

Western Operations

1252 Quarry Lane
P.O. Box 9019
Pleasanton, CA 94566
(510) 426-2600
Fax (510) 426-0106

20225
Clayton
ENVIRONMENTAL
CONSULTANTS

August 2, 1993

Mr. Dariush Dastmalchi
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
1252 Quarry Lane
Pleasanton, CA 94566

*trans adjacent to
Cal Trans*

Client Ref.: 49872.07
Clayton Project No.: 93072.08

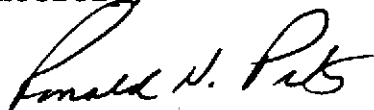
Dear Mr. Dastmalchi:

Attached is our analytical laboratory report for the samples received on July 23, 1993. A copy of the Chain-of-Custody form acknowledging receipt of these samples is attached.

Please note that any unused portion of the samples will be disposed of after September 1, 1993, unless you have requested otherwise.

We appreciate the opportunity to be of assistance to you. If you have any questions, please contact Suzanne Silvera, Client Services Supervisor, at (510) 426-2657.

Sincerely,



Ronald H. Peters, CIH
Director, Laboratory Services
Western Operations

RHP/tjb
Attachments

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 49872.07
Clayton Project No. 93072.08

Sample Matrix/Media: WATER Date Received: 07/23/93
Preparation Method: EPA 3510 Date Prepared: 07/27/93
Analysis Method: EPA 8015 (Modified) Date Analyzed: 07/28/93

Lab Number	Sample Identification	Date Sampled	TPH-D (ug/L)	Detection Limit (ug/L)
01A	BH-1	07/23/93	1,300 a	50
02A	BH-3	07/23/93	47,000 a	50
04A	METHOD BLANK	--	ND	50

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

TPH-D = Extractable petroleum hydrocarbons from C10 to C42 quantitated as diesel.

a Hydrocarbons lighter than C10 also present and some of the hydrocarbons reported as TPH-D may be due to a lighter component. Kerosene cannot be distinguished from the other hydrocarbon components present in this sample.

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 49872.07
Clayton Project No. 93072.08

Sample Matrix/Media: WATER Date Received: 07/23/93
Preparation Method: EPA 5030 Date Prepared: 07/28/93
Analysis Method: EPA 8015 (Modified) Date Analyzed: 07/28/93

Lab Number	Sample Identification	Date Sampled	TPH-G (ug/L)	Detection Limit (ug/L)
01B	BH-1	07/23/93	780a	50
04A	METHOD BLANK	--	ND	50

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

TPH-G = Volatile petroleum hydrocarbons from C4 to C12
quantitated as gasoline.
a Purgeable hydrocarbons quantitated as gasoline may be due
to heavier petroleum product.

Clayton

ENVIRONMENTAL CONSULTANTS

A Marsh & McLennan Company

REQUEST FOR LABORATORY ANALYTICAL SERVICES

For Clayton Use Only Page 1 of 1

Project No. _____

Batch No. **9307208**

Ind. Code _____ W.P. _____

Date Logged In 7/23/93 By T. ALTON

REPORT RESULTS TO	Name <u>Jessie L. Desmetzki</u>		Title _____		Purchase Order No. _____		Client Job No. _____																																																														
	Company _____		Dept. _____		Name <u>GMC Truck</u>		Company _____																																																														
	Mailing Address _____				Address _____																																																																
	City, State, Zip _____		Telephone No. _____		City, State, Zip _____		Dept. _____																																																														
Date Results Req.: <input checked="" type="checkbox"/> Rush Charges Authorized? <input type="checkbox"/> No		Phone / Fax Results <input type="checkbox"/> <input type="checkbox"/>		Samples are: (check if applicable)		ANALYSIS REQUESTED																																																															
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> <input type="checkbox"/>		<input type="checkbox"/> Drinking Water		(Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added.)																																																															
<input type="checkbox"/> Collected in the State of New York		Special Instructions: (method, limit of detection, etc.)		Number of Containers		<table border="1"> <tr> <td colspan="4">TPH-9</td> <td colspan="4">TPH-DIXEKOSCH</td> <td colspan="4">FOR LAB USE ONLY</td> </tr> <tr> <td colspan="4">7/23/93</td> <td colspan="4">1</td> <td colspan="4">01A</td> </tr> <tr> <td colspan="4">↓</td> <td colspan="4">2</td> <td colspan="4">B,C</td> </tr> <tr> <td colspan="4">BH-3</td> <td colspan="4">1</td> <td colspan="4">* 02A</td> </tr> <tr> <td colspan="4">TPH-BLK 0061193-HCD (3)</td> <td colspan="4">2</td> <td colspan="4">03A,B</td> </tr> </table>				TPH-9				TPH-DIXEKOSCH				FOR LAB USE ONLY				7/23/93				1				01A				↓				2				B,C				BH-3				1				* 02A				TPH-BLK 0061193-HCD (3)				2				03A,B			
TPH-9				TPH-DIXEKOSCH						FOR LAB USE ONLY																																																											
7/23/93				1						01A																																																											
↓				2						B,C																																																											
BH-3				1						* 02A																																																											
TPH-BLK 0061193-HCD (3)				2				03A,B																																																													
Explanation of Preservative: <u>P = HCl</u>		DATE SAMPLED		MATRIX/MEDIA		AIR VOLUME (specify units)																																																															
CLIENT SAMPLE IDENTIFICATION		DATE SAMPLED		MATRIX/MEDIA		AIR VOLUME (specify units)																																																															
BH-1		7/23/93		water		1 LIT																																																															
↓				↓		2 VOA																																																															
BH-3		7/23/93		WATER		(500ml)																																																															
TPH-BLK 0061193-HCD (3)				WATER		600ml																																																															
CHAIN OF CUSTODY		Collected by: <u>Jessie L. Desmetzki</u> (print)		Collector's Signature: <u>Jessie L. Desmetzki</u>		Received by: _____		Date/Time _____																																																													
		Relinquished by: <u>Jessie L. Desmetzki</u>		Date/Time <u>7/23/93</u>		Received at Lab by: <u>Jerry B. Bullard</u>		Date/Time <u>7/23/93</u>																																																													
		Relinquished by: _____		Date/Time _____		Sample Condition Upon Receipt: <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain) _____																																																															
		Method of Shipment: _____																																																																			
Authorized by: _____		Date: _____																																																																			
		(Client Signature <u>Must</u> Accompany Request)																																																																			

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

22345 Roethel Drive Novi, MI 48375 (313) 344-1770	Raritan Center 160 Fieldcrest Ave. Edison, NJ 08837 (908) 225-6040	400 Chastain Center Blvd., N.W. Suite 490 Kennesaw, GA 30144 (404) 499-7500	1252 Quarry Lane Pleasanton, CA 94566 (510) 426-2657
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DISTRIBUTION:

- WHITE - Clayton Laboratory
- YELLOW - Clayton Accounting
- PINK - Client Retains

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 49872.07
Clayton Project No. 93072.07

Sample Matrix/Media: SOIL
Preparation Method: SM 5520E
Analysis Method: SM 5520F
Date Received: 07/23/93
Date Prepared: 07/27/93
Date Analyzed: 07/29/93

Lab Number	Sample Identification	Date Sampled	TOG Hydrocarbons (mg/kg)	SDO E1F? Detection Limit (mg/kg)
01A	BH-1-6	07/23/93	480	50
02A	BH-1-10.5	07/23/93	ND	50
03A	BH-1-15.5	07/23/93	140	50
04A	BH-3-5.5	07/23/93	180	50
05A	BH-4-5.5	07/23/93	70	50
06A	BH-5-5.5	07/23/93	820	50
07A	BH-5-10.5	07/23/93	ND	50
08A	METHOD BLANK	--	ND	50

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

Results are reported on a wet weight basis, as received

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 49872.07
Clayton Project No. 93072.07

Sample Matrix/Media: SOIL Date Received: 07/23/93
Preparation Method: EPA 3550 Date Prepared: 07/28/93
Analysis Method: EPA 8015 (Modified) Date Analyzed: 07/29/93

Lab Number	Sample Identification	Date Sampled	TPH-D (mg/kg)	Detection Limit (mg/kg)
01A	BH-1-6	07/23/93	280 a,b	1
02A	BH-1-10.5	07/23/93	8 b	1
03A	BH-1-15.5	07/23/93	10 b	1
04A	BH-3-5.5	07/23/93	44 b	1
05A	BH-4-5.5	07/23/93	17 c	1
06A	BH-5-5.5	07/23/93	700 d	1
07A	BH-5-10.5	07/23/93	3 d	1
08A	METHOD BLANK	--	ND	1

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

Results are reported on a wet weight basis, as received
TPH-D =Extractable petroleum hydrocarbons from C10 to C42
quantitated as diesel.

- a Hydrocarbons lighter than C10 are also present and some of the hydrocarbons reported as TPH-D may be due to a lighter component.
- b Kerosene cannot be distinguished from the other hydrocarbon components present in this sample.
- c Sample appears to contain kerosene and heavier hydrocarbons in the range C20 to C42.
- d Heavier hydrocarbons present in the range of C20 to C40. No kerosene pattern detected in this sample.

Note: Sample BH-1-6 analyzed on 07/30/93.
Method Blank analyzed on 07/28/93.

Results of Analysis
for
Clayton Environmental Consultants, Inc.

Client Reference: 49872.07
Clayton Project No. 93072.07

Sample Matrix/Media: SOIL
Preparation Method: EPA 5030
Analysis Method: EPA 8015 (Modified)

Date Received: 07/23/93
Date Prepared: 07/28/93
Date Analyzed: 07/29/93

Lab Number	Sample Identification	Date Sampled	TPH-G (mg/kg)	Detection Limit (mg/kg)
01A	BH-1-6	07/23/93	340 a	0.3
02A	BH-1-10.5	07/23/93	20 a	0.3
03A	BH-1-15.5	07/23/93	0.5 a	0.3
04A	BH-3-5.5	07/23/93	6.3 a	0.3
05A	BH-4-5.5	07/23/93	51 a	0.3
06A	BH-5-5.5	07/23/93	0.5 a	0.3
07A	BH-5-10.5	07/23/93	ND	0.3
08A	METHOD BLANK	--	ND	0.3

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

Results are reported on a wet weight basis, as received
TPH-G = Volatile petroleum hydrocarbons from C4 to C12
quantitated as gasoline.

a Purgeable hydrocarbons quantitated as gasoline may be due
to heavier petroleum product.

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REQUEST FOR LABORATORY ANALYTICAL SERVICES

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Project No. _____

Batch No. 9307207

Ind. Code _____ W.P. _____

Date Logged In 7/23/93 By T. ALTON

REPORT RESULTS TO	Name <u>Dennis DeMartini</u>	Title _____	Purchase Order No. _____		Client Job No. _____	
	Company _____	Dept. _____	Name <u>GMC Truck</u>		Company _____ Dept. _____	
	Mailing Address _____		Address _____			
	City, State, Zip _____		City, State, Zip _____			
	Telephone No. _____	Telefax No. _____	Date Results Req.:		Rush Charges Authorized? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Phone / Fax Results <input type="checkbox"/> <input type="checkbox"/>
Special Instructions: (method, limit of detection, etc.) <u>5 day Turn around</u>			Samples are: (check if applicable)		ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added.)	
Explanation of Preservative: _____			<input type="checkbox"/> Drinking Water <input type="checkbox"/> Collected in the State of New York		FOR LAB USE ONLY	
CLIENT SAMPLE IDENTIFICATION			DATE SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers
<u>BH-1-6</u>			<u>7/23/93</u>	<u>Sand</u>	<u>2 x 6 BZ</u>	<u>1</u>
<u>BH-1-10.5</u>			↓	↓	↓	<u>1</u>
<u>BH-1-15.5</u>			↓	↓	↓	<u>1</u>
<u>BH-3-5.5</u>			↓	↓	↓	<u>1</u>
<u>BH-4-5.5</u>			↓	↓	↓	<u>1</u>
<u>BH-5-5.5</u>			↓	↓	↓	<u>1</u>
<u>BH-5-10.5</u>			↓	↓	↓	<u>1</u>
CHAIN OF CUSTODY	Collected by: _____	(print)	Collector's Signature: <u>Dennis DeMartini</u>		Date/Time _____	
	Relinquished by: _____	Date/Time <u>7/23/93 6:00</u>	Received by: _____		Date/Time _____	
	Relinquished by: _____	Date/Time _____	Received at Lab by: <u>Jammi Redmon</u>		Date/Time <u>7/23/93 6:00</u>	
	Method of Shipment: _____		Sample Condition Upon Receipt: <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)			
Authorized by: _____			Date _____		(Client Signature <u>Must</u> Accompany Request)	

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

22345 Roethel Drive Novi, MI 48375 (313) 344-1770	Raritan Center 160 Fieldcrest Ave. Edison, NJ 08837 (908) 225-6040	400 Chastain Center Blvd., N.W. Suite 490 Kennesaw, GA 30144 (404) 499-7500	1252 Quarry Lane Pleasanton, CA 94566 (510) 426-2657
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