Amount = 389.3455 PPM

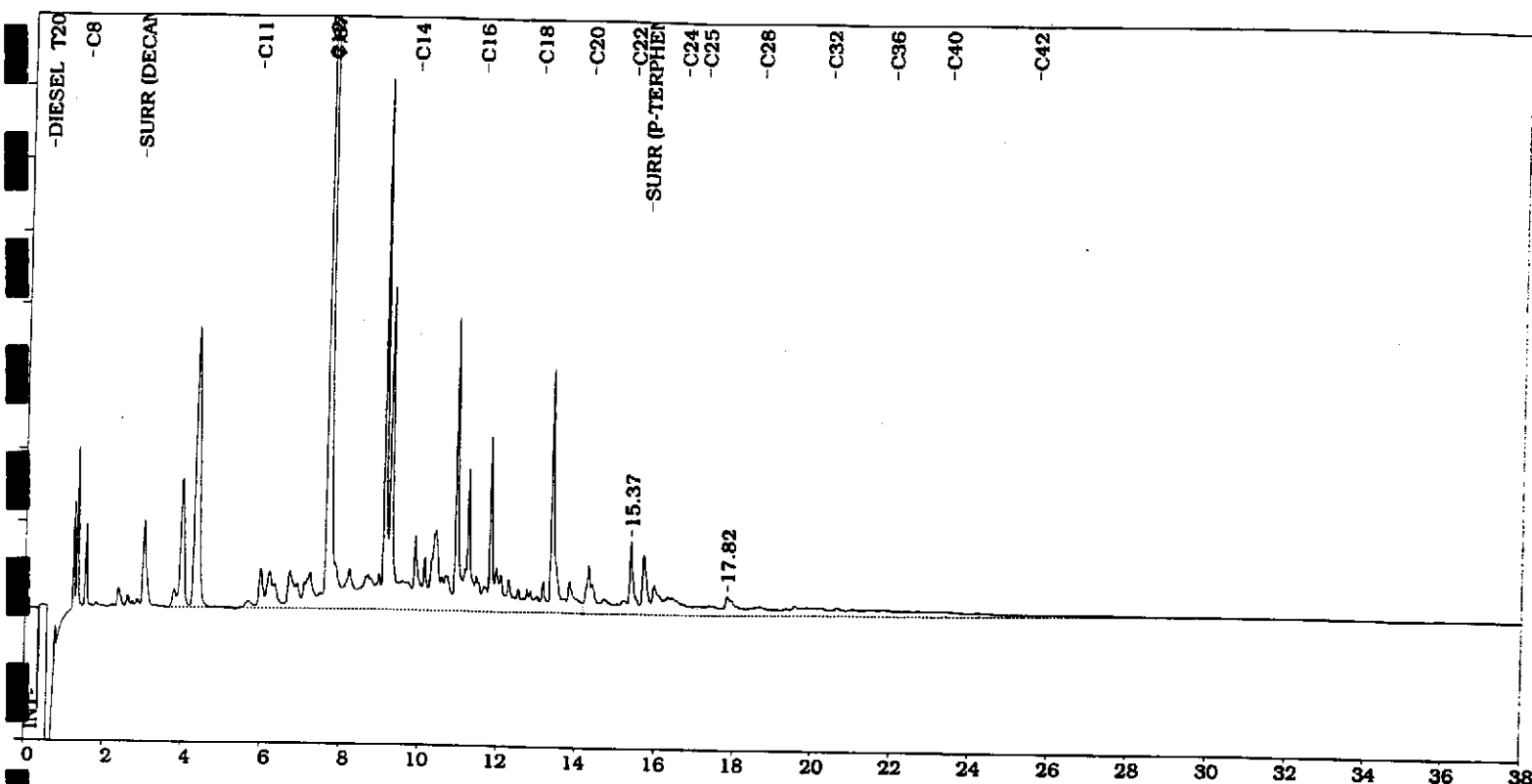
DTT

9/25/98

871.

Sample Name=9809110-11C W/ SILICA GEL CLEANUP 10X 100UL/ML

0.0 to 38.0 min. Low Y=-50.0 High Y=220.0 mv Span=270.0



Rayton Environmental Consultants, Pleasanton, California

Sample Name: 9809110-11C W/ SILICA GEL CLEANUP 10X 100UL/ML Printed: 09-25-1998_15:57:43

Dilution Factor: 10 Date: 09-24-1998 19:05:30
 Sample Weight: 1000 Operator: DTT

Area Rejected: 100 Instrument: 02893 HP-5890
 EXTERNAL_STD Calibrated

Data File: M:\CP\GC-6\T241\$.09R Cycle# 9

Method File: !M:\CP\GC-6\TD2.MET..ver# -45. 08/28/98 11:15:38

Calibr File: !M:\CP\GC-6\TD2.CAL..ver# -17.

Analysis: TEPH 60C(5')15C/M 330C(15') 1UL HT-5

Discl.

Ret time (min)	Peak Name	Total PPM	Amount PPM	Peak Area	Peak Type	Peak Height	Ref Pk	Amount /Area	Actual Amount	Inst.
7.665		7.5147		10900930	BV	768567		0.6894E-06	751.47	
15.371		0.7868	-0341 = .753	1141299	VB	27526		0.6894E-06	78.68	
17.824		0.8274		1200209	BB	7161		0.6894E-06	82.74	

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS = 9.128895- = mg/Kg

OR 9128.895 - 34.1 = 9095 ug/L (ppb) B

Total Area = 1.324244E+07

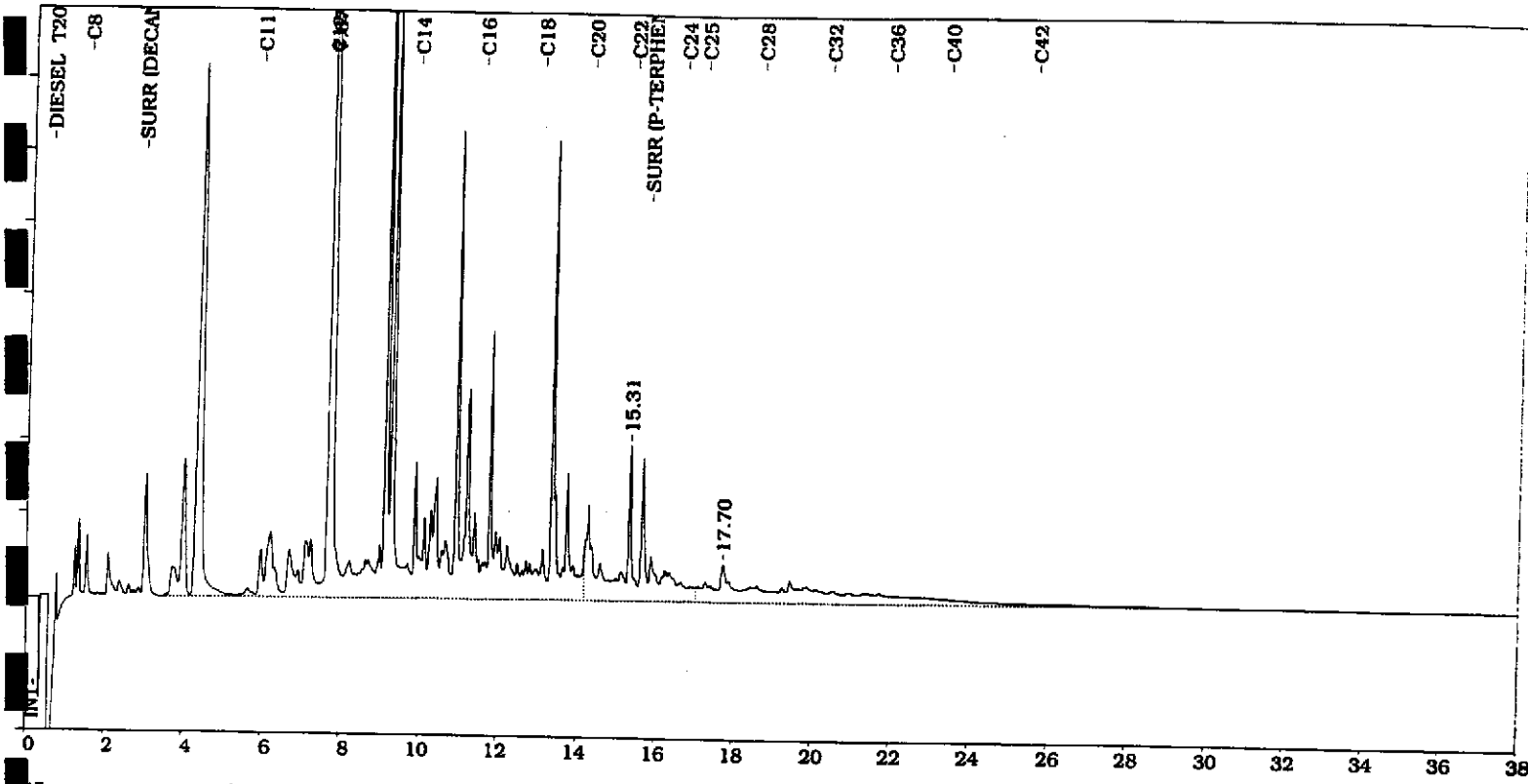
Instrument Actual Amount = 912.8895 PPM

266

DTT
9/25/98

Sample Name=9809110-12C W/ SILICA GEL CLEANUP 20X 50UL/ML

0.0 to 38.0 min. Low Y=-50.0 High Y=220.0 mv Span=270.0



Clayton Environmental Consultants, Pleasanton, California

Sample Name: 9809110-12C W/ SILICA GEL CLEANUP 20X 50UL/ML
 Printed: 09-25-1998_15:57:47

Dilution Factor: 20
 Date: 09-24-1998 19:52:35
 Sample Weight: 1000
 Operator: DTT

Area Rejected: 100
 Instrument: 02893 HP-5890
 EXTERNAL_STD Calibrated

Data File: M:\CP\GC-6\T24IS.10R Cycle# 10
 Method File: !M:\CP\GC-6\TD2.MET..ver# -45. 08/28/98 11:15:38
 Calibr File: !M:\CP\GC-6\TD2.CAL..ver# -17.

Analysis: TEPH 60C(5')15C/M 330C(15') 1UL HT-5
 Discl.

Ret time (min)	Peak Name	Total PPM	Amount PPM	Peak Area	Peak Type	Peak Height	Ref Pk	Amount /Area	Actual Amount	Inst.
7.672		23.1919		16821132	BV	971036		0.1379E-05	1159.59	
15.312		2.7201	- .090 = 2.63	1972865	VB	59025		0.1379E-05	136.00	
17.704		2.7129		1967665	BB	14105		0.1379E-05	135.64	

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS = 28.6248 - = mg/Kg

OR 28624.8 - 90 = 28500 ug/L (ppb) B

Total Area = 2.076166E+07
 Instrument Actual Amount = 1431.24 PPM

694.

DTT
 9/25/98

Clayton

LABORATORY SERVICES

REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT

Date Results Requested: STD TIT
 Rush Charges Authorized? Yes No
 Phone or Fax Results

For Clayton Use Only
 Clayton Lab Project No.

9809110

REPORT RESULTS TO	Name <u>D. WASHINGTON</u>	Client Job No.	SEND INVOICE TO	Purchase Order No. <u>70-97203.00.300</u>	
	Company <u>PLEASANTON</u>	Dept. <u>ELMR</u>		Name <u>D. WASHINGTON</u>	
	Mailing Address			Company	Dept.
	City, State, Zip			Address	
	Telephone No.	FAX No.		City, State, Zip	

Special instructions and/or specific regulatory requirements:
 (method, limit of detection, etc.)
SILICA GEL CLEANUP FOR EXTRACTION ON TPH-DIO
LAB MUST FILTER CITH-17 SAMPLES
 * Explanation of Preservative (HCC)

Samples are: (check if applicable)
 Drinking Water
 Groundwater
 Wastewater

ANALYSIS REQUESTED
 (Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.)

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	ANALYSIS REQUESTED										FOR LAB USE ONLY								
LF-2	9/10/96	1558	H2O	250 ml Poly	1	X																		
LF-2	↓	S	↓	↓	1	X																		
LF-2					AMBER LITER	1	X																	
LF-2					VOA	2	X																	
LF-4					1612	250 ml Poly	1	X																
LF-4					S	↓	↓	1	X															
LF-4								AMBER LITER	1	X														
LF-4								VOA	2	X														
LF-6					1515	250 ml Poly	1	X																
LF-6					11	↓	↓	↓	1	X														

CHAIN OF CUSTODY

Collected by: D. WATTS (print) Collector's Signature: [Signature]

Relinquished by: [Signature] Date/Time: _____ Received by: _____ Date/Time: _____

Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____

Method of Shipment: _____ Received at Lab by: _____ Date/Time: _____

Authorized by: _____ Date: _____ Sample Condition Upon Receipt: Acceptable Other (explain)

(Client Signature MUST Accompany Request)

Please return completed form and samples to one of the Clayton Group Services, Inc. labs listed below:

Detroit Regional Lab 22345 Roethel Drive Novi, MI 48375 (800) 806-5887 (248) 344-1770 FAX (248) 344-2655	Atlanta Regional Lab 400 Chastain Center Blvd., N.W., Suite 490 Kennesaw, GA 30144 (800) 252-9919 (770) 499-7500 FAX (770) 423-4990	San Francisco Regional Lab 1252 Quarry Lane Pleasanton, CA 94566 (800) 294-1755 (925) 426-2657 FAX (925) 426-0106	Seattle Regional Lab 4636 E. Marginal Way S., Suite 215 Seattle, WA 98134 (800) 568-7755 (206) 763-7364 FAX (206) 763-4189
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 Pink = Client Copy

9/97 20K

Clayton

LABORATORY SERVICES

REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT

Date Results Requested: STD TPT
 Rush Charges Authorized? Yes No
 Phone or Fax Results

Page 2 of 7

For Clayton Use Only
 Clayton Lab Project No.

9809110

REPORT RESULTS TO	Name <u>D. ASHTON</u>	Client Job No.	Purchase Order No. <u>70-97203.00.300</u>
	Company <u>PLEASANTON</u>	Dept. <u>ETC/MIL</u>	Name <u>D. ASHTON</u>
	Mailing Address		Company
	City, State, Zip		Dept.
Telephone No.	FAX No.	Address	City, State, Zip

Special instructions and/or specific regulatory requirements: (method, limit of detection, etc.)					Samples are: (check if applicable)		Number of Containers	ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.)										FOR LAB USE ONLY						
<u>SILICON GEL CLEANUP FOR EXPIRATION ON TPH-D/C</u> <u>LAB MUST FILTER CAM-17 SAMPLES</u> * Explanation of Preservative (HCL)					<input type="checkbox"/> Drinking Water <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Wastewater			<u>CAM-17</u> <u>TDS</u> <u>TPH-D/C (P)</u> <u>TPH-S/BTEX (P)</u>																
CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	VOLUME (specify units)																				
LF-8	9/10/98	1625	H2O	250 ml POLY																				
LF-8	}	S	}	↓ AMBER LITER																				
W LF-8																								
LF-8																								
LF-8																								
LF-3	}	1638	}	250 ml POLY																				
LF-3																								
W LF-3																								
LF-3																								
LF-3	}	}	}	↓ AMBER LITER																				
LF-3																								
LF-3				VOL																				

CHAIN OF CUSTODY	Collected by: <u>D. WATTS</u> (print)	Collector's Signature: <u>D. Watts</u>		
	Relinquished by: <u>D. Watts</u>	Date/Time	Received by:	Date/Time
	Relinquished by:	Date/Time	Received by:	Date/Time
	Method of Shipment:	Received at Lab by:	Date/Time	
Authorized by: _____	Date _____	Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)		

Please return completed form and samples to one of the Clayton Group Services, Inc. labs listed below:

Detroit Regional Lab 22345 Roethel Drive Novi, MI 48375 (800) 806-5887 (248) 344-1770 FAX (248) 344-2655	Atlanta Regional Lab 400 Chastain Center Blvd., N.W., Suite 490 Kennesaw, GA 30144 (800) 252-9919 (770) 499-7500 FAX (770) 423-4990	San Francisco Regional Lab 1252 Quarry Lane Pleasanton, CA 94566 (800) 294-1755 (925) 426-2657 FAX (925) 426-0106	Seattle Regional Lab 4636 E. Marginal Way S., Suite 215 Seattle, WA 98134 (800) 588-7755 (206) 763-7364 FAX (206) 763-4189
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 Yellow = Clayton Accounting
 Pink = Client Copy

9/97 20K

REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT

Date Results Requested: STD TAT

Rush Charges Authorized? Yes No
 Phone or Fax Results

For Clayton Use Only
Clayton Lab Project No.

9809110

REPORT RESULTS TO	Name <u>D. ASHTON</u>	Client Job No.	Purchase Order No. <u>70-97203.00.300</u>
	Company <u>PLEASANTON</u>	Dept.	Name <u>D. ASHTON</u>
	Mailing Address		Company
	City, State, Zip		Address
	Telephone No.	FAX No.	City, State, Zip

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added.)												FOR LAB USE ONLY
						<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">SILICA GEL CLEANUP FOR EXTRACTION ON TPH-D/O</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">LAB MUST FILTER CAM-17 SAMPLES</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">* Explanation of Preservative: (HPL)</div> </div>												
LF-7	9/10/98	1503	H2O	250 ml Poly	1	CAM-17 IDS TPH-D/O (P) TPH-G/B/DX (P)												
LF-7				↓	1													
LF-7				AMBER LITER	1													
LF-13		1450		250 ml Poly	1													
LF-13				↓	1													
LF-13				AMBER LITER	1													
LF-13				VIA	2													

CHAIN OF CUSTODY	Collected by: <u>D. WATTS</u> (print)	Collector's Signature: <u>D. WATTS</u>		
	Relinquished by: <u>D. WATTS</u>	Date/Time	Received by:	Date/Time
	Relinquished by:	Date/Time	Received by:	Date/Time
	Method of Shipment:	Received at Lab by:	Date/Time	
Authorized by: _____ Date _____	Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)			
(Client Signature MUST Accompany Request)				

**REQUEST FOR LABORATORY
ANALYTICAL SERVICES**

IMPORTANT

Date Results Requested: STD TWT
Rush Charges Authorized? Yes No
 Phone or Fax Results

For Clayton Use Only
Clayton Lab Project No.
9809110

REPORT RESULTS TO	Name <u>D. ASHTON</u>	Client Job No.	Purchase Order No. <u>70-97203.00.300</u>
	Company <u>PLEASANTON</u>	Dept.	Name <u>D. ASHTON</u>
	Mailing Address		Company
	City, State, Zip		Dept.
	Telephone No.	FAX No.	Address
			City, State, Zip

Special Instructions and/or specific regulatory requirements: (method, limit of detection, etc.)				Samples are: (check if applicable)		Number of Containers	ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added.)										FOR LAB USE ONLY
<u>SILICAT GEL CLEANUP FOR EXTRACTION ON TPH-D/O</u> <u>LAB MUST FILTER 19mm-19 SAMPLES</u> * Explanation of Preservative: <u>LCPL</u>				<input type="checkbox"/> Drinking Water <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Wastewater			<div style="display: flex; justify-content: space-between;"> <u>CAM-14</u> <u>TDS</u> <u>TPH-D/O (P)</u> <u>TPH-4/15/16 (P)</u> </div>										
CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)													
<u>LF-14</u>	<u>9/10/98</u>	<u>1525</u>	<u>H₂O</u>	<u>250 ml POLY</u>	<u>1</u>	X											
<u>LF-14</u>					<u>1</u>		X										
<u>LF-14</u>				<u>AMBER LITER</u>	<u>1</u>			X									
<u>LF-14</u>				<u>VOA</u>	<u>2</u>				X								
<u>LF-16</u>		<u>1540</u>		<u>250 ml POLY</u>	<u>1</u>	X											
<u>LF-16</u>					<u>1</u>		X										
<u>LF-16</u>				<u>AMBER LITER</u>	<u>1</u>			X									
<u>LF-16</u>				<u>VOA</u>	<u>2</u>				X								

CHAIN OF CUSTODY	Collected by: <u>D. WATTS</u> (print)	Collector's Signature: <u>D. Watts</u>		
	Relinquished by: <u>D. Watts</u>	Date/Time	Received by:	Date/Time
	Relinquished by:	Date/Time	Received by:	Date/Time
	Method of Shipment:	Received at Lab by:	Date/Time	
Authorized by: _____ Date _____ <small>(Client Signature MUST Accompany Request)</small>	Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)			

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

Detroit Regional Lab 22345 Roethel Drive Novi, MI 48375 (800) 806-5887 (248) 344-1770 FAX (248) 344-2655	Atlanta Regional Lab 400 Chastain Center Blvd., N.W., Suite 490 Kennesaw, GA 30144 (800) 252-9919 (770) 499-7500 FAX (770) 423-4990	San Francisco Regional Lab 1252 Quarry Lane Pleasanton, CA 94566 (800) 294-1755 (510) 426-2657 FAX (510) 426-0106	Seattle Regional Lab 4636 E. Marginal Way S., Suite 215 Seattle, WA 98134 (800) 568-7755 (206) 763-7364 FAX (206) 763-4189
--	---	---	--

DISTRIBUTION:
 White = Clayton Laboratory
 Yellow = Clayton Accounting
 Pink = Client Copy

11/95 20K

REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT

Date Results Requested: STD TAT
 Rush Charges Authorized? Yes No
 Phone or Fax Results

For Clayton Use Only
 Clayton Lab Project No.

9809110

REPORT RESULTS TO	Name <u>D. ASHTON</u>	Client Job No.	Purchase Order No. <u>20-97203 06.300</u>
	Company <u>PLEASANTON</u>	Dept.	Name <u>P. ASHTON</u>
	Mailing Address		Company
	City, State, Zip		Address
	Telephone No.	FAX No.	City, State, Zip

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.)										FOR LAB USE ONLY								
						1	2	3	4	5	6	7	8	9	10		11	12						
CW-3	9/10/98	1746	H ₂ O	250 mL POLY	1	X																		
CW-3	}	}	}	↓	1		X																	
CW-3				↓	1	AMBER LITEN				X														
CW-3				↓	2	VOA					X													
CW-4				1720	1	250 mL POLY	1	X																
CW-4				↓	1	↓	1		X															
CW-4				↓	1	AMBER LITEN	1			X														
CW-4				↓	2	VOA	2				X													

CHAIN OF CUSTODY	Collected by: <u>D. WATTS</u> (print)	Collector's Signature: <u>D. Watts</u>		
	Relinquished by: <u>D. Watts</u>	Date/Time	Received by:	Date/Time
	Relinquished by:	Date/Time	Received by:	Date/Time
	Method of Shipment:	Received at Lab by:	Date/Time	
Authorized by: _____	Date: _____	Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)		

Please return completed form and samples to one of the Clayton Group Services, Inc. labs listed below:

Detroit Regional Lab 22345 Roethel Drive Novi, MI 48375 (800) 806-5887 (248) 344-1770 FAX (248) 344-2655	Atlanta Regional Lab 400 Chastain Center Blvd., N.W., Suite 490 Kennesaw, GA 30144 (800) 252-9919 (770) 499-7500 FAX (770) 423-4990	San Francisco Regional Lab 1252 Quarry Lane Pleasanton, CA 94566 (800) 294-1755 (510) 426-2657 FAX (510) 426-0106	Seattle Regional Lab 4636 E. Marginal Way S., Suite 215 Seattle, WA 98134 (800) 568-7755 (206) 763-7364 FAX (206) 763-4189
--	---	---	--

DISTRIBUTION:
 White = Clayton Laboratory
 Yellow = Clayton Accounting
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San Francisco Regional Office

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(925) 426-2600
Fax (925) 426-0106

Clayton
LABORATORY
SERVICES

September 28, 1998

Mr. Don Ashton
CLAYTON ENVIRONMENTAL CONS.
1252 Quarry Lane
Pleasanton, CA 94566

Client Ref.: 70-97203.00.300
Clayton Project No.: 98091.30

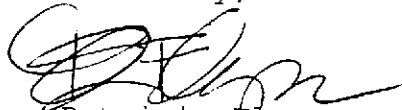
Dear Mr. Ashton:

Attached is our analytical laboratory report for the samples received on September 14, 1998. Please note that the method blank for TPH Diesel's surrogate recovery is low. The surrogate recoveries for the samples are within control limits. Also enclosed is a copy of the Chain-of-Custody record acknowledging receipt of these samples.

Please note that any unused portion of the samples will be discarded after October 28, 1998, unless you have requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Client Services at (925) 426-2657.

Sincerely,



Patricia Flynn
Client Services Representative
San Francisco Regional Office

PVF/pvf

Attachments

California DHS ELAP Certification Number 1196

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification:	MWA-1	Date Sampled:	09/11/98
Lab Number:	9809130-01C	Date Received:	09/14/98
Sample Matrix/Media:	WATER	Date Extracted:	09/16/98
Extraction Method:	EPA 3510	Date Analyzed:	09/22/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	380	50
TPH-Diesel	--	ND	400
TPH-Oil	--	ND	200
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	67	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.
Diesel detection limit increased due to presence of unknown hydrocarbons.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification:	MWA-2	Date Sampled:	09/11/98
Lab Number:	9809130-02C	Date Received:	09/14/98
Sample Matrix/Media:	WATER	Date Extracted:	09/16/98
Extraction Method:	EPA 3510	Date Analyzed:	09/22/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	180	50
TPH-Diesel	--	ND	200
TPH-Oil	--	ND	200
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	60	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.
Diesel detection limit increased due to presence of unknown hydrocarbons.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification: MW-6	Date Sampled: 09/11/98
Lab Number: 9809130-06C	Date Received: 09/14/98
Sample Matrix/Media: WATER	Date Extracted: 09/16/98
Extraction Method: EPA 3510	Date Analyzed: 09/22/98
Method Reference: EPA 8015 (Modified)	Analyst: DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	110	50
TPH-Diesel	--	ND	80
TPH-Oil	--	ND	200
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	66	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.
Diesel detection limit increased due to presence of unknown hydrocarbons.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification:	LF-15	Date Sampled:	09/11/98
Lab Number:	9809130-09C	Date Received:	09/14/98
Sample Matrix/Media:	WATER	Date Extracted:	09/16/98
Extraction Method:	EPA 3510	Date Analyzed:	09/22/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	ND	50
TPH-Diesel	--	ND	50
TPH-Oil	--	ND	200
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	62	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification: CW-8	Date Sampled: 09/11/98
Lab Number: 9809130-10C	Date Received: 09/14/98
Sample Matrix/Media: WATER	Date Extracted: 09/16/98
Extraction Method: EPA 3510	Date Analyzed: 09/22/98
Method Reference: EPA 8015 (Modified)	Analyst: DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	ND	50
TPH-Diesel	--	ND	50
TPH-Oil	--	ND	200
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	58	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification: CW-13	Date Sampled: 09/11/98
Lab Number: 9809130-12C	Date Received: 09/14/98
Sample Matrix/Media: WATER	Date Extracted: 09/16/98
Extraction Method: EPA 3510	Date Analyzed: 09/25/98
Method Reference: EPA 8015 (Modified)	Analyst: DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	ND	50
TPH-Diesel	--	ND	50
TPH-Oil	--	ND	200
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	72	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9809130-13A	Date Received:	--
Sample Matrix/Media:	WATER	Date Extracted:	09/16/98
Extraction Method:	EPA 3510	Date Analyzed:	09/21/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	ND	50
TPH-Diesel	--	ND	50
TPH-Oil	--	ND	200
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	32	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification: MWA-1	Date Sampled: 09/11/98
Lab Number: 9809130-01E	Date Received: 09/14/98
Sample Matrix/Media: WATER	Date Prepared: 09/15/98
Preparation Method: EPA 5030	Date Analyzed: 09/15/98
Method Reference: EPA 8015/8020	Analyst: FHK

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	1.1	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	1.0	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	250	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	95	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification:	MWA-2	Date Sampled:	09/11/98
Lab Number:	9809130-02E	Date Received:	09/14/98
Sample Matrix/Media:	WATER	Date Prepared:	09/15/98
Preparation Method:	EPA 5030	Date Analyzed:	09/15/98
Method Reference:	EPA 8015/8020	Analyst:	FHK

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	0.5	0.3
Toluene	108-88-3	0.8	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	0.5	0.4
Gasoline	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	105	50 - 150

ND: Not detected at or above limit of detection
 ---: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification:	MW-6	Date Sampled:	09/11/98
Lab Number:	9809130-06E	Date Received:	09/14/98
Sample Matrix/Media:	WATER	Date Prepared:	09/15/98
Preparation Method:	EPA 5030	Date Analyzed:	09/15/98
Method Reference:	EPA 8015/8020	Analyst:	FHK

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>			
		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	95	50 - 150

ND: Not detected at or above limit of detection
 ---: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification:	CW-8	Date Sampled:	09/11/98
Lab Number:	9809130-10E	Date Received:	09/14/98
Sample Matrix/Media:	WATER	Date Prepared:	09/15/98
Preparation Method:	EPA 5030	Date Analyzed:	09/15/98
Method Reference:	EPA 8015/8020	Analyst:	FHK

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	0.4	0.3
Toluene	108-88-3	0.7	0.3
o-Xylene	95-47-6	0.4	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	83	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification:	CW-13	Date Sampled:	09/11/98
Lab Number:	9809130-12E	Date Received:	09/14/98
Sample Matrix/Media:	WATER	Date Prepared:	09/15/98
Preparation Method:	EPA 5030	Date Analyzed:	09/15/98
Method Reference:	EPA 8015/8020	Analyst:	FHK

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	75	50 - 150

ND: Not detected at or above limit of detection
 ---: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification: METHOD BLANK	Date Sampled: --
Lab Number: 9809130-13A	Date Received: --
Sample Matrix/Media: WATER	Date Prepared: 09/15/98
Preparation Method: EPA 5030	Date Analyzed: 09/15/98
Method Reference: EPA 8015/8020	Analyst: FHK

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>			
		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	101	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification: MWA-1
Lab Number: 9809130-01
Sample Matrix/Media: WATER

Date Sampled: 09/11/98
Date Received: 09/14/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.06	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	3.5	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	0.03	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	1.3	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	0.84	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/15/98	--	
Molybdenum, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	0.64	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	0.09	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	6600	10	mg/L	--	09/17/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	1800	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification: MWA-2
Lab Number: 9809130-02
Sample Matrix/Media: WATER

Date Sampled: 09/11/98
Date Received: 09/14/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	0.24	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	1.9	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/16/98	--	
Molybdenum, dissolved	0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	0.05	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	1500	10	mg/L	--	09/17/98	--	EPA 160.1
Vanadium, dissolved	0.04	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	1.1	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification: MWA-3
Lab Number: 9809130-03
Sample Matrix/Media: WATER

Date Sampled: 09/11/98
Date Received: 09/14/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.15	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	0.03	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/16/98	--	
Molybdenum, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	1800	10	mg/L	--	09/17/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	4.2	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification: MW-4
Lab Number: 9809130-04
Sample Matrix/Media: WATER

Date Sampled: 09/11/98
Date Received: 09/14/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.08	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	0.25	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	0.02	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	0.05	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	0.08	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/16/98	--	
Molybdenum, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	0.89	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	7800	10	mg/L	--	09/17/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	1400	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification: MW-5
Lab Number: 9809130-05
Sample Matrix/Media: WATER

Date Sampled: 09/11/98
Date Received: 09/14/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.47	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/16/98	--	
Molybdenum, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	0.07	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	2800	10	mg/L	--	09/17/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.17	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification: MW-6
Lab Number: 9809130-06
Sample Matrix/Media: WATER

Date Sampled: 09/11/98
Date Received: 09/14/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.18	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	0.008	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/16/98	--	
Molybdenum, dissolved	0.04	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	0.12	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	3400	10	mg/L	--	09/17/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.11	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification: MW-7
Lab Number: 9809130-07
Sample Matrix/Media: WATER

Date Sampled: 09/11/98
Date Received: 09/14/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	1.2	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/16/98	--	
Molybdenum, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	5900	10	mg/L	--	09/17/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.13	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification: MW-8 ✓
Lab Number: 9809130-08
Sample Matrix/Media: WATER

Date Sampled: 09/11/98
Date Received: 09/14/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.09	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	0.010	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/16/98	--	
Molybdenum, dissolved	0.03	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	1800	10	mg/L	--	09/17/98	--	EPA 160.1
Vanadium, dissolved	0.02	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.07	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification: LF-15
Lab Number: 9809130-09
Sample Matrix/Media: WATER

Date Sampled: 09/11/98
Date Received: 09/14/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	0.17	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.08	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	0.02	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	2.5	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	11	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	0.03	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	0.14	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/16/98	--	
Molybdenum, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	31	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	0.24	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	0.04	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	0.77	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	30000	10	mg/L	--	09/17/98	--	EPA 160.1
Vanadium, dissolved	0.010	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	1900	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification: CW-8
Lab Number: 9809130-10
Sample Matrix/Media: WATER

Date Sampled: 09/11/98
Date Received: 09/14/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	1.1	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/16/98	--	
Molybdenum, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	8700	10	mg/L	--	09/17/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.08	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification: CW-9
Lab Number: 9809130-11
Sample Matrix/Media: WATER

Date Sampled: 09/11/98
Date Received: 09/14/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.53	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	0.02	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	0.02	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/16/98	--	
Molybdenum, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	0.07	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	21000	10	mg/L	--	09/17/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.02	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification: CW-13
Lab Number: 9809130-12
Sample Matrix/Media: WATER

Date Sampled: 09/11/98
Date Received: 09/14/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	0.09	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.11	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	1.4	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	1.4	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/16/98	--	
Molybdenum, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	2.8	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	8600	10	mg/L	--	09/17/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	1900	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.30

Sample Identification: METHOD BLANK
Lab Number: 9809130-13
Sample Matrix/Media: WATER

Date Sampled: --
Date Received: --

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Barium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/16/98	--	EPA 200.7
Molybdenum, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	<10	10	mg/L	--	09/17/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7
Zinc, dissolved	<0.01	0.01	mg/L	09/16/98	09/17/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection

--: Information not available or not applicable

EXTRACTION LOG

Date of Extraction: 9/16/98 Time: 0825 By: RL QC Batch # 980916 W: 1 TPHDWX

MS/MSD Batch # 980916 W: 1

Method: EPA 3510/600/500 (Sep. Funnel Liq-Liq) | EPA 3520/600/500 (Continue Liq-Liq) | Other _____

Extraction Solvent: M.C.I₂ Volume Used/Each: 150 mL Source/Lot No: B3H BET23/135673

Exchange Solvent: N/A Volume Used/Each: N/A mL Source/Lot No: N/A N/A

Surrogate Soln # E980501-01 Concentration: 73/1000 ug/mL Volume Added: 2.0 mL

Spike Solution # E980810-01/E971216-02 Concentration: 10,000 ug/mL Volume Added: 0.1 mL

1393

T213.6

Laboratory Number	Matrix	Initial pH	pH. Adj.		Sample Wt. or Vol (g or mL)	Final Vol. (mL)	Conc. by	MS Bch Ctn	Comments
			1st	2nd					
1	METHOD BLANK	H ₂ O	5.5		1000	1.5	RLM	XXX	(6)
2	LCS 1 (diesel)		5		1000			XXX	
3	LCS 2 ↓		5		1000			XXX	
4	LCS 3 (m.oil)		5		1000			XXX	
5	980909-03C		2		1000				(5)
6	-06C		2		1000				↓
7	-07C		2		1000				
8	-09C		2		1000				
9	↓ -10C		2		1000				
10	980910-01C		2		1000				
11	-02C		2		1000				
12	-04C		2		1000				
13	-05C		2		1000				
14	-06C		2		1000				
15	-07C		2		1000				
16	-08C		2		1000				
17	-09C		2		1000				
18	↓ -10C		2		1000				
19	K120913C -01C		2		1000				(5)
20	-02C		2		1000				
21	-06C		2		1000				
22	-04C		2		1000				
23	-10C		2		1000				
24	-12C		2		1000				

Clear by: Acid Filter GPC Silica Gel Sulfur Other _____ By: RLM

- Limited sample amount provided
- Smaller sample amount used due to matrix interference
- Sodium sulfate and additional solvent added due to emulsion of the extract
- Centrifugation method is employed due to heavy emulsion of the extract

needed silica gel clean up
did silica gel clean up on 1/2 of extract

Date of Sample: 9/17/98 Received by: RLM

Funnel Liquid-Liquid Extraction Preparation Log - Environmental Batch 393

Batch Opened: 9/16/98

Matrix/ Media: water

Preparation Method: 3510B Separatory Funnel Liquid-Liqu

Cleanup Procedure: Silic

Analyst KS

Additional Cleanup: #Error

tphdwx w/ silica gel cleanup

Client Name: **CEC EEP**

Project Number Date Prepare Samples Analyst

Vi (wet, g. or mLs) Final (mL) Pan Weight Wet Weight Pan Dry Weight Samp Dry (g) % Moisture Solvents Solvent Lot Nos. Surrogate Spike PPM Matrix Spike PPM

9809099	9/16/98	3,6,7,9,10C		1000	1	0	0	0	1000.0	0	Methylene Chloride	BR727	E980501-01 0.1 mL	#Error	E980810-0 0.1 mL	#Error
9809110	9/16/98	02C		990	1	0	0	0	990.0	0	Methylene Chloride	BR727	E980501-01 0.1 mL	#Error	E980810-0 0.1 mL	#Error
9809110	9/16/98	1,4,5,6,7,8,9,10		1000	1	0	0	0	1000.0	0	Methylene Chloride	BR727	E980501-01 0.1 mL	#Error	E980810-0 0.1 mL	#Error
9809130	9/16/98	1,2,6,9,10,12C		1000	1	0	0	0	1000.0	0	Methylene Chloride	BR727	E980501-01 0.1 mL	#Error	E980810-0 0.1 mL	#Error

Client Name: **QC**

Project Number Date Prepare Samples Analyst

Vi (wet, g. or mLs) Final (mL) Pan Weight Wet Weight Pan Dry Weight Samp Dry (g) % Moisture Solvents Solvent Lot Nos. Surrogate Spike PPM Matrix Spike PPM

QC	9/16/98	980916W1L1		1000	1	0	0	0	1000.0	0	Methylene Chloride	BR727	E980501-01 0.1 mL	#Error	E980810-0 0.1 mL	#Error
QC	9/16/98	980916W1L2		1000	1	0	0	0	1000.0	0	Methylene Chloride	BR727	E980501-01 0.1 mL	#Error	E980810-0 0.1 mL	#Error
QC	9/16/98	980916W1L3		1000	1	0	0	0	1000.0	0	Methylene Chloride	BR727	E980501-01 0.1 mL	#Error	E980810-0 0.1 mL	#Error
QC	9/16/98	980916W1MB		1000	1	0	0	0	1000.0	0	Methylene Chloride	BR727	E980501-01 0.1 mL	#Error	E980810-0 0.1 mL	#Error

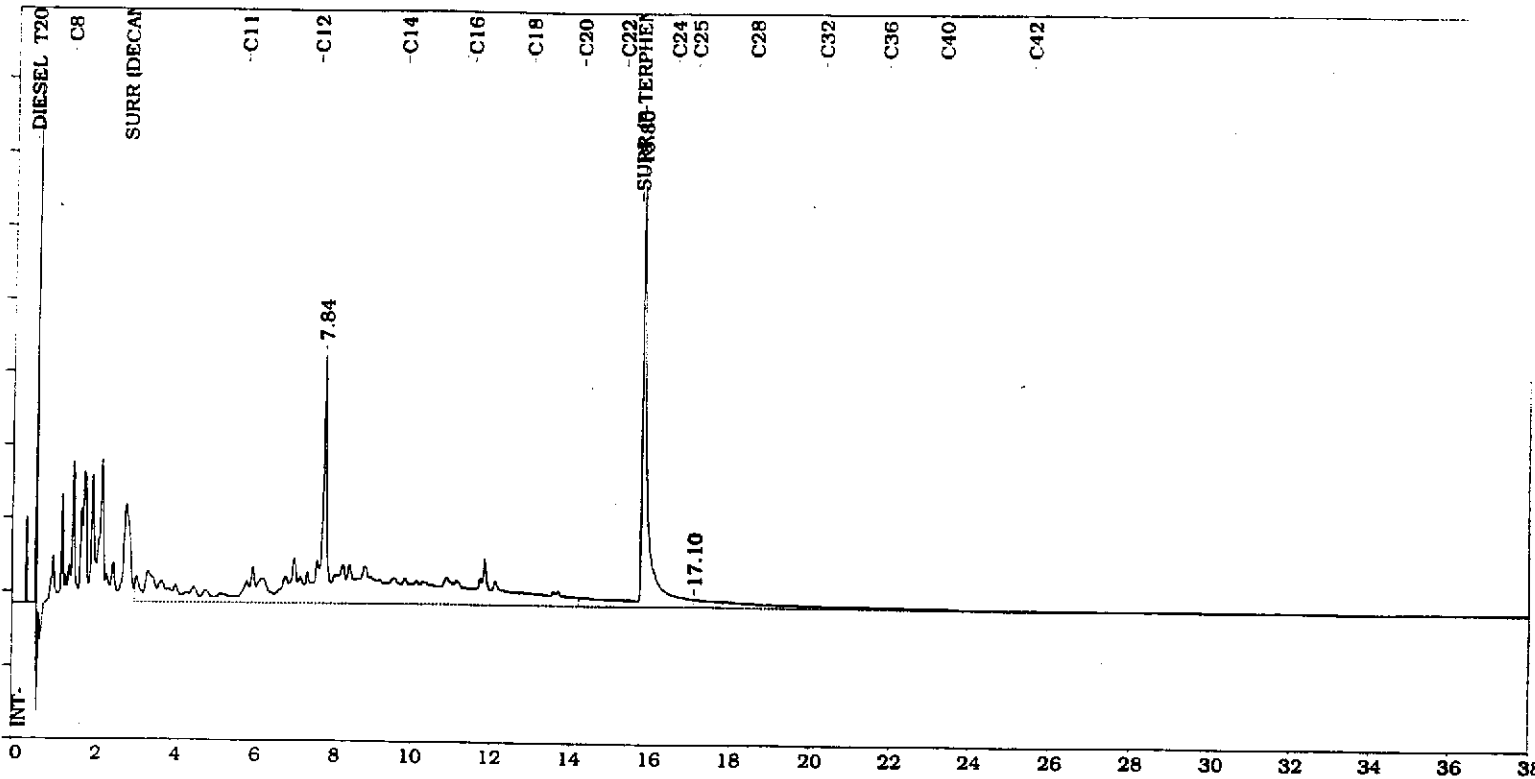
QC Organics Quality Assurance Summary - Environmental

Batch Number 393 **Cleanup Methods** Silica Gel
Date Prepared 9/16/98 **Preparation Analyst** KS **Preparation Met** 3510B **Spike Source** E980810-01 **Matrix** Water
Date Analyzed 9/21/98 **Inst. Analyst** DTT **Instrument** 02893 **Spk. Smpl. ID** 980916W1

Analyte	Instrument Method	Units	Blank Result	Spike Level	LCS Result	LCS % Recovery	LCSD Result	LCSD % Recovery	Spike Sample Result	MS Result	MS % Recovery	MSD Result	MSD % Recovery	Average % Recovery	RPD %	Comments
Diesel	8015	ug/L	< 1	3+03	789	79	538	54	0	N/A	N/A	N/A	N/A	66.5	38	
SURR p-Terphenyl	8015	ug/L	< 1	100	76	76	85	85	0	N/A	N/A	N/A	N/A	80.5	11	

Sample Name=9809130-01C W/ SILICA GEL CLEANUP

0.0 to 38.0 min. Low Y=-50.0 High Y=220.0 mv Span=270.0



Clayton Environmental Consultants, Pleasanton, California

Sample Name: 9809130-01C W/ SILICA GEL CLEANUP Printed: 09-23-1998_10:58:34

Dilution Factor: 1 Date: 09-22-1998 16:24:04
 Sample Weight: 1000 Operator: DTT

Area Rejected: 100 Instrument: 02893 HP-5890
 EXTERNAL_STD Calibrated

Data File: M:\CP\GC-6\T21I\$.29R Cycle# 29
 Method File: !M:\CP\GC-6\TD2.MET..ver# -45. 08/28/98 11:15:38
 Calibr File: !M:\CP\GC-6\TD2.CAL..ver# -17.
 Analysis: TEPH 60C(5')15C/M 330C(15') 1UL HT-5
 Misc1.

Ret time	Total	Amount	Peak	Peak	Peak	Ref	Amount	Actual	Inst.
Pk#	'min	Peak Name	PPM	Area	Type	Height	Pk	/Area	Amount
1	7.833		0.3265	4735682	BV	92657		0.6894E-07	326.46
2	15.801		0.1125	1631971	VB	158856		0.6894E-07	112.50
3	17.099		0.0264	382636	BB	2664		0.6894E-07	26.38

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS = .4653423- = mg/Kg
 OR 465.3423 - 87 = 378 ug/L (ppb) B

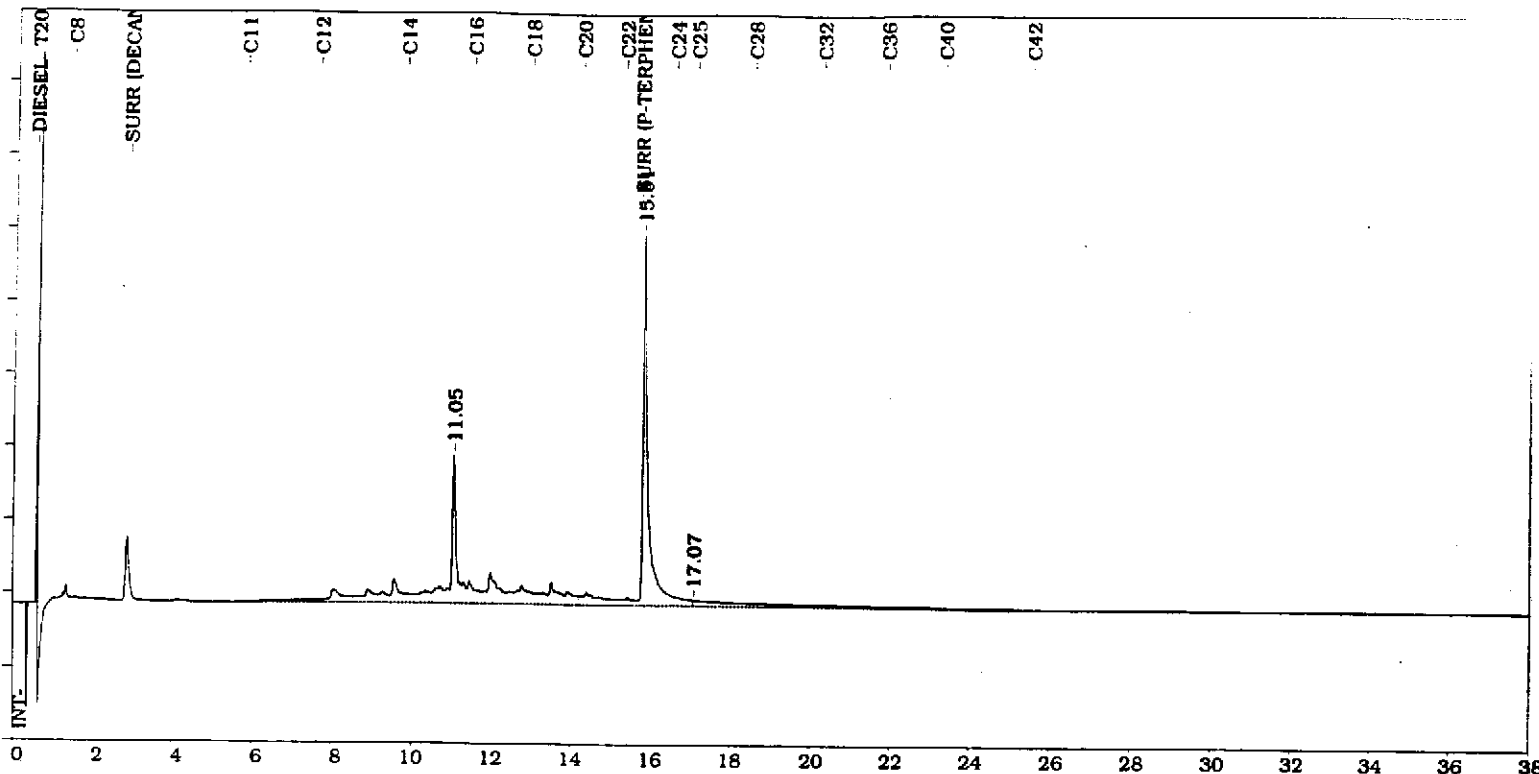
Total Area = 6750288
 Instrument Actual Amount = 465.3423 PPM

ITCO
 9/23/98

671.

Sample Name=9809130-02C W/ SILICA GEL CLEANUP

0.0 to 38.0 min. Low Y=-50.0 High Y=220.0 mv Span=270.0



Clayton Environmental Consultants, Pleasanton, California

Printed: 09-23-1998_10:58:36

Sample Name: 9809130-02C W/ SILICA GEL CLEANUP

Date: 09-22-1998 17:11:18

Dilution Factor: 1

Operator: DTT

Sample Weight: 1000

Instrument: 02893 HP-5890

EXTERNAL STD Calibrated

Area Rejected: 100

Data File: M:\CP\GC-6\T21I\$.30R Cycle# 30

Method File: !M:\CP\GC-6\TD2.MET..ver# -45. 08/28/98 11:15:38

Calibr File: !M:\CP\GC-6\TD2.CAL..ver# -17.

Analysis: TEPH 60C(5')15C/M 330C(15') 1UL HT-5

Miscl.

Ret time	Total	Amount	Peak	Peak	Peak	Ref	Amount	Actual	Inst.
Pk#	(min)	Peak Name	PPM	Area	Type	Height	Pk	/Area	Amount
1	11.050		0.1312	1902492	BV	54444		0.6894E-07	131.15
2	15.807		0.1021	1481514	VB	141720		0.6894E-07	102.13
3	17.067		0.0218	316358	BB	1950		0.6894E-07	21.81

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS = .2550907- = mg/Kg

OR 255.0907 - 79 = 176 ug/L (ppb) B

Total Area = 3700364

Instrument Actual Amount = 255.0907 PPM

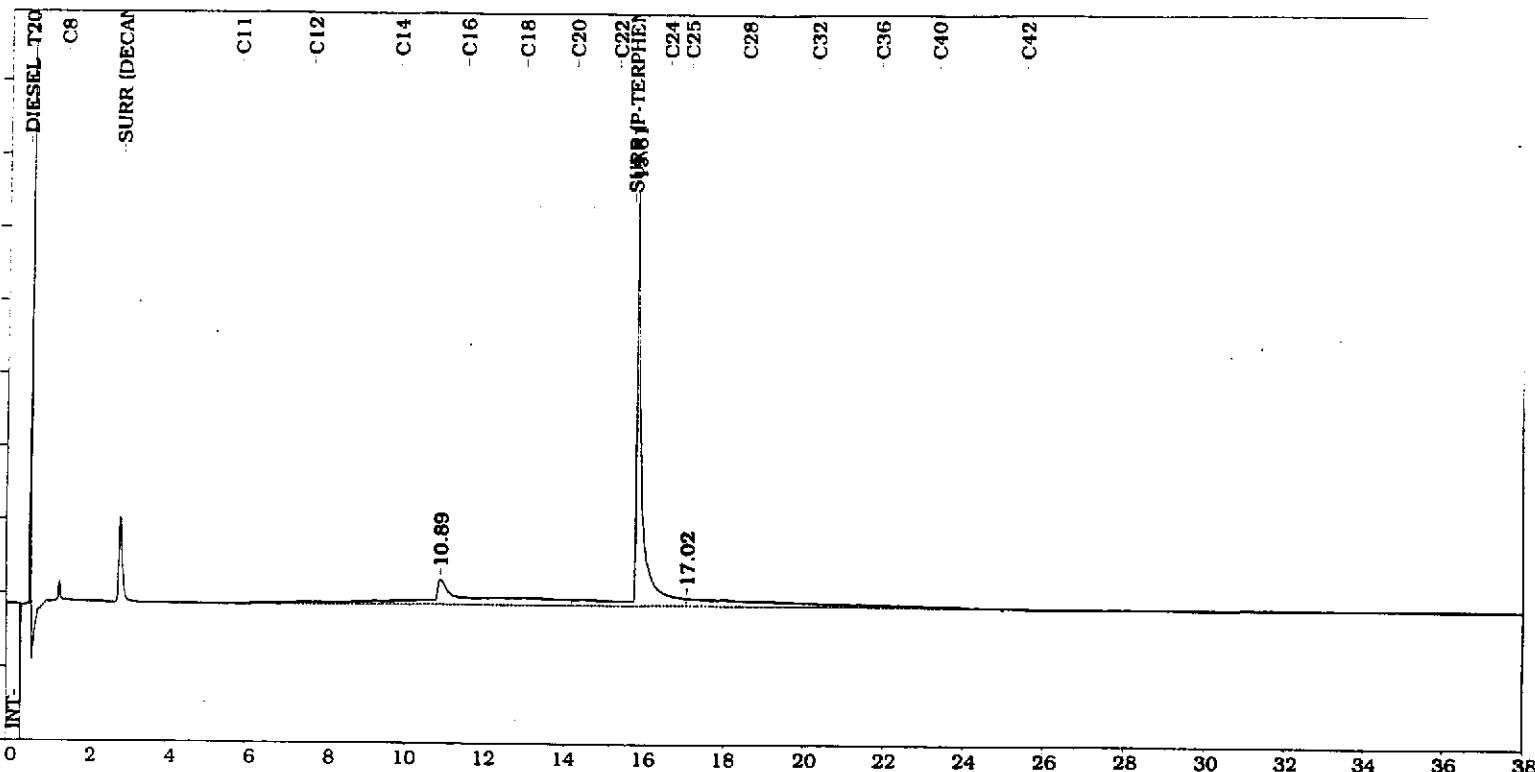
DTT

9/23/98

607

Sample Name=9809130-06C W/ SILICA GEL CLEANUP

0.0 to 38.0 min. Low Y=-50.0 High Y=220.0 mv Span=270.0



Clayton Environmental Consultants, Pleasanton, California

Printed: 09-23-1998_10:58:38

Sample Name: 9809130-06C W/ SILICA GEL CLEANUP

Date: 09-22-1998 17:58:27

Dilution Factor: 1

Operator: DTT

Sample Weight: 1000

Instrument: 02893 HP-5890

EXTERNAL_STD Calibrated

Area Rejected: 100

Data File: M:\CP\GC-6\T21I\$.31R Cycle# 31

Method File: !M:\CP\GC-6\TD2.MET..ver# -45. 08/28/98 11:15:38

Calibr File: !M:\CP\GC-6\TD2.CAL..ver# -17.

Analysis: TEPH 60C(5')15C/M 330C(15') 1UL HT-5

Miscl.

PK#	Ret time (min)	Peak Name	Total PPM	Amount PPM	Peak Area	Peak Type	Peak Height	Ref PK	Amount /Area	Actual Amount	Inst.
1	10.895		0.0555		804950	BV	9049		0.6894E-07	55.49	
2	15.814		0.1067		1547769	VB	153748		0.6894E-07	106.70	
3	17.021		0.0373		541645	BB	2713		0.6894E-07	37.34	

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS = .1995278- = mg/Kg

OR 199.5278 - 86 = 114 ug/L (ppb) B

Total Area = 2894364

Instrument Actual Amount = 199.5278 PPM

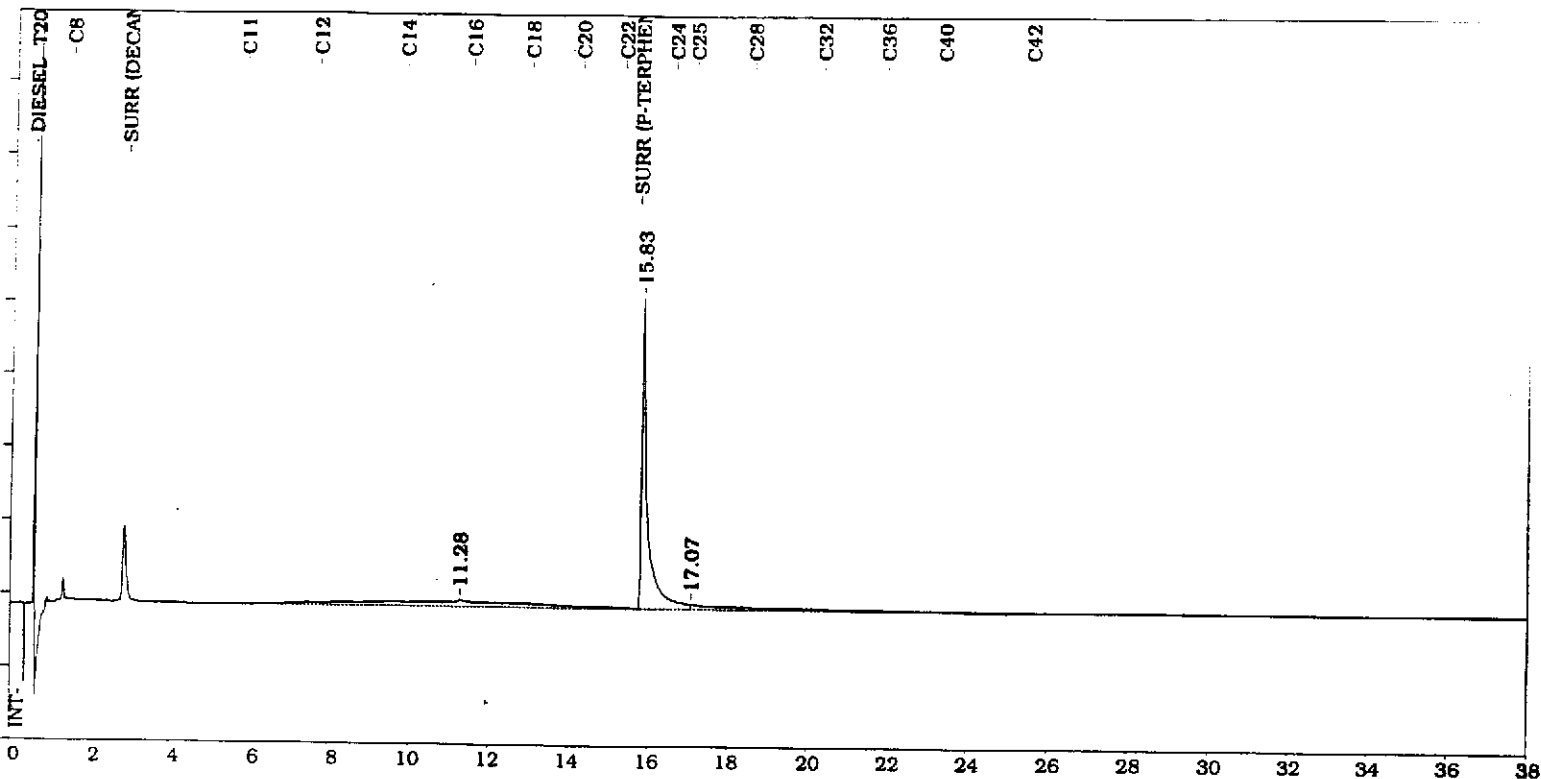
DTFO

9/23/98

66%

Sample Name=9809130-09C W/ SILICA GEL CLEANUP

0.0 to 38.0 min. Low Y=-50.0 High Y=220.0 mv Span=270.0



Clayton Environmental Consultants, Pleasanton, California

Sample Name: 9809130-09C W/ SILICA GEL CLEANUP Printed: 09-23-1998_10:58:41

Dilution Factor: 1
Sample Weight: 1000

Date: 09-22-1998 18:45:33
Operator: DTT

Area Rejected: 100

Instrument: 02893 HP-5890
EXTERNAL_STD Calibrated

Data File: M:\CP\GC-6\T21I\$.32R Cycle# 32

Method File: !M:\CP\GC-6\TD2.MET..ver# -45. 08/28/98 11:15:38

Calibr File: !M:\CP\GC-6\TD2.CAL..ver# -17.

Analysis: TEPH 60C(5')15C/M 330C(15') 1UL HT-5

Miscl.

PK#	Ret time min	Peak Name	Total PPM	Amount PPM	Peak Area	Peak Type	Peak Height	Ref Pk	Amount /Area	Actual Amount	Inst.
1	11.284		0.0344		499084	BV	2438		0.6894E-07	34.41	
2	15.833		0.0830		1203539	VB	115180		0.6894E-07	82.97	
3	17.067		0.0126		183378	BB	1682		0.6894E-07	12.64	

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS = .1300146- = mg/Kg

OR 130.0146 - 81 = 49 ug/L (ppb) B

Total Area = 1886001

Instrument Actual Amount = 130.0146 PPM

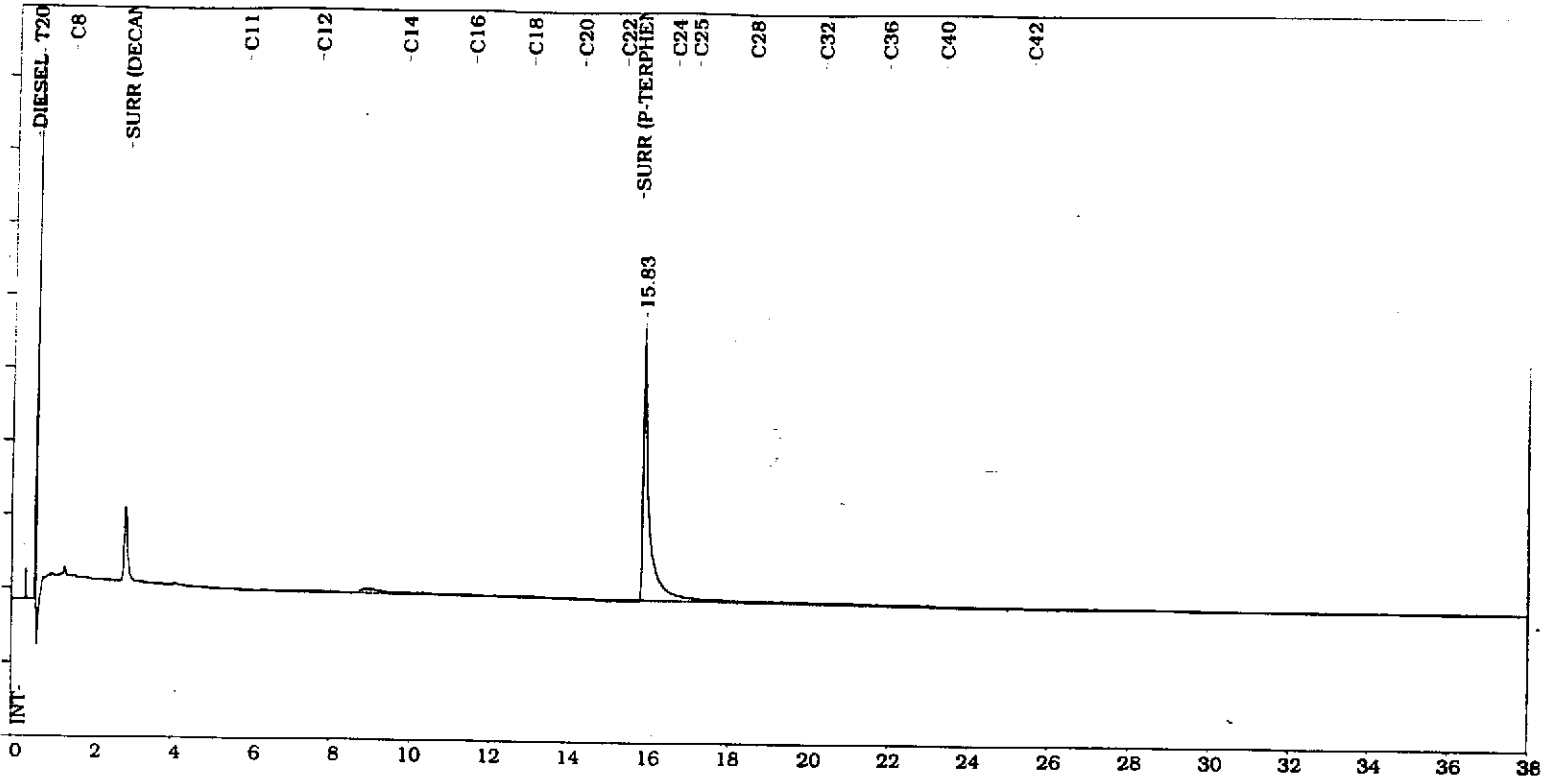
070

9/23/98

621

Sample Name=9809130-10C W/ SILICA GEL CLEANUP

0.0 to 38.0 min. Low Y=-50.0 High Y=220.0 mv Span=270.0



Clayton Environmental Consultants, Pleasanton, California

Sample Name: 9809130-10C W/ SILICA GEL CLEANUP Printed: 09-23-1998_10:58:44

Dilution Factor: 1
Sample Weight: 1000

Date: 09-22-1998 19:32:35
Operator: DTT

Area Rejected: 100

Instrument: 02893 HP-5890
EXTERNAL_STD Calibrated

Data File: M:\CP\GC-6\T21I\$.33R Cycle# 33
Method File: !M:\CP\GC-6\TD2.MET..ver# -45. 08/28/98 11:15:38
Calibr File: !M:\CP\GC-6\TD2.CAL..ver# -17.
Analysis: TEPH 60C(5')15C/M 330C(15') 1UL HT-5
Miscl.

Ret time	Total	Amount	Peak	Peak	Peak	Ref	Amount	Actual	Inst.
Pk#	(min)	Peak Name	PPM	Area	Type	Height	Pk	/Area	Amount
1	15.833		0.0884	1283056	BB	102811		0.6894E-07	88.45

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS = 8.844958E-02 = mg/Kg

OR 88.44958 - 76 = ND ug/L (ppb) B

Total Area = 1283056

Instrument Actual Amount = 88.44958 PPM

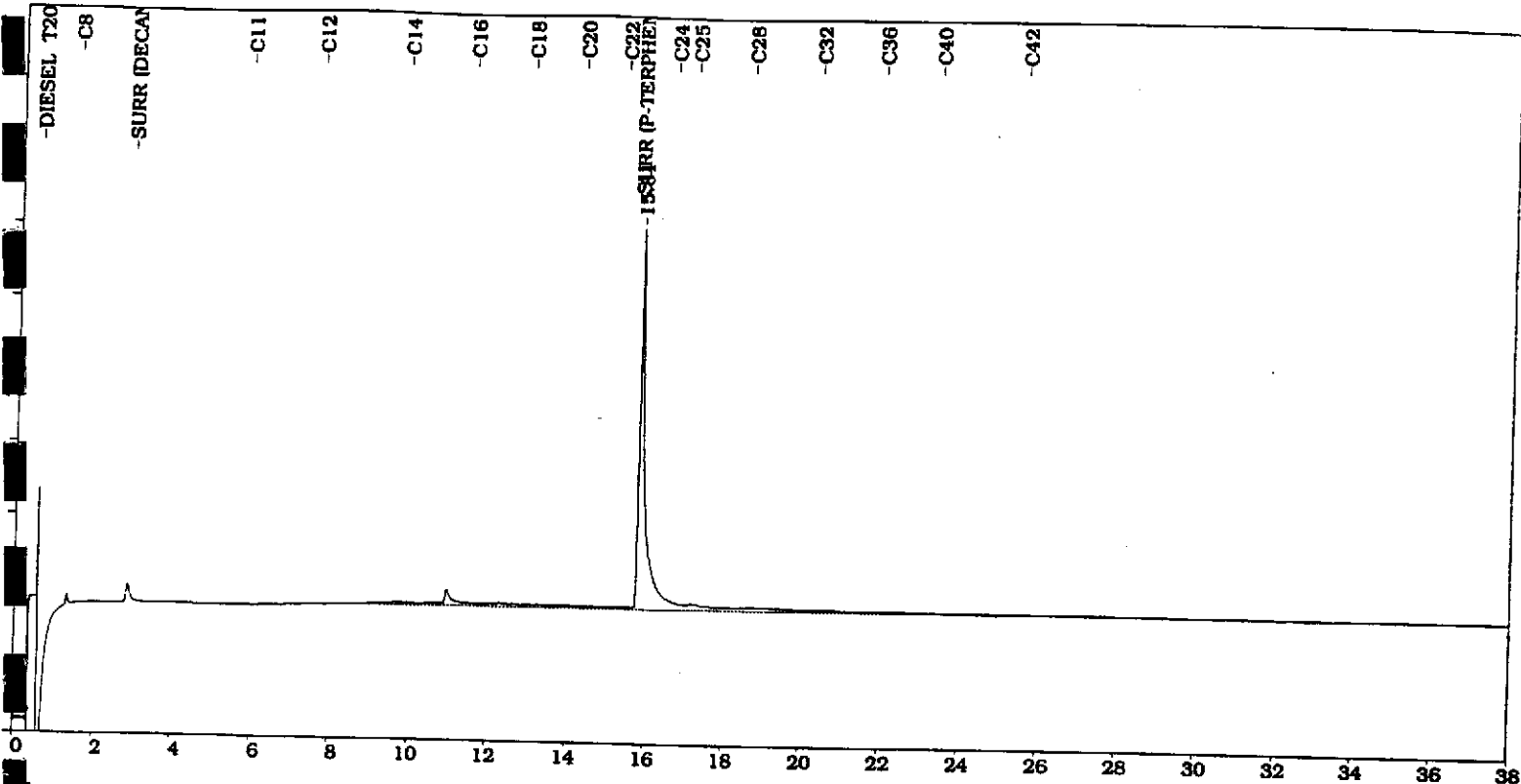
DTT

58/

9/23/98

Sample Name=9809113-12C SECON HALF W/ SILICA GEL CLEANUP

0.0 to 38.0 min. Low Y=-50.0 High Y=220.0 mv Span=270.0



Dayton Environmental Consultants, Pleasanton, California

Sample Name: 9809113-12C SECON HALF W/ SILICA GEL CLEANUP Printed: 09-25-1998_16:01:14

Dilution Factor: 1 Date: 09-25-1998 14:38:45
 Sample Weight: 1000 Operator: DTT

Area Rejected: 100 Instrument: 02893 HP-5890
 Data File: M:\CP\GC-6\T24I\$.20R Cycle# 20 EXTERNAL STD Calibrated

Method File: !!M:\CP\GC-6\TD2.MET..ver# -45. 08/28/98 11:15:38

Calibr File: !!M:\CP\GC-6\TD2.CAL..ver# -17.
 Analysis: TEPH 60C(5')15C/M 330C(15') 1UL HT-5

Mscl. Mod 09-25-1998 16:00:27

Peak	Ret time (min)	Peak Name	Total PPM	Amount PPM	Peak Area	Peak Type	Peak Height	Ref Pk	Amount /Area	Actual Amount	Inst.
1	15.805		0.1411		2047132	BB	144113		0.6894E-07	141.12	

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS = .1411225- = mg/Kg

OR 141.1225 - 94 = 47 ug/L (ppb) B

Total Area = 2047132
 Instrument Actual Amount = 141.1225 PPM

DTW
 9/25/98

726

Clayton

LABORATORY SERVICES

REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT

Date Results Requested: STD FAT
 Rush Charges Authorized? Yes No
 Phone or Fax Results

For Clayton Use Only
 Clayton Lab Project No.
9809130

REPORT RESULTS TO	Name <u>D. ASHTON</u>	Client Job No.	Purchase Order No. <u>70-97203.00-300</u>
	Company <u>PLEASANTON</u>	Dept.	Name <u>D. ASHTON</u>
	Mailing Address		Company
	City, State, Zip		Dept.
	Telephone No.	FAX No.	Address
			City, State, Zip

Special instructions and/or specific regulatory requirements: (method, limit of detection, etc.) <u>SILICA GEL CLEANUP FOR EXTRACTION OF TPH-DIO</u> <u>LAB MUST FILTER CAM-17 SAMPLES</u> * Explanation of Preservative <u>HU</u>	Samples are: (check if applicable) <input type="checkbox"/> Drinking Water <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Wastewater	ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.) <div style="text-align: center; font-size: 2em; font-weight: bold;"> TDS CAM-17 TPH-DIO (P) TPH6/BTEX/AP </div>
--	--	---

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	ANALYSIS REQUESTED										FOR LAB USE ONLY						
<input checked="" type="checkbox"/> MW1	9/11/98	1618	H2O	250 mL POLY	1	X																
<input checked="" type="checkbox"/> MW2	}	↓	}	↓	1	X																
<input checked="" type="checkbox"/> MW2					2		X															
<input checked="" type="checkbox"/> MW2					2			X														
<input checked="" type="checkbox"/> MW2					1558	1	X															
<input checked="" type="checkbox"/> MW2					1		X															
<input checked="" type="checkbox"/> MW2					2			X														
<input checked="" type="checkbox"/> MW2					2			X														
<input checked="" type="checkbox"/> MW3	1549	1	X																			
<input checked="" type="checkbox"/> MW3	↓	↓	↓	↓	1	X																

CHAIN OF CUSTODY	Collected by: <u>D. WATTS</u> (print)	Collector's Signature: <u>D. Watts</u>		
	Relinquished by: <u>D. Watts</u>	Date/Time	Received by:	Date/Time
	Relinquished by:	Date/Time	Received by:	Date/Time
	Method of Shipment:	Received at: <u>Donna Mather</u>	Date/Time: <u>9/14/98 9:35</u>	
Authorized by: _____ Date _____	Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)			

REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT

Date Results Requested: STD TAT
 Rush Charges Authorized? Yes No
 Phone or Fax Results

For Clayton Use Only
 Clayton Lab Project No.
9809130

REPORT RESULTS TO	Name <u>D. ASHTON</u>	Client Job No.	Purchase Order No. <u>70-97203.00.300</u>
	Company <u>PLEASANTON</u>	Dept. <u>ERM/R</u>	Name <u>D. ASHTON</u>
	Mailing Address		Company
	City, State, Zip		Dept.
	Telephone No.	FAX No.	Address
			City, State, Zip

Special instructions and/or specific regulatory requirements: (method, limit of detection, etc.)				Samples are: (check if applicable)		Number of Containers	ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.)															
<u>SILICA GEL CLEANUP FOR EXTRACTION ON TPH-D/O</u> <u>LAB MUST FILTER CWM-12 SAMPLES</u> * Explanation of Preservative <u>HCE</u>				<input type="checkbox"/> Drinking Water <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Wastewater				<u>TDS</u> <u>CWM-12</u> <u>TPH-D/O (P)</u> <u>TPH-4/6/8 (P)</u>														
CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AMP VOLUME (specify units)																	FOR LAB USE ONLY	
<u>CW-9</u>	<u>9/11/98</u>	<u>1930</u>	<u>H2O</u>	<u>250 ml Poly</u>	<u>1</u>	<u>X</u>																
<u>CW-9</u>		<u>↓</u>		<u>↓</u>	<u>1</u>		<u>X</u>															
<u>CW-13</u>		<u>1945</u>		<u>250 ml Poly</u>	<u>1</u>	<u>X</u>																
<u>CW-13 NO Bottles</u>				<u>↓</u>	<u>1</u>		<u>X</u>															
<u>CW-13 for CW-13</u>				<u>AMBER LITER</u>	<u>2</u>			<u>X</u>														
<u>CW-13</u>				<u>VOA</u>	<u>2</u>				<u>X</u>													

CHAIN OF CUSTODY	Collected by: <u>D. PLATT</u> (print)	Collector's Signature: <u>D. Platt</u>		
	Relinquished by: <u>D. Platt</u>	Date/Time	Received by:	Date/Time
	Relinquished by:	Date/Time	Received by:	Date/Time
	Method of Shipment:		Received at Lab by: <u>Anna Macher</u>	Date/Time: <u>9/14/98 9:35</u>
Authorized by: _____	Date: _____	Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)		

DISTRIBUTION:
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San Francisco Regional Office

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(925) 426-2600
Fax (925) 426-0106

Clayton
LABORATORY
SERVICES

September 29, 1998

Mr. Don Ashton
CLAYTON ENVIRONMENTAL CONS.
1252 Quarry Lane
Pleasanton, CA 94566

Client Ref.: 70-97203.00.300
Clayton Project No.: 98091.13

Dear Mr. Ashton:

Attached is our analytical laboratory report for the samples received on September 11, 1998. Also enclosed is a copy of the Chain-of-Custody record acknowledging receipt of these samples.

Please note that any unused portion of the samples will be discarded after October 29, 1998, unless you have requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Client Services at (925) 426-2657.

Sincerely,



Patricia Flynn
Client Services Representative
San Francisco Regional Office

PVF/pvf

Attachments

California DHS ELAP Certification Number 1196

Clayton Laboratory Services is a Division of Clayton Group Services, Inc.

Atlanta • Boston • Chicago • Cleveland • Danbury • Detroit • Honolulu • Indianapolis • Los Angeles • Miami
Minneapolis • New York • Philadelphia • Portland • Rockford • San Francisco • Savannah • Seattle • Wichita

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.13

Sample Identification: CW-1	Date Sampled: 09/10/98
Lab Number: 9809113-01C	Date Received: 09/11/98
Sample Matrix/Media: WATER	Date Extracted: 09/17/98
Extraction Method: EPA 3510	Date Analyzed: 09/23/98
Method Reference: EPA 8015 (Modified)	Analyst: DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	130	50
TPH-Diesel	--	ND	90
TPH-Oil	--	ND	200
<u>Surrogates</u>			
		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	90	50 - 150

D: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.
Diesel detection limit increased due to presence of unknown hydrocarbons.
SILICA GEL CLEANUP

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.13

Sample Identification:	CW-2	Date Sampled:	09/10/98
Lab Number:	9809113-02C	Date Received:	09/11/98
Sample Matrix/Media:	WATER	Date Extracted:	09/17/98
Extraction Method:	EPA 3510	Date Analyzed:	09/29/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	120	50
TPH-Diesel	--	ND	80
TPH-Oil	--	ND	200
<u>Surrogates</u>			
		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	85	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.
Diesel detection limit increased due to presence of unknown hydrocarbons.
SILICA GEL CLEANUP

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.13

Sample Identification: METHOD BLANK	Date Sampled: --
Lab Number: 9809113-03A	Date Received: --
Sample Matrix/Media: WATER	Date Extracted: 09/17/98
Extraction Method: EPA 3510	Date Analyzed: 09/23/98
Method Reference: EPA 8015 (Modified)	Analyst: DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	ND	50
TPH-Diesel	--	ND	50
TPH-Oil	--	ND	200
<u>Surrogates</u>			
		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	50	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.13

Sample Identification: CW-1	Date Sampled: 09/10/98
Lab Number: 9809113-01D	Date Received: 09/11/98
Sample Matrix/Media: WATER	Date Prepared: 09/16/98
Preparation Method: EPA 5030	Date Analyzed: 09/16/98
Method Reference: EPA 8015/8020	Analyst: KMO

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>			
		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	91	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.13

Sample Identification: CW-2	Date Sampled: 09/10/98
Lab Number: 9809113-02D	Date Received: 09/11/98
Sample Matrix/Media: WATER	Date Prepared: 09/16/98
Preparation Method: EPA 5030	Date Analyzed: 09/16/98
Method Reference: EPA 8015/8020	Analyst: KMO

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	0.5	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>			
		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	89	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.13

Sample Identification: METHOD BLANK	Date Sampled: --
Lab Number: 9809113-03A	Date Received: --
Sample Matrix/Media: WATER	Date Prepared: 09/15/98
Preparation Method: EPA 5030	Date Analyzed: 09/15/98
Method Reference: EPA 8015/8020	Analyst: KMO

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>			
		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	101	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.13

Sample Identification: CW-1
Lab Number: 9809113-01
Sample Matrix/Media: WATER

Date Sampled: 09/10/98
Date Received: 09/11/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	0.19	0.05	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.79	0.01	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Chromium, dissolved	0.03	0.01	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	0.01	0.01	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	09/16/98	09/16/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	0.02	0.01	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	1500	10	mg/L	--	09/14/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Zinc, dissolved	15	0.01	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.13

Sample Identification: CW-2
Lab Number: 9809113-02
Sample Matrix/Media: WATER

Date Sampled: 09/10/98
Date Received: 09/11/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Antimony, dissolved	<0.03	0.03	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	2.9	0.05	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Barium, dissolved	190	0.01	mg/L	09/17/98	09/19/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	0.12	0.01	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	09/16/98	09/16/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	1200	10	mg/L	--	09/14/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Zinc, dissolved	<0.01	0.01	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98091.13

Sample Identification: METHOD BLANK
Lab Number: 9809113-03
Sample Matrix/Media: WATER

Date Sampled: --
Date Received: --

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Barium, dissolved	<0.01	0.01	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	09/16/98	09/16/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	<10	10	mg/L	--	09/14/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7
Zinc, dissolved	<0.01	0.01	mg/L	09/17/98	09/18/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Clayton LABORATORY SERVICES

REQUEST FOR LABORATORY ANALYTICAL SERVICES

9809113

Page 7 of 7

IMPORTANT

Date Results Requested: STD TAT

Rush Charges Authorized? Yes No

Phone or Fax Results

For Clayton Use Only
Clayton Lab Project No.

~~9809113~~
DM

REPORTS TO	Name <u>P. ASHTON</u>	Client Job No.	SEND INVOICE TO	Purchase Order No. <u>70-97203.00.300</u>
	Company <u>PLEASANTON</u>	Dept. <u>EMR</u>		Name <u>P. ASHTON</u>
	Mailing Address			Company
	City, State, Zip			Dept.
	Telephone No.	FAX No.		Address
				City, State, Zip

Special instructions and/or specific regulatory requirements:
(method, limit of detection, etc.)
SILICA GEL CLEAN UP FOR EXTRACTION ON TPH-D/O
LAB MUST FILTER CAM-17 SAMPLES
* Explanation of Preservative (HCL)

Samples are:
(check if applicable)
 Drinking Water
 Groundwater
 Wastewater

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.)										FOR LAB USE ONLY			
						TPH	CAM 17	TPH D/O (P)	BTEX/TPH G/L										
CW-1	9/10/98	1751	H2O	250ML POLY	1	X													
CW-1				11	1														
CW-1				AMBER LITEN	1														
CW-1				VOA	2														
CW-2		1735		250ML POLY	1	X													
CW-2					1														
CW-2				AMBER LITEN	2														
CW-2				VOA	2														

CHAIN OF CUSTODY	Collected by: <u>D. WATTS</u> (print)	Collector's Signature: <u>D. Watts</u>		
	Relinquished by: <u>D. Watts</u>	Date/Time	Received by:	Date/Time
	Relinquished by:	Date/Time	Received by:	Date/Time
	Method of Shipment:	Received at Lab by:	Date/Time	
Authorized by:	Date	Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)		

(Client Signature MUST Accompany Request)

Please return completed form and samples to one of the Clayton Group Services, Inc. labs listed below:

Detroit Regional Lab 22345 Roethel Drive Novi, MI 48375 (800) 806-5887 (248) 344-1770 FAX (248) 344-2655	Atlanta Regional Lab 400 Chastain Center Blvd., N.W., Suite 490 Kennesaw, GA 30144 (800) 252-9919 (770) 499-7500 FAX (770) 423-4990	San Francisco Regional Lab 1252 Quarry Lane Pleasanton, CA 94566 (800) 294-1755 (510) 426-2657 FAX (510) 426-0106	Seattle Regional Lab 4636 E. Marginal Way S., Suite 215 Seattle, WA 98134 (800) 568-7755 (206) 763-7364 FAX (206) 763-4189
--	---	---	--

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9/97 20K

San Francisco Regional Office

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(925) 426-2600
Fax (925) 426-0106

Clayton
LABORATORY
SERVICES

October 9, 1998

Mr. Don Ashton
CLAYTON ENVIRONMENTAL CONS.
1252 Quarry Lane
Pleasanton, CA 94566

Client Ref.: 70-97203.00.201
Clayton Project No.: 98092.52

Dear Mr. Ashton:

Attached is our analytical laboratory report for the samples received on September 22, 1998. Also enclosed is a copy of the Chain-of-Custody record acknowledging receipt of these samples.

Please note that any unused portion of the samples will be discarded after November 5, 1998, unless you have requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Client Services at (925) 426-2657.

Sincerely,



Patricia Flynn
Project Manager
San Francisco Regional Office

ACB/pvf

Attachments

California DHS ELAP Certification Number 1196

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98092.52

Sample Identification: CW-10 11-11.5'
Lab Number: 9809252-02
Sample Matrix/Media: SOIL

Date Sampled: 09/21/98
Date Received: 09/22/98

Analyte	Concentration	Method		Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit						
Antimony	1	1		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Arsenic	11	1		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Barium	410	1		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Cadmium	0.8	0.4		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Chromium	100	1		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Cobalt	23	1		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Copper	48	1		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Lead	9	1		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Mercury	0.1	0.1		mg/kg	09/25/98	09/28/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Nickel	120	1		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Selenium	2	1		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Thallium	3	1		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Vanadium	50	1		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Zinc	56	1		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
pH	8.6	--		S.U.	--	10/01/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98092.52

Sample Identification: CW-12 11-11.5'
Lab Number: 9809252-05
Sample Matrix/Media: SOIL

Date Sampled: 09/21/98
Date Received: 09/22/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Antimony	1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Arsenic	5	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Barium	120	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Chromium	58	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Cobalt	9	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Copper	21	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Lead	6	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Mercury	0.2	0.1	mg/kg	09/25/98	09/28/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Nickel	90	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Selenium	2	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Thallium	2	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Vanadium	36	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Zinc	56	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
pH	8.3	--	S.U.	--	10/01/98	--	EPA 9045C

ND: Not detected at or above limit of detection

---: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98092.52

Sample Identification: CSB-1 6-6.5'
Lab Number: 9809252-07
Sample Matrix/Media: SOIL

Date Sampled: 09/21/98
Date Received: 09/22/98

Analyte	Concentration	Method		Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection	Limit					
Antimony	21	1		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Arsenic	590	1		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Barium	2600	1		mg/kg	09/23/98	09/25/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Cadmium	3.7	0.4		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Chromium	33	1		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Cobalt	15	1		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Copper	310	1		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Lead	1700	1		mg/kg	09/23/98	09/25/98	EPA 3050A	EPA 6010A
Mercury	0.5	0.1		mg/kg	09/25/98	09/28/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Nickel	35	1		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Selenium	2	1		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Silver	1.5	0.5		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Thallium	5	1		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Vanadium	34	1		mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Zinc	2700	1		mg/kg	09/23/98	09/25/98	EPA 3050A	EPA 6010A
pH	6.6	--		S.U.	--	10/01/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98092.52

Sample Identification: CSB-1 8-8.5'
Lab Number: 9809252-09
Sample Matrix/Media: SOIL

Date Sampled: 09/21/98
Date Received: 09/22/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Antimony	<1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Arsenic	8	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Barium	91	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Chromium	33	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Cobalt	3	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Copper	76	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Lead	9	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	09/25/98	09/28/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Nickel	20	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Thallium	<1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Vanadium	23	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Zinc	60	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
pH	5.1	--	S.U.	--	10/01/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98092.52

Sample Identification: CSB-1W
Lab Number: 9809252-12
Sample Matrix/Media: WATER

Date Sampled: 09/21/98
Date Received: 09/22/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	09/23/98	09/23/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	0.19	0.05	mg/L	09/23/98	09/23/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.08	0.01	mg/L	09/23/98	09/23/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	09/23/98	09/23/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	0.005	0.005	mg/L	09/23/98	09/23/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	09/23/98	09/23/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	0.05	0.01	mg/L	09/23/98	09/23/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	09/23/98	09/23/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	09/23/98	09/23/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	09/23/98	09/23/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	09/23/98	09/23/98	EPA 200.7	EPA 200.7
Nickel, dissolved	0.09	0.02	mg/L	09/23/98	09/23/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	09/23/98	09/23/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	09/23/98	09/23/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	09/23/98	09/23/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	2300	10	mg/L	--	09/28/98	--	EPA 160.1
Vanadium, dissolved	0.01	0.01	mg/L	09/23/98	09/23/98	EPA 200.7	EPA 200.7
Zinc, dissolved	6.2	0.01	mg/L	09/23/98	09/23/98	EPA 200.7	EPA 200.7
PH	5.3	--	S.U.	--	09/22/98	--	EPA 150.1

D: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98092.52

Sample Identification: CW-6 6-6.5'
Lab Number: 9809252-13
Sample Matrix/Media: SOIL

Date Sampled: 09/21/98
Date Received: 09/22/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Antimony	<1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Arsenic	570	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Barium	3900	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Cadmium	120	0.4	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Chromium	30	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Cobalt	17	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Copper	1100	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Lead	4300	1	mg/kg	09/23/98	09/25/98	EPA 3050A	EPA 6010A
Mercury	4.1	0.1	mg/kg	09/29/98	09/29/98	EPA 7471A	EPA 7471A
Molybdenum	5	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Nickel	57	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Selenium	8	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Silver	10	0.5	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Thallium	6	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Vanadium	55	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Zinc	21000	1	mg/kg	09/23/98	09/25/98	EPA 3050A	EPA 6010A
pH	9.7	--	S.U.	--	10/01/98	--	EPA 9045C

ND: Not detected at or above limit of detection

---: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98092.52

Sample Identification: CW-7 6-6.5'
Lab Number: 9809252-15
Sample Matrix/Media: SOIL

Date Sampled: 09/21/98
Date Received: 09/22/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony	<1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Arsenic	140	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Barium	53000	1	mg/kg	09/23/98	09/25/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Cadmium	59	0.4	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Chromium	12	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Cobalt	38	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Copper	270	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Lead	5500	1	mg/kg	09/23/98	09/25/98	EPA 3050A	EPA 6010A
Mercury	0.3	0.1	mg/kg	09/25/98	09/28/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Nickel	110	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Selenium	3	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Silver	2.3	0.5	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Thallium	<1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Vanadium	220	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Zinc	84000	1	mg/kg	09/23/98	09/25/98	EPA 3050A	EPA 6010A
pH	10	--	S.U.	--	10/01/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98092.52

Sample Identification: CW-7 16-16.5'
Lab Number: 9809252-16
Sample Matrix/Media: SOIL

Date Sampled: 09/21/98
Date Received: 09/22/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Antimony	1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Arsenic	5	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Barium	160	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Chromium	51	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Cobalt	8	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Copper	20	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Lead	5	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Mercury	0.1	0.1	mg/kg	09/25/98	09/28/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Nickel	100	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Selenium	2	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Thallium	<1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Vanadium	39	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Zinc	37	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
pH	9.5	--	S.U.	--	10/01/98	--	EPA 9045C

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98092.52

Sample Identification: METHOD BLANK
Lab Number: 9809252-18
Sample Matrix/Media: SOIL

Date Sampled: --
Date Received: --

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Antimony	<1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Arsenic	<1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Barium	<1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Beryllium	<0.1	0.1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Cadmium	<0.4	0.4	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Chromium	<1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Cobalt	<1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Copper	<1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Lead	<1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Mercury	<0.1	0.1	mg/kg	09/25/98	09/28/98	EPA 7471A	EPA 7471A
Molybdenum	<1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Nickel	<1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Selenium	<1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Silver	<0.5	0.5	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Thallium	<1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Vanadium	<1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A
Zinc	<1	1	mg/kg	09/23/98	09/24/98	EPA 3050A	EPA 6010A

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Results are reported on a wet-weight basis, as received.

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98092.52

Sample Identification: METHOD BLANK
Lab Number: 9809252-19
Sample Matrix/Media: WATER

Date Sampled: --
Date Received: --

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Antimony, dissolved	<0.03	0.03	mg/L	--	09/23/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	--	09/23/98	EPA 200.7	EPA 200.7
Barium, dissolved	<0.01	0.01	mg/L	--	09/23/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	--	09/23/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	--	09/23/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	--	09/23/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	--	09/23/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	--	09/23/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	--	09/23/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	--	09/23/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	--	09/23/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	--	09/23/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	--	09/23/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	--	09/23/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	--	09/23/98	EPA 200.7	EPA 200.7
Vanadium, dissolved	<0.01	0.01	mg/L	--	09/23/98	EPA 200.7	EPA 200.7
Zinc, dissolved	<0.01	0.01	mg/L	--	09/23/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
--: Information not available or not applicable

REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT

Date Results Requested: 10-6-98

Rush Charges Authorized? Yes No

Phone or Fax Results

For Clayton Use Only
Clayton Lab Project No.

9809252

REPORT RESULTS TO	Name <u>Don Ashton</u>	Client Job No. <u>70-97203.00.201</u>	Purchase Order No.
	Company <u>CLAYTON</u>	Dept.	Name
	Mailing Address		Company
	City, State, Zip		Address
	Telephone No. <u>X-679</u>	FAX No.	City, State, Zip

SEND INVOICE TO

Special instructions and/or specific regulatory requirements: (method, limit of detection, etc.)				Samples are: (check if applicable)		Number of Containers	ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.)							FOR LAB USE ONLY
Explanation of Preservative				<input type="checkbox"/> Drinking Water	<input type="checkbox"/> Groundwater		<input type="checkbox"/> Wastewater	METALS	PH	TD S	TPH-G/BTEX	TPH-D/O	PH	
CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)										
CSB-1 14.5-15'	9-21-98	13:47	SOIL	BRASS GLAUBE	1									
CSB-1W		14:15	WATER	250 ML PLASTIC	1		X						X	
				VOA	2				X				X	
				AMBER LITER	1	X				X			X	
				AMBER LITER	1				X				X	
CW-6 6-6.5'		16:10	SOIL	SS GLAUBE	1	X			X					
CW-6 11-11.5'		16:21											X	
CW-7 6-6.5'		17:50				X			X					
CW-7 16-16.5'		18:10				X			X					
CW-7 17.5-18'		18:24											X	

CHAIN OF CUSTODY	Collected by: <u>Don Ashton</u> (print)	Collector's Signature: <u>Don Ashton</u>
	Relinquished by: <u>Don Ashton</u>	Date/Time: <u>9-22-98 14:30</u>
	Relinquished by:	Date/Time:
	Method of Shipment:	Date/Time:
Authorized by: <u>Don Ashton</u>	Date: <u>9-22-98</u>	Received by: <u>Alanna Mather</u>
(Client Signature MUST Accompany Request)		Date/Time: <u>9/29/98 14:30</u>
		Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)

Please return completed form and samples to one of the Clayton Group Services, Inc. labs listed below:

- | | | | |
|--|---|---|--|
| Detroit Regional Lab
22345 Roethel Drive
Novi, MI 48375
(800) 806-5887
(248) 344-1770
FAX (248) 344-2655 | Atlanta Regional Lab
400 Chastain Center Blvd., N.W., Suite 490
Kennesaw, GA 30144
(800) 252-9919
(770) 499-7500
FAX (770) 423-4990 | San Francisco Regional Lab
1252 Quarry Lane
Pleasanton, CA 94566
(800) 294-1755
(925) 426-2657
FAX (925) 426-0106 | Seattle Regional Lab
4636 E. Marginal Way S., Suite 215
Seattle, WA 98134
(800) 568-7755
(206) 763-7364
FAX (206) 763-4189 |
|--|---|---|--|

DISTRIBUTION:

White = Clayton Laboratory
 Yellow = Clayton Accounting
 Pink = Client Copy

CHROMALAB, INC.

Environmental Services (SDB)

October 6, 1998

Submission #: 9809421

CLAYTON ENVIRONMENTAL CONSULT.

Atten: Don Ashton

Project: COLISEUM WAY
Received: September 29, 1998

Project#: 70-97203.00.300


re: 1 sample for TEPH analysis.
Method: EPA 8015M

Matrix: WATER
Sampled: September 29, 1998 Run#: 15203

Extracted: October 2, 1998
Analyzed: October 5, 1998

Spl#	CLIENT SPL ID	Diesel (ug/L)	Motor Oil (ug/L)
208207	CW-7-D3	N.D.	N.D.
Reporting Limits		50	500
Blank Result		N.D.	N.D.
Blank Spike Result (%)		114	--


Lulu Frazier
Analyst


Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

October 6, 1998

Submission #: 9809421

CLAYTON ENVIRONMENTAL CONSULT.

Atten: Don Ashton

Project: COLISEUM WAY
Received: September 29, 1998

Project#: 70-97203.00.300

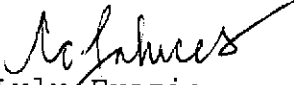
re: 2 samples for Total Dissolved Solids analysis.
Method: EPA 160.1

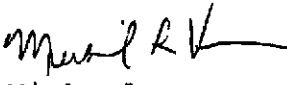
Matrix: WATER

Sampled: September 29, 1998 Run#: 15148

Analyzed: September 29, 1998

Spl#	CLIENT SPL ID	TOTAL DISSOLVED SOLI (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE (%)	DILUTION FACTOR
208205	CW-7-D2	770	10	N.D.	100	1
208206	CW-10-D2	17000	20	N.D.	100	2


Lulu Frazier
Analyst


Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

October 2, 1998

Submission #: 9809421

CLAYTON ENVIRONMENTAL CONSULT.

Atten: Don Ashton

Project: COLISEUM WAY
Received: September 29, 1998

Project#: 70-97203.00.300

re: One sample for Gasoline BTEX analysis.
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: CW-7-D4

Spl#: 208208

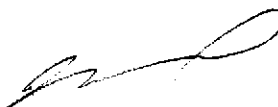
Matrix: WATER

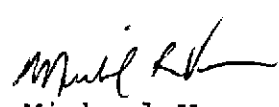
Sampled: September 29, 1998

Run#:15178

Analyzed: October 1, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	50	N.D.	101	1
BENZENE	N.D.	0.50	N.D.	96	1
TOLUENE	N.D.	0.50	N.D.	96	1
ETHYL BENZENE	N.D.	0.50	N.D.	95	1
XYLENES	N.D.	0.50	N.D.	95	1


Vincent Vancil
Analyst


Michael Verona
Operations Manager

925-426-0106

1220 Quarry Lane • Pleasanton, California 94566-4756
(925) 484-1919 • Facsimile (925) 484-1096
Federal ID #68-0140157

PM V132 O: BTEXQC0220

VINCE 11-59

CHROMALAB, INC.

Environmental Services (SDB)

October 6, 1998

Submission #: 9809421

CLAYTON ENVIRONMENTAL CONSULT.

Atten: Don Ashton

Project: COLISEUM WAY
Received: September 29, 1998

Project#: 70-97203.00.300

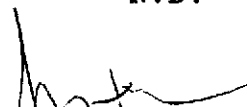
re: One sample for CAM 17 METALS analysis.
Method: EPA 3010A/6010A/7470A Nov 1990

Client Sample ID: CW-7-D1

Spl#: 208203 Matrix: WATER Extracted: September 30, 1998
Sampled: September 29, 1998 Run#: 15174 Analyzed: October 2, 1998

ANALYTE	RESULT (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE (%)	DILUTION FACTOR
ANTIMONY	N.D.	0.0050	N.D.	99.0	1
ARSENIC	0.040	0.0050	N.D.	99.6	1
BERYLLIUM	N.D.	0.0050	N.D.	98.4	1
CADMIUM	0.0024	0.0020	N.D.	99.4	1
CHROMIUM	N.D.	0.0050	N.D.	97.2	1
COBALT	0.0052	0.0050	N.D.	99.8	1
COPPER	0.0091	0.0050	N.D.	102	1
LEAD	0.015	0.0050	N.D.	98.4	1
MOLYBDENUM	0.029	0.0050	N.D.	98.8	1
NICKEL	0.0089	0.0050	N.D.	97.8	1
SELENIUM	N.D.	0.0050	N.D.	96.0	1
SILVER	N.D.	0.0050	N.D.	99.0	1
THALLIUM	N.D.	0.0050	N.D.	96.6	1
VANADIUM	0.031	0.0050	N.D.	98.0	1
ZINC	0.20	0.010	N.D.	103	1
MERCURY	N.D.	0.00050	N.D.	104	1
Mercury extracted on and analyzed on October 2, 1998.					
BARIUM	140	0.25	N.D.	98.8	50


Shafi Barekzai
Analyst


Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

October 6, 1998

Submission #: 9809421

CLAYTON ENVIRONMENTAL CONSULT.

Atten: Don Ashton

Project: COLISEUM WAY
Received: September 29, 1998

Project#: 70-97203.00.300

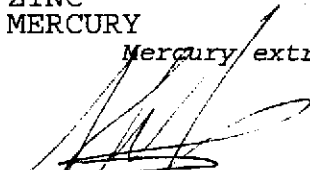
re: One sample for CAM 17 METALS analysis.
Method: EPA 3010A/6010A/7470A Nov 1990

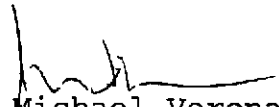
Client Sample ID: CW-10-D1

Spl#: 208204 Matrix: WATER Extracted: September 30, 1998
Sampled: September 29, 1998 Run#: 15174 Analyzed: October 2, 1998

ANALYTE	RESULT (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE (%)	DILUTION FACTOR
ANTIMONY	0.0057	0.0050	N.D.	99.0	1
ARSENIC	N.D.	0.0050	N.D.	99.6	1
BARIUM	0.21	0.0050	N.D.	98.8	1
BERYLLIUM	N.D.	0.0050	N.D.	98.4	1
CADMIUM	N.D.	0.0020	N.D.	99.4	1
CHROMIUM	N.D.	0.0050	N.D.	97.2	1
COBALT	0.010	0.0050	N.D.	99.8	1
COPPER	0.032	0.0050	N.D.	102	1
LEAD	N.D.	0.0050	N.D.	98.4	1
MOLYBDENUM	N.D.	0.0050	N.D.	98.8	1
NICKEL	0.026	0.0050	N.D.	97.8	1
SELENIUM	0.025	0.0050	N.D.	96.0	1
SILVER	N.D.	0.0050	N.D.	99.0	1
THALLIUM	N.D.	0.0050	N.D.	96.6	1
VANADIUM	N.D.	0.0050	N.D.	98.0	1
ZINC	0.069	0.010	N.D.	103	1
MERCURY	N.D.	0.00050	N.D.	104	1

Mercury extracted on and analyzed on October 2, 1998.


Shafi Barekzai
Analyst


Michael Verona
Operations Manager

San Francisco Regional Office

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(925) 426-2600
Fax (925) 426-0106

Clayton
LABORATORY
SERVICES

October 13, 1998

Mr. Don Ashton
CLAYTON ENVIRONMENTAL CONS.
1252 Quarry Lane
Pleasanton, CA 94566

Client Ref.: 70-97203.00.300
Clayton Project No.: 98093.46

Dear Mr. Ashton:

Attached is our analytical laboratory report for the samples received on September 29, 1998. Also enclosed is a copy of the Chain-of-Custody record acknowledging receipt of these samples.

Please note that any unused portion of the samples will be discarded after November 5, 1998, unless you have requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Client Services at (925) 426-2657.

Sincerely,



Patricia Flynn
Laboratory Client Services
San Francisco Regional Office

ACB/pvf

Attachments

California DHS ELAP Certification Number 1196

Clayton Laboratory Services is a Division of Clayton Group Services, Inc.

Atlanta • Boston • Chicago • Cleveland • Danbury • Detroit • Honolulu • Indianapolis • Los Angeles • Miami
Minneapolis • New York • Philadelphia • Portland • Rockford • San Francisco • Savannah • Seattle • Wichita

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98093.46

Sample Identification:	CW-7	Date Sampled:	09/29/98
Lab Number:	9809346-03C	Date Received:	09/29/98
Sample Matrix/Media:	WATER	Date Extracted:	09/30/98
Extraction Method:	EPA 3510	Date Analyzed:	10/10/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	ND	50
TPH-Diesel	--	ND	50
TPH-Oil	--	ND	200
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	68	50 - 150

D: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.
TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.
TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.
Silica Gel Cleanup

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98093.46

Sample Identification:	CW-6	Date Sampled:	09/29/98
Lab Number:	9809346-04C	Date Received:	09/29/98
Sample Matrix/Media:	WATER	Date Extracted:	09/30/98
Extraction Method:	EPA 3510	Date Analyzed:	10/10/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	ND	50
TPH-Diesel	--	ND	50
TPH-Oil	--	ND	200
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	54	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Total Extractables = Extractable hydrocarbons from C10 to C42 quantitated as diesel.

TPH-D = Extractable hydrocarbons from C10 to C20 quantitated as diesel.

TPH-O = Extractable hydrocarbons from C20 to C42 quantitated as oil.

Silica Gel Cleanup

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98093.46

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9809346-05A	Date Received:	--
Sample Matrix/Media:	WATER	Date Extracted:	09/30/98
Extraction Method:	EPA 3510	Date Analyzed:	10/10/98
Method Reference:	EPA 8015 (Modified)	Analyst:	DTT

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>Total Extractables</u>			
Total-Extractables	--	ND	50
TPH-Diesel	--	ND	50
TPH-Oil	--	ND	200
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
p-Terphenyl	92-94-4	71	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98093.46

Sample Identification: CW-7	Date Sampled: 09/29/98
Lab Number: 9809346-03E	Date Received: 09/29/98
Sample Matrix/Media: WATER	Date Prepared: 10/08/98
Preparation Method: EPA 5030	Date Analyzed: 10/08/98
Method Reference: EPA 8015/8020	Analyst: FHK

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	74	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98093.46

Sample Identification:	CW-6	Date Sampled:	09/29/98
Lab Number:	9809346-04E	Date Received:	09/29/98
Sample Matrix/Media:	WATER	Date Prepared:	10/08/98
Preparation Method:	EPA 5030	Date Analyzed:	10/08/98
Method Reference:	EPA 8015/8020	Analyst:	FHK

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	78	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98093.46

Sample Identification: METHOD BLANK	Date Sampled: --
Lab Number: 9809346-05A	Date Received: --
Sample Matrix/Media: WATER	Date Prepared: 10/07/98
Preparation Method: EPA 5030	Date Analyzed: 10/07/98
Method Reference: EPA 8015/8020	Analyst: FHK

Analyte	CAS #	Concentration (ug/L)	Limit of Detection (ug/L)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.4
Ethylbenzene	100-41-4	ND	0.3
Toluene	108-88-3	ND	0.3
o-Xylene	95-47-6	ND	0.4
p,m-Xylenes	--	ND	0.4
Gasoline	--	ND	50
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
a,a,a-Trifluorotoluene	98-08-8	103	50 - 150

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98093.46

Sample Identification: CW-12
Lab Number: 9809346-01
Sample Matrix/Media: WATER

Date Sampled: 09/29/98
Date Received: 09/29/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Antimony, dissolved	<0.03	0.03	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.20	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	09/30/98	10/01/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	12000	10	mg/L	--	10/03/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.03	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98093.46

Sample Identification: CW-10
Lab Number: 9809346-02
Sample Matrix/Media: WATER

Date Sampled: 09/29/98
Date Received: 09/29/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Antimony, dissolved	<0.03	0.03	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.27	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	09/30/98	10/01/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	17000	10	mg/L	--	10/03/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.04	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
-: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98093.46

Sample Identification: CW-7
Lab Number: 9809346-03
Sample Matrix/Media: WATER

Date Sampled: 09/29/98
Date Received: 09/29/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Antimony, dissolved	<0.03	0.03	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Barium, dissolved	140	0.01	mg/L	10/01/98	10/02/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	0.08	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	09/30/98	10/01/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	0.02	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	820	10	mg/L	--	10/03/98	--	EPA 160.1
Vanadium, dissolved	0.02	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Zinc, dissolved	0.02	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98093.46

Sample Identification: CW-6
Lab Number: 9809346-04
Sample Matrix/Media: WATER

Date Sampled: 09/29/98
Date Received: 09/29/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Antimony, dissolved	<0.03	0.03	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	0.13	0.05	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Barium, dissolved	470	0.01	mg/L	10/01/98	10/02/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	0.10	0.005	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	0.34	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	09/30/98	10/01/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Nickel, dissolved	0.26	0.02	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	3900	10	mg/L	--	10/03/98	--	EPA 160.1
Vanadium, dissolved	0.02	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Zinc, dissolved	15	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection

--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.300
Clayton Project No. 98093.46

Sample Identification: METHOD BLANK
Lab Number: 9809346-05
Sample Matrix/Media: WATER

Date Sampled: --
Date Received: --

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Antimony, dissolved	<0.03	0.03	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Arsenic, dissolved	<0.05	0.05	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Barium, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Beryllium, dissolved	<0.005	0.005	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Chromium, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Cobalt, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Copper, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Lead, dissolved	<0.05	0.05	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Mercury, dissolved	<0.0005	0.0005	mg/L	09/30/98	10/01/98	EPA 245.2	EPA 245.2
Molybdenum, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Nickel, dissolved	<0.02	0.02	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Selenium, dissolved	<0.07	0.07	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Silver, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Thallium, dissolved	<0.05	0.05	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Total Dissolved Solids	<10	10	mg/L	--	10/03/98	--	EPA 160.1
Vanadium, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7
Zinc, dissolved	<0.01	0.01	mg/L	10/01/98	10/01/98	EPA 200.7	EPA 200.7

ND: Not detected at or above limit of detection
--: Information not available or not applicable

REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT

Date Results Requested: STD TAT

Rush Charges Authorized? Yes No
 Phone or Fax Results

For Clayton Use Only
Clayton Lab Project No.

9809346

REPORT RESULTS TO	Name <u>D. ASHTON</u>	Client Job No. <u>70-97203.00.300</u>	Purchase Order No.
	Company	Dept.	Name <u>D. ASHTON</u>
	Mailing Address <u>PLEASANTON ERMZ</u>		Company
	City, State, Zip		Dept.
Telephone No. <u>925-426-2600</u>	FAX No.	Address	City, State, Zip

Special Instructions and/or specific regulatory requirements:
(method, limit of detection, etc.)
LAB MUST FILTER CWM-17 SAMPLES
TPH-D/O (SILICA GEL CLEANUP REQUIRED)
* Explanation of Preservative: (HCL)

Samples are:
(check if applicable)
 Drinking Water
 Groundwater
 Wastewater

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	APP VOLUME (specify units)	Number of Containers	ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added.)										FOR LAB USE ONLY			
						TDs	CWM-17	TPH-D/O	TPH-G/BTEX LP										
CW-12	9/29/98	1617	H2O	250 ml POLY	1	X													
CW-12					1	X													
CW-10		1536		250 ml POLY	1	X													
CW-10					1	X													
CW-7		1405		250 ml POLY	1	X													
CW-7					1	X													
CW-7				AMBER LITER	2		X												
CW-7				VDA	3			X											

CHAIN OF CUSTODY	Collected by: <u>D. WATTS</u> (print)	Collector's Signature: <u>D. Watts</u>		
	Relinquished by: <u>D. Watts</u>	Date/Time <u>9/29/98 1750</u>	Received by:	Date/Time
	Relinquished by:	Date/Time	Received by:	Date/Time
	Method of Shipment:	Received at Lab by: <u>DeWise Harrington</u>	Date/Time <u>9/29/98 1755</u>	
Authorized by: _____ Date _____ (Client Signature MUST Accompany Request)	Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain) <u>average bottle temp 4.3°C; pH OK - DSU</u>			

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

Detroit Regional Lab 22345 Roethel Drive Novi, MI 48375 (800) 806-5887 (248) 344-1770 FAX (248) 344-2655	Atlanta Regional Lab 400 Chastain Center Blvd., N.W., Suite 490 Kennesaw, GA 30144 (800) 252-9919 (770) 499-7500 FAX (770) 423-4990	San Francisco Regional Lab 1252 Quarry Lane Pleasanton, CA 94566 (800) 294-1755 (510) 426-2657 FAX (510) 426-0106	Seattle Regional Lab 4636 E. Marginal Way S., Suite 215 Seattle, WA 98134 (800) 568-7755 (206) 763-7364 FAX (206) 763-4189
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DISTRIBUTION:
 White = Clayton Laboratory
 Yellow = Clayton Accounting
 Pink = Client Copy

CHROMALAB, INC.

Environmental Services (SDB)

October 6, 1998

Submission #: 9809421

CLAYTON ENVIRONMENTAL CONSULT.

Atten: Don Ashton

Project: COLISEUM WAY
Received: September 29, 1998

Project#: 70-97203.00.300

re: One sample for CAM 17 METALS analysis.
Method: EPA 3010A/6010A/7470A Nov 1990

Client Sample ID: CW-7-D1

Spl#: 208203

Matrix: WATER

Extracted: September 30, 1998

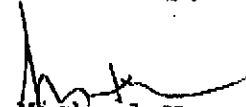
Sampled: September 29, 1998 Run#: 15174

Analyzed: October 2, 1998

ANALYTE	RESULT (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE (%)	DILUTION FACTOR
ANTIMONY	N.D.	0.0050	N.D.	99.0	1
ARSENIC	0.040	0.0050	N.D.	99.6	1
BERYLLIUM	N.D.	0.0050	N.D.	98.4	1
CADMIUM	0.0024	0.0020	N.D.	99.4	1
CHROMIUM	N.D.	0.0050	N.D.	97.2	1
COBALT	0.0052	0.0050	N.D.	99.8	1
COPPER	0.0091	0.0050	N.D.	102	1
LEAD	0.015	0.0050	N.D.	98.4	1
MOLYBDENUM	0.029	0.0050	N.D.	98.8	1
NICKEL	0.0089	0.0050	N.D.	97.8	1
SELENIUM	N.D.	0.0050	N.D.	96.0	1
SILVER	N.D.	0.0050	N.D.	99.0	1
THALLIUM	N.D.	0.0050	N.D.	96.6	1
VANADIUM	0.031	0.0050	N.D.	98.0	1
ZINC	0.20	0.010	N.D.	103	1
MERCURY	N.D.	0.00050	N.D.	104	1
Mercury extracted on and analyzed on October 2, 1998.					
BARIUM	140	0.25	N.D.	98.8	50



Shafi Barezai
Analyst



Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

October 6, 1998

Submission #: 9809421

CLAYTON ENVIRONMENTAL CONSULT.

Atten: Don Ashton

Project: COLISEUM WAY
Received: September 29, 1998

Project#: 70-97203.00.300

re: One sample for CAM 17 METALS analysis.
Method: EPA 3010A/6010A/7470A Nov 1990

Client Sample ID: CW-10-D1'

Spl#: 208204

Matrix: WATER

Extracted: September 30, 1998

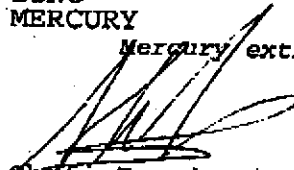
Sampled: September 29, 1998

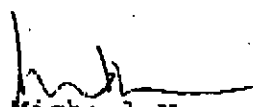
Run#: 15174

Analyzed: October 2, 1998

ANALYTE	RESULT (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE (%)	DILUTION FACTOR
ANTIMONY	0.0057	0.0050	N.D.	99.0	1
ARSENIC	N.D.	0.0050	N.D.	99.6	1
BARIUM	0.21	0.0050	N.D.	98.8	1
BERYLLIUM	N.D.	0.0050	N.D.	98.4	1
CADMIUM	N.D.	0.0020	N.D.	99.4	1
CHROMIUM	N.D.	0.0050	N.D.	97.2	1
COBALT	0.010	0.0050	N.D.	99.8	1
COPPER	0.032	0.0050	N.D.	102	1
LEAD	N.D.	0.0050	N.D.	98.4	1
MOLYBDENUM	N.D.	0.0050	N.D.	98.8	1
NICKEL	0.026	0.0050	N.D.	97.8	1
SELENIUM	0.025	0.0050	N.D.	96.0	1
SILVER	N.D.	0.0050	N.D.	99.0	1
THALLIUM	N.D.	0.0050	N.D.	96.6	1
VANADIUM	N.D.	0.0050	N.D.	98.0	1
ZINC	0.069	0.010	N.D.	103	1
MERCURY	N.D.	0.00050	N.D.	104	1

Mercury extracted on and analyzed on October 2, 1998.


 Shafi Barekzai
 Analyst


 Michael Verona
 Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

October 6, 1998

Submission #: 9809421

CLAYTON ENVIRONMENTAL CONSULT.

Atten: Don Ashton

Project: COLISEUM WAY
Received: September 29, 1998

Project#: 70-97203.00.300

re: 2 samples for Total Dissolved Solids analysis.
Method: EPA 160.1

Matrix: WATER
Sampled: September 29, 1998 Run#: 15148

Analyzed: September 29, 1998

Spl#	CLIENT SPL ID	TOTAL DISSOLVED SOLI (mg/L)	REPORTING LIMIT (mg/L)	BLANK RESULT (mg/L)	BLANK SPIKE (%)	DILUTION FACTOR
208205	CW-7-D2	770	10	N.D.	100	1
208206	CW-10-D2	17000	20	N.D.	100	2

Lulu Frazier
Lulu Frazier
Analyst

Michael Verona
Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

October 6, 1998

Submission #: 9809421

CLAYTON ENVIRONMENTAL CONSULT.

Atten: Don Ashton

Project: COLISEUM WAY
Received: September 29, 1998

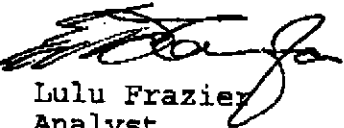
Project#: 70-97203.00.300


re: 1 sample for TEPH analysis.
Method: EPA 8015M

Sampled: September 29, 1998 Matrix: WATER
Run#: 15203

Extracted: October 2, 1998
Analyzed: October 5, 1998

Spl#	CLIENT SPL ID	Diesel (ug/L)	Motor Oil (ug/L)
208207	CW-7-D3	N.D.	N.D.
Reporting Limits			
Blank Result		50	500
Blank Spike Result (%)		N.D.	N.D.
		114	--


Lulu Frazier
Analyst


Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SOB)

October 2, 1998

Submission #: 9809421

CLAYTON ENVIRONMENTAL CONSULT.

Atten: Don Ashton

Project: COLISEUM WAY

Project#: 70-97203.00.300

Received: September 29, 1998

re: One sample for Gasoline BTEX analysis.

Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: CW-7-D4

Spl#: 208208

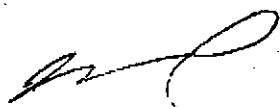
Matrix: WATER

Sampled: September 29, 1998

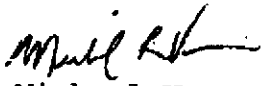
Run#:15178

Analyzed: October 1, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	50	N.D.	101	1
BENZENE	N.D.	0.50	N.D.	96	1
TOLUENE	N.D.	0.50	N.D.	96	1
ETHYL BENZENE	N.D.	0.50	N.D.	95	1
XYLENES	N.D.	0.50	N.D.	95	1



Vincent Vancil
Analyst



Michael Verona
Operations Manager

925-426-0106

1220 Quarry Lane • Pleasanton, California 94566-4756
(925) 484-1919 • Facsimile (925) 484-1096

PM V132 O:BTENAC0220
VINC 11:50

San Francisco Regional Office

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(925) 426-2600
Fax (925) 426-0106

Clayton
LABORATORY
SERVICES

October 13, 1998

Mr. Don Ashton
CLAYTON ENVIRONMENTAL CONS.
1252 Quarry Lane
Pleasanton, CA 94566

Client Ref.: 70-97203.00.201
Clayton Project No.: 98100.99

Dear Mr. Ashton:

Attached is our analytical laboratory report for the samples received on October 9, 1998. Also enclosed is a copy of the Chain-of-Custody record acknowledging receipt of these samples.

Please note that any unused portion of the samples will be discarded after November 14, 1998, unless you have requested otherwise.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Client Services at (925) 426-2657.

Sincerely,



Patricia Flynn
Client Services Representative
San Francisco Regional Office

PVF/pvf

Attachments

California DHS ELAP Certification Number 1196

Clayton Laboratory Services is a Division of Clayton Group Services, Inc.

Atlanta • Boston • Chicago • Cleveland • Danbury • Detroit • Honolulu • Indianapolis • Los Angeles • Miami
Minneapolis • New York • Philadelphia • Portland • Rockford • San Francisco • Savannah • Seattle • Wichita

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98100.99

Sample Identification: LF-12-H
Lab Number: 9810099-01
Sample Matrix/Media: WATER

Date Sampled: 10/08/98
Date Received: 10/09/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Arsenic, dissolved	0.06	0.05	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	2.2	0.005	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Chloride	590	0.1	mg/L	--	10/10/98	--	EPA 300.0
Total Dissolved Solids	11000	10	mg/L	--	10/09/98	--	EPA 160.1
Zinc, dissolved	2400	0.01	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
H	3.3	--	S.U.	--	10/09/98	--	EPA 150.1

D: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98100.99

Sample Identification: CW-13-H
Lab Number: 9810099-02
Sample Matrix/Media: WATER

Date Sampled: 10/08/98
Date Received: 10/09/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Arsenic, dissolved	<0.05	0.05	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	1.2	0.005	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Chloride	1100	0.1	mg/L	--	10/10/98	--	EPA 300.0
Total Dissolved Solids	9300	10	mg/L	--	10/09/98	--	EPA 160.1
Zinc, dissolved	1300	0.01	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
H	5.6	--	S.U.	--	10/09/98	--	EPA 150.1

D: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98100.99

Sample Identification: CW-12-H
Lab Number: 9810099-03
Sample Matrix/Media: WATER

Date Sampled: 10/08/98
Date Received: 10/09/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Arsenic, dissolved	<0.05	0.05	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Chloride	5900	0.1	mg/L	--	10/10/98	--	EPA 300.0
Total Dissolved Solids	13000	10	mg/L	--	10/09/98	--	EPA 160.1
Zinc, dissolved	1.8	0.01	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
pH	7.8	--	S.U.	--	10/09/98	--	EPA 150.1

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98100.99

Sample Identification: CW-10-H
Lab Number: 9810099-04
Sample Matrix/Media: WATER

Date Sampled: 10/08/98
Date Received: 10/09/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Arsenic, dissolved	0.06	0.05	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Chloride	9800	0.1	mg/L	--	10/10/98	--	EPA 300.0
Total Dissolved Solids	21000	10	mg/L	--	10/09/98	--	EPA 160.1
Zinc, dissolved	0.78	0.01	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
pH	7.2	--	S.U.	--	10/09/98	--	EPA 150.1

D: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98100.99

Sample Identification: CW-6-H
Lab Number: 9810099-05
Sample Matrix/Media: WATER

Date Sampled: 10/08/98
Date Received: 10/09/98

Analyte	Concentration	Method Detection		Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
		Limit						
Arsenic, dissolved	0.33	0.05		mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Barium, dissolved	610	0.01		mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	0.20	0.005		mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Chloride	1700	0.1		mg/L	--	10/10/98	--	EPA 300.0
Total Dissolved Solids	4300	10		mg/L	--	10/09/98	--	EPA 160.1
Copper, dissolved	33	0.01		mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Lead	6.6	--		S.U.	--	10/09/98	--	EPA 150.1

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98100.99

Sample Identification: CW-7-H
Lab Number: 9810099-06
Sample Matrix/Media: WATER

Date Sampled: 10/08/98
Date Received: 10/09/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Arsenic, dissolved	0.07	0.05	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Barium, dissolved	170	0.01	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Chloride	210	0.1	mg/L	--	10/10/98	--	EPA 300.0
Total Dissolved Solids	860	10	mg/L	--	10/09/98	--	EPA 160.1
Zinc, dissolved	0.08	0.01	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
PH	10.7	--	S.U.	--	10/09/98	--	EPA 150.1

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98100.99

Sample Identification: LF-12-L
Lab Number: 9810099-07
Sample Matrix/Media: WATER

Date Sampled: 10/08/98
Date Received: 10/09/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Arsenic, dissolved	0.06	0.05	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	2.0	0.005	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Chloride	820	0.1	mg/L	--	10/10/98	--	EPA 300.0
Total Dissolved Solids	10000	10	mg/L	--	10/09/98	--	EPA 160.1
Zinc, dissolved	1700	0.01	mg/L	10/09/98	10/13/98	EPA 200.7	EPA 200.7
PH	3.5	--	S.U.	--	10/09/98	--	EPA 150.1

0: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98100.99

Sample Identification: CW-13-L
Lab Number: 9810099-08
Sample Matrix/Media: WATER

Date Sampled: 10/08/98
Date Received: 10/09/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Arsenic, dissolved	<0.05	0.05	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	1.2	0.005	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Chloride	920	0.1	mg/L	--	10/10/98	--	EPA 300.0
Total Dissolved Solids	9100	10	mg/L	--	10/09/98	--	EPA 160.1
Zinc, dissolved	1200	0.01	mg/L	10/09/98	10/13/98	EPA 200.7	EPA 200.7
pH	5.6	--	S.U.	--	10/09/98	--	EPA 150.1

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98100.99

Sample Identification: CW-12-L
Lab Number: 9810099-09
Sample Matrix/Media: WATER

Date Sampled: 10/08/98
Date Received: 10/09/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Arsenic, dissolved	<0.05	0.05	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Chloride	5400	0.1	mg/L	--	10/10/98	--	EPA 300.0
Total Dissolved Solids	13000	10	mg/L	--	10/09/98	--	EPA 160.1
Zinc, dissolved	2.1	0.01	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
pH	7.7	--	S.U.	--	10/09/98	--	EPA 150.1

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98100.99

Sample Identification: CW-10-L
Lab Number: 9810099-10
Sample Matrix/Media: WATER

Date Sampled: 10/08/98
Date Received: 10/09/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Arsenic, dissolved	0.08	0.05	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	0.007	0.005	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Chloride	7700	0.1	mg/L	--	10/10/98	--	EPA 300.0
Total Dissolved Solids	19000	10	mg/L	--	10/09/98	--	EPA 160.1
Zinc, dissolved	0.16	0.01	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
pH	7.3	--	S.U.	--	10/09/98	--	EPA 150.1

D: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98100.99

Sample Identification: 1W-L
Lab Number: 9810099-11
Sample Matrix/Media: WATER

Date Sampled: 10/08/98
Date Received: 10/09/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Arsenic, dissolved	0.05	0.05	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Chloride	2700	0.1	mg/L	--	10/12/98	--	EPA 300.0
Total Dissolved Solids	3200	10	mg/L	--	10/09/98	--	EPA 160.1
Zinc, dissolved	0.09	0.01	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
PH	8.1	--	S.U.	--	10/09/98	--	EPA 150.1

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98100.99

Sample Identification: 2W-L
Lab Number: 9810099-12
Sample Matrix/Media: WATER

Date Sampled: 10/08/98
Date Received: 10/09/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Arsenic, dissolved	0.06	0.05	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.13	0.01	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Chloride	11000	0.1	mg/L	--	10/10/98	--	EPA 300.0
Total Dissolved Solids	24000	10	mg/L	--	10/09/98	--	EPA 160.1
Zinc, dissolved	0.12	0.01	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
PH	7.6	--	S.U.	--	10/09/98	--	EPA 150.1

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98100.99

Sample Identification: CW-6-L
Lab Number: 9810099-13
Sample Matrix/Media: WATER

Date Sampled: 10/08/98
Date Received: 10/09/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Arsenic, dissolved	0.09	0.05	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Barium, dissolved	460	0.01	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	0.11	0.005	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Chloride	1300	0.1	mg/L	--	10/10/98	--	EPA 300.0
Total Dissolved Solids	4100	10	mg/L	--	10/09/98	--	EPA 160.1
Zinc, dissolved	15	0.01	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
pH	6.7	--	S.U.	--	10/09/98	--	EPA 150.1

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98100.99

Sample Identification: CW-7-L
Lab Number: 9810099-14
Sample Matrix/Media: WATER

Date Sampled: 10/08/98
Date Received: 10/09/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Arsenic, dissolved	<0.05	0.05	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Barium, dissolved	120	0.01	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Chloride	300	0.1	mg/L	--	10/10/98	--	EPA 300.0
Total Dissolved Solids	880	10	mg/L	--	10/09/98	--	EPA 160.1
Zinc, dissolved	0.28	0.01	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
pH	10.5	--	S.U.	--	10/09/98	--	EPA 150.1

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98100.99

Sample Identification: 3W-L
Lab Number: 9810099-15
Sample Matrix/Media: WATER

Date Sampled: 10/08/98
Date Received: 10/09/98

Analyte	Concentration	Method Detection Limit	Units	Date Prepared	Date Analyzed	Prep Method	Method Reference
Arsenic, dissolved	<0.05	0.05	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.37	0.01	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Chloride	6300	0.1	mg/L	--	10/12/98	--	EPA 300.0
Total Dissolved Solids	19000	10	mg/L	--	10/09/98	--	EPA 160.1
Cinc, dissolved	0.10	0.01	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
PH	7.4	--	S.U.	--	10/09/98	--	EPA 150.1

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98100.99

Sample Identification: 4W-L
Lab Number: 9810099-16
Sample Matrix/Media: WATER

Date Sampled: 10/08/98
Date Received: 10/09/98

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Arsenic, dissolved	0.06	0.05	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Barium, dissolved	0.41	0.01	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Chloride	11000	0.1	mg/L	--	10/12/98	--	EPA 300.0
Total Dissolved Solids	24000	10	mg/L	--	10/09/98	--	EPA 160.1
Cinc, dissolved	0.08	0.01	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
H	7.5	--	S.U.	--	10/09/98	--	EPA 150.1

ND: Not detected at or above limit of detection
--: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98100.99

Sample Identification: METHOD BLANK
Lab Number: 9810099-17
Sample Matrix/Media: WATER

Date Sampled: --
Date Received: --

Analyte	Concentration	Method		Date Prepared	Date Analyzed	Prep Method	Method Reference
		Detection Limit	Units				
Arsenic, dissolved	<0.05	0.05	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Barium, dissolved	<0.01	0.01	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Cadmium, dissolved	<0.005	0.005	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7
Chloride	<0.1	0.1	mg/L	--	10/10/98	--	EPA 300.0
Total Dissolved Solids	<10	10	mg/L	--	10/09/98	--	EPA 160.1
Zinc, dissolved	<0.01	0.01	mg/L	10/09/98	10/12/98	EPA 200.7	EPA 200.7

0: Not detected at or above limit of detection
--: Information not available or not applicable

REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT

Date Results Requested: 10/12/98 (ASAP)

For Clayton Use Only
Clayton Lab Project No.

Rush Charges Authorized? Yes No

9810099

Phone or Fax Results

REPORT RESULTS TO	Name <u>D. ASHTON</u>	Client Job No. <u>70-47203.00.201</u>	Purchase Order No.
	Company <u>PLEASANTON</u>	Dept. <u>ERMPL</u>	Name <u>D. ASHTON</u>
	Mailing Address		Company
	City, State, Zip		Dept.
	Telephone No.	FAX No.	Address
			City, State, Zip

Special instructions and/or specific regulatory requirements: (method, limit of detection, etc.)

* LAB MUST FILTER CATH-M SAMPLES
RESULTS NEEDED 10/12/98 @ 1200 OR ASAP
CONTACT D. ASHTON BEFORE ANALYZING METALS
Explanation of Preservative (LOW TIDE)

Samples are: (check if applicable)

- Drinking Water
 Groundwater
 Wastewater

SEND INVOICE TO

Number of Containers

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.)										FOR LAB USE ONLY					
7 LF-12-L	10/8/98	2125	H ₂ O	N/A	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8 CW-13-L		2150				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
9 CW-12-L		2211				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10 CW-10-L		2218				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11 IW-L		2001				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12 2W-L		2005				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13 CW-6-L		2101				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14 CW-7-L		2116				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15 3W-L		1950				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16 4W-L		2001				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

CHAIN OF CUSTODY	Collected by: <u>D. WATTS</u> (print)	Collector's Signature: <u>D. Watts</u>		
	Relinquished by: <u>D. Watts</u>	Date/Time: <u>10/9/98 1221</u>	Received by:	Date/Time:
	Relinquished by:	Date/Time:	Received by:	Date/Time:
	Method of Shipment:	Received at Lab by: <u>Sharon Thacker</u>	Date/Time: <u>10/9/98 1227</u>	
Authorized by:	Date:	Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)		

Please return completed form and samples to one of the Clayton Group Services, Inc. labs listed below:

Detroit Regional Lab 22345 Roethel Drive Novi, MI 48375 (800) 806-5887 (248) 344-1770 FAX (248) 344-2655	Atlanta Regional Lab 400 Chastain Center Blvd., N.W., Suite 490 Kennesaw, GA 30144 (800) 252-9919 (770) 499-7500 FAX (770) 423-4990	San Francisco Regional Lab 1252 Quarry Lane Pleasanton, CA 94566 (800) 294-1755 (925) 426-2657 FAX (925) 426-0106	Seattle Regional Lab 4636 E. Marginal Way S., Suite 215 Seattle, WA 98134 (800) 568-7755 (206) 763-7364 FAX (206) 763-4189
--	---	---	--

DISTRIBUTION:
 White = Clayton Laboratory
 Yellow = Clayton Accounting
 Pink = Client Copy

San Francisco Regional Office

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(925) 426-2600
Fax (925) 426-0106

Clayton
LABORATORY
SERVICES

October 14, 1998

Mr. Don Ashton
CLAYTON ENVIRONMENTAL CONS.
1252 Quarry Lane
Pleasanton, CA 94566

Client Ref.: 70-97203.00.201
Clayton Project No.: 98101.41

Dear Mr. Ashton:

Attached is our analytical laboratory report for the samples received on October 14, 1998. Also enclosed is a copy of the Chain-of-Custody record acknowledging receipt of these samples.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact Client Services at (925) 426-2657.

Sincerely,



Patricia Flynn
Project Manager
San Francisco Regional Office

ACB/pvf

Attachments

California DHS ELAP Certification Number 1196

Clayton Laboratory Services is a Division of Clayton Group Services, Inc.

Atlanta • Boston • Chicago • Cleveland • Danbury • Detroit • Honolulu • Indianapolis • Los Angeles • Miami
Minneapolis • New York • Philadelphia • Portland • Rockford • San Francisco • Savannah • Seattle • Wichita

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98101.41

Sample Identification: See Below
 Lab Number: 9810141
 Sample Matrix/Media: WATER
 Digestion Method: EPA 200.7
 Method Reference: EPA 200.7
 Date Received: 10/14/98
 Date Digested: 10/14/98
 Date Analyzed: 10/14/98

Lab Number	Sample Identification	Date Sampled	Arsenic, dissolved (mg/L)	Method Detection Limit (mg/L)
01	1SW	10/13/98	<0.05	0.05
-02	2SW	10/13/98	0.06	0.05
03	3SW	10/13/98	<0.05	0.05
04	4SW	10/13/98	<0.05	0.05
-05	5SW	10/13/98	0.05	0.05
06	6SW	10/13/98	0.07	0.05
07	7SW	10/13/98	<0.05	0.05
-08	8SW	10/13/98	0.07	0.05
-09	METHOD BLANK	--	<0.05	0.05

D: Not detected at or above limit of detection
 -: Information not available or not applicable

Analytical Results
for
Clayton Environmental Consultants, Inc.
Client Reference: 70-97203.00.201
Clayton Project No. 98101.41

Sample Identification: See Below	Date Received: 10/14/98
Lab Number: 9810141	Date Digested: 10/14/98
Sample Matrix/Media: WATER	Date Analyzed: 10/14/98
Digestion Method: EPA 200.7	
Method Reference: EPA 200.7	

Lab Number	Sample Identification	Date Sampled	Zinc, dissolved (mg/L)	Method Detection Limit (mg/L)
01	1SW	10/13/98	0.29	0.01
-02	2SW	10/13/98	0.55	0.01
03	3SW	10/13/98	0.03	0.01
04	4SW	10/13/98	0.03	0.01
-05	5SW	10/13/98	0.07	0.01
06	6SW	10/13/98	0.06	0.01
07	7SW	10/13/98	0.06	0.01
-08	8SW	10/13/98	0.05	0.01
-09	METHOD BLANK	--	<0.01	0.01

0: Not detected at or above limit of detection
-: Information not available or not applicable

REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT

Page ____ of ____

Date Results Requested: 10-14-98
 Rush Charges Authorized? Yes No
 Phone or Fax Results

For Clayton Use Only
 Clayton Lab Project No.

9810141

REPORT RESULTS TO	Name <u>Don Ashton</u>	Client Job No. <u>70 97203, UO, 201</u>	Purchase Order No.
	Company <u>CLAYTON</u>	Dept.	Name
	Mailing Address		Company
	City, State, Zip		Dept.
Telephone No. <u>X-279</u>	FAX No.	Address	
		City, State, Zip	

Special instructions and/or specific regulatory requirements: (method, limit of detection, etc.)					Samples are: (check if applicable)		Number of Containers	ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.)								FOR LAB USE ONLY	
* Explanation of Preservative					<input type="checkbox"/> Drinking Water	<input type="checkbox"/> Groundwater		<input type="checkbox"/> Wastewater									
CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)													
<u>1 SW</u>	<u>10-13-98</u>	<u>15:21</u>	<u>WATER</u>	<u>500 ml PLASTIC</u>	<input checked="" type="checkbox"/>												
<u>2 SW</u>		<u>15:23</u>															
<u>3 SW</u>		<u>15:25</u>															
<u>4 SW</u>		<u>15:33</u>															
<u>5 SW</u>		<u>15:43</u>															
<u>6 SW</u>		<u>15:52</u>															
<u>7 SW</u>		<u>15:55</u>															
<u>8 SW</u>		<u>18:08</u>															

CHAIN OF CUSTODY	Collected by: <u>Don Ashton</u> (print)	Collector's Signature: <u>[Signature]</u>
	Relinquished by: <u>[Signature]</u>	Date/Time: <u>10-14-98 08:15</u>
	Relinquished by:	Date/Time:
	Method of Shipment:	Received at Lab by: <u>Lisa Cancell</u>
Authorized by: <u>[Signature]</u>	Date: <u>10-14-98</u>	Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)

Please return completed form and samples to one of the Clayton Group Services, Inc. labs listed below:

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APPENDIX I
RISK ASSESSMENT WORKPLAN

DRAFT



*Risk Assessment Workplan
Coliseum Properties
Oakland, California*

prepared for:

Millennium Holdings, Inc.

October 19, 1998

prepared by:

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**RISK ASSESSMENT WORKPLAN
COLISUEM PROPERTIES
OAKLAND, CALIFORNIA**

19 October, 1998

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1. Introduction

Millennium Holdings, Inc. (Millennium) has undertaken the responsibility for the contaminant investigation and clean-up at the properties located on 5050, 5051, and 5200 Coliseum Way, Oakland, Alameda County.

A variety of manufacturing processes have historically occurred at the Site location since the turn of the century. Onsite data have already been collected by several consultants, and currently the regulatory oversight agency at the Site is the San Francisco Bay Regional Water Quality Control Board (SFRWQCB). On February 18, 1998, SFRWQCB issued a letter requesting several Technical Reports to assist with, 1) investigation of soil and groundwater pollution in the vicinity and, 2) facility cleanup and/or risk management of the pollution.

As part of SFRWQCB requirements, a *Risk Assessment Workplan (Workplan)*, and *Risk Assessment Report (RA)* must be completed. This document represents the *Workplan* phase of the overall *RA*, and contains a summary of the fundamental approach to the *RA*, and the guidance that will be used in completing the *RA*.

Because the *RA* must serve as a tool in the overall *Site Management Plan*, it must provide information that can be used to define the need for, and extent of, potential site mitigation. This *Workplan* therefore includes a description of an *RA* consisting of the following components:

- Receptors of interest
- Exposure Assessment
- Toxicity Assessment
- Risk Characterization
- Uncertainty Analysis



2. Proposed Approach

This *Workplan* offers an approach to the RA that can fulfill the requirements of SFRWQCB, and allow Millennium to properly evaluate site related risk management and remediation options, if necessary. The approach is based on regulatory guidance found in the following documents:

- Cal/EPA. 1992. *Supplemental Guidance for Human Health Multimedia Risk Assessments of Hazardous Waste and Permitted Facilities*. Office of the Science Advisor.
- EPA. 1989. *Risk Assessment Guidance for Superfund (RAGS) Volume I: Human Health Evaluation Manual (Part A)*. Office of Emergency and Remedial Response. EPA/540/1-89/002. December, 1989.

Because there are several properties under the jurisdiction of Millennium, each location will be treated as a separate Area of Concern (AOC). Detected contaminants will therefore be AOC-specific, and will not be incorrectly assumed to exist at each location, unless detected. Data for each location will be independently treated for statistical distribution, and the exposure concentrations in each location will then be used to estimate AOC-specific risks and hazards for each relevant exposure scenario.

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It is noted here that the data sets for all three properties will be compiled and statistically analyzed for RA purposes. The data will be provided to SFRWQCB for review as a separate submittal in advance of completion of the RA.

2.1 Exposure Assessment

Based upon a) the land use, b) evaluation of complete exposure pathways, and c) the fate and transport potential of the detected constituents, an exposure assessment will be prepared.

The exposure assessment will be predicated on existing Site data as presented in the *Remedial Investigation*. Additional data obtained during the course of the RA will be added where applicable.



2.1.1 Exposure Scenarios

The *RA* must address potential health impacts to human receptors based on current and future assumed industrial/commercial conditions. This typically depicts an individual as being exposed to site-wide contaminants while working under routine industrial conditions. As indicated in Section 2.0 the AOC-specific approach will identify location specific exposures that are most likely to reflect current and future use.

Under current conditions exposures to subsurface soil contamination can not occur because access to site soils is prevented by the existing asphalt and concrete structures, except at the property located at 5051 Coliseum Way where impacted soils have been covered by several feet of clean fill material.

Under future conditions, if construction and excavation activities are not restricted and regulated, exposure to subsurface site contamination could occur.

2.1.2 Receptors of Interest

It is anticipated that the only current potential receptors of interest are those employed at 5051 and 5200 Coliseum Way. Potential future receptors of interest may include maintenance personnel who may contact the impacted soils through short-term trenching and excavation exercises (e.g., sewer line or electrical service maintenance).

2.1.3 Exposure Pathways

An exposure pathway analysis will be performed to identify the existing complete exposure pathways. Only those pathways that can be considered complete, under the current and



potential land use, will be considered for further evaluation in the risk analysis. It will be assumed that:

- Potential exposure to subsurface soil contamination has the potential to occur under current conditions.
- Exposures will be limited to onsite receptors.
- Drinking water is provided by a municipal water supply which does not rely on water from this site. Therefore there are no direct drinking water exposures to groundwater.

To properly assess the anticipated exposure pathways, it will be necessary to quantify exposure point concentrations in air, both outdoor and indoor. To estimate outdoor concentration of particulates and volatile organic compounds (VOCs), the models presented in the U.S. EPA, *Soil Screening Guidance* will be used:

U.S. EPA. 1996. *Soil Screening Guidance: User's Guide and Technical Background Document*. Office of Solid Waste and Emergency Response. EPA/540/R-96/018; EPA/540/R-95/128.

If it is necessary to estimate indoor air concentrations of VOCs, the potential exposure concentrations will be made using the assumptions and models of Johnson and Ettinger (1991):

Johnson and Ettinger. 1991. *Heuristic Model for Predicting the Intrusion Rate of Contaminant Vapors into Buildings*. Environmental Science and Technology. 25(8): 1445-1452.

2.1.4 Exposure Factors

Exposure factors will be obtained from reference sources that are known to be acceptable to Cal/EPA. Because potential exposures at the property may differ from "typical exposures," it will be necessary to identify the most applicable, site-specific exposure parameters available. The risk assessment will therefore review the following regulatory guidance documents for relevant and appropriate exposure factors:



Cal/EPA. 1992. *Supplemental Guidance for Human Health Multimedia Risk Assessments of Hazardous Waste and Permitted Facilities*. Office of the Science Advisor.

U.S. EPA. 1996. *Exposure Factors Handbook, Volumes I, II, and III*. Office of Research and Development National Center for Environmental Assessment. EPA/600/P-95/002Ba; EPA/600/P-95/002Bb; EPA/600/P-95/002Bc.

Hawley, J.K. 1985. *Assessment of Health Risk from Exposure to Contaminated Soil*. Risk Analysis, Vol. 5, No.4, 1985.

2.2 Toxicity Assessment

The data sources/databases recognized by the SFRWQCB for use in the toxicity assessment will be the most recent versions of the following published document hierarchy:

- Cal/EPA Criteria for Carcinogens
- U.S. EPA Integrated Risk Information System
- U.S. EPA Health Effects Assessment Summary Tables

Currently it is anticipated that all the toxicity data can be taken from these sources since the compounds detected onsite include metals, and semi-volatile and volatile organic compounds. However, if additional data sources, other than those listed above are required, SFRWQCB will be consulted prior to using the toxicity factors.

2.3 Risk Characterization

Risk characterization results will be summarized in tables for report presentation. A set of results will be provided for each AOC. All carcinogenic risk and noncarcinogenic hazard calculations will be prepared as an appendix to the RA. Discussions will include the identification of the COC resulting in the greatest carcinogenic risks and noncarcinogenic hazards, and the exposure pathways and routes of greatest concern.



2.3.1 Carcinogens

The calculation of carcinogenic (cancer) risk probability is the product of a compound-specific SF, and the estimated exposure dose (i.e., compound intake) of that same compound. In any given scenario, multiple potential exposure pathways and COI exist. An independent cancer risk calculation is made for each compound, in each pathway that it may be present. The overall cancer risk, under a specific scenario, is the sum of the independent cancer risks for each compound, along all potential exposure routes.

The formula that will be used for calculating the cancer risk probability is:

$$\text{Cancer Risk Probability} = \text{SF} * \text{Exposure Dose}$$

2.3.2 Noncarcinogens

A quantitative description of potential noncarcinogenic (noncancer) health impacts is a ratio defined as a Hazard Quotient (HQ). The HQ is a ratio of an exposure point concentration or exposure dose of a specific COC divided by the compound-specific RfD or RfC. The overall cumulative Hazard Index (HI), under any scenario is the sum of the independent HQs for each compound, along all potential exposure routes.

The formula that will be used for calculating noncancer HQ is:

$$\text{HQ} = \text{Exposure Dose} / \text{RfD or RfC}$$

and:

$$\text{HI} = \text{HQ}_1 + \text{HQ}_2 + \dots \text{HQ}_n$$



2.4 *Uncertainty Analysis*

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The *RA* will qualitatively discuss the uncertainties inherent to this specific *RA* process. Once the primary uncertainties are addressed this will assist with the interpretation of the risk characterization results. A table of uncertainties will be provided in the *RA* Report that describes the relative order of magnitude impact of each type of uncertainty on the overall risk assessment process. It is anticipated that at a minimum, the uncertainty analysis section of the *RA* Report will discuss the impacts of parameters such as:

- Exposure scenarios and associated exposure factors
- Complete exposure pathways
- Modeling assumptions

3. Risk Assessment Reports

A Draft *RA* Report will be provided. This document will allow SFRWQCB an opportunity to review and comment on the content and methods employed in the *RA*, and to obtain an understanding of the final results. If SFRWQCB comments on Draft *RA* Report required a revised document, a Final *RA* Report will be produced. If SFRWQCB comments can be responded to in letter format, the Draft *RA* Report will not be revised, and a formal letter response will be submitted instead.