

Western Operations

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

Clayton
ENVIRONMENTAL
CONSULTANTS

93 SEP -3 AM 11:48

Cal Trans border boring

September 1, 1993

Clayton Project No. 49872.070

Mr. Barney M. Chan
Hazardous Materials Specialist
Alameda County Health Agency
80 Swan Way, Room 200
Oakland, California 94261

Dear Mr. Chan:

At the request of Mr. Keith West of General Motors Corporation, Clayton Environmental Consultants, Inc. is pleased to submit a copy of our laboratory reports and a site plan showing the borehole locations at the GMC Truck Center, located at 8099 South Coliseum Way in Oakland, California.

If you have any questions, please call me at or Mr. Anthony McElligott at (510) 426-2600.

Sincerely,

Dariush Dastmalchi
Geologist

DD/dd

Enclosures

cc: Mr. Keith West, General Motors Corporation

41988-1ltr

Clayton Environmental Consultants, Inc. • A Marsh & McLennan Company • Detroit • New York/Newark • Atlanta • San Francisco
Los Angeles • Honolulu • Boston • Windsor, ON • Toronto • Birmingham, U.K. • London, U.K. • Southampton, U.K.

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P.O. Box 9019
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Clayton
ENVIRONMENTAL
CONSULTANTS

August 2, 1993

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

Client Ref.: 49872.07
Clayton Project No.: 93072.07

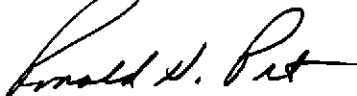
Dear Mr. Dastmalchi:

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. 93072.07

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)	SR0 E+F? 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 2	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.

Clayton

ENVIRONMENTAL
CONSULTANTS

A Marsh & McLennan Company

REQUEST FOR LABORATORY ANALYTICAL SERVICES

For Clayton Use Only Page 1 of 1

Project No. _____

Batch No. **9307207**

Ind. Code _____ W.P. _____

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

REPORT RESULTS TO	Name <u>Dennis Dastmalchi</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"/>	Samples are: (check if applicable)		ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added.)																																																																																										
Special Instructions: (method, limit of detection, etc.) <u>5 days Turn around</u>			<input type="checkbox"/> Drinking Water <input type="checkbox"/> Collected in the State of New York		<table border="1"> <tr> <th>Number of Containers</th> <th colspan="7">ANALYSIS REQUESTED</th> <th>FOR LAB USE ONLY</th> </tr> <tr> <td></td> <td>TPH-G</td> <td>TPH-D</td> <td>024</td> <td>5520</td> <td>144</td> <td>144</td> <td>144</td> <td>144</td> <td></td> </tr> <tr> <td>BH-1-6</td> <td>1</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>01A</td> </tr> <tr> <td>BH-1-10.5</td> <td>1</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>02</td> </tr> <tr> <td>BH-1-15.5</td> <td>1</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>03</td> </tr> <tr> <td>BH-3-5.5</td> <td>1</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>04A</td> </tr> <tr> <td>BH-4-5.5</td> <td>1</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>05A</td> </tr> <tr> <td>BH-5-5.5</td> <td>1</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>06A</td> </tr> <tr> <td>BH-5-10.5</td> <td>1</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>07</td> </tr> </table>		Number of Containers	ANALYSIS REQUESTED							FOR LAB USE ONLY		TPH-G	TPH-D	024	5520	144	144	144	144		BH-1-6	1	X	X	X					01A	BH-1-10.5	1	X	X	X					02	BH-1-15.5	1	X	X	X					03	BH-3-5.5	1	X	X	X					04A	BH-4-5.5	1	X	X	X					05A	BH-5-5.5	1	X	X	X					06A	BH-5-10.5	1	X	X	X					07
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BH-5-10.5	1	X	X	X					07																																																																																						
CLIENT SAMPLE IDENTIFICATION		DATE SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)																																																																																											
BH-1-6		7/23/93	Soil	2x6 BZ	1	X	X	X																																																																																							
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BH-5-10.5					1	X	X	X		07																																																																																					
CHAIN OF CUSTODY	Collected by: _____ (print)	Collector's Signature: <u>Dennis Dastmalchi</u>	Date/Time <u>7/23/93 6:00</u>		Received by: _____		Date/Time _____																																																																																								
	Relinquished by: _____	Received at Lab by: <u>Jamie Alton</u>	Date/Time _____		Sample Condition Upon Receipt: <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)																																																																																										
	Relinquished by: _____	Date/Time _____																																																																																													
	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:

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

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

Clayton
ENVIRONMENTAL
CONSULTANTS

August 2, 1993

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

Client Ref.: 49872.07
Clayton Project No.: 93072.08

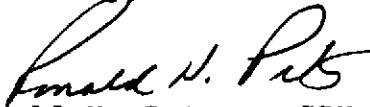
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Sincerely,



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
Preparation Method: EPA 3510
Analysis Method: EPA 8015 (Modified)

Date Received: 07/23/93
Date Prepared: 07/27/93
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	780 ^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-G = Volatile petroleum hydrocarbons from C4 to C12 quantitated as gasoline.

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

