

ENVIRONMENTAL
PROTECTION



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what is source

Ms. Eva Chu
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Department of Environmental Health
Hazardous Materials Division
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502-6577

July 30, 1996

RE: Remedial soil pile sampling and Unauthorized Release Form
Geno's Country Store, 1000 N. Vasco Road, Livermore, CA.

Dear Ms. Chu;

Enclosed herewith is an Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report form filled in on July 26, 1996 for Geno's Country Store, located at 1000 North Vasco Road in Livermore, California. This form is being provided at your request.

The aeration/passive bioremediation soil pile was sampled on July 09, 1996. Twelve samples were submitted to Chromalab, Inc. of Pleasanton, CA for analysis of TPH-G+BTEX by EPA Method 5030/8015M/8020 and for TPH-D by EPA 3510/8015M. A copy of their report and chain-of-custody documentation are attached.

All 12 samples were N.D. for TPH-G (<1.0 mg/Kg) and BTEX (<0.005 mg/Kg, each).

Attached Figure 1 shows the distribution of the 12 samples on the aeration/passive bioremediation soil pile and the analytical results for the TPH-D analysis.

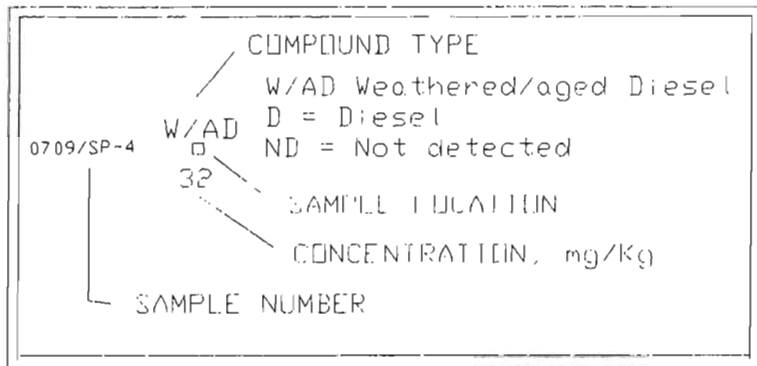
Two samples contained low concentrations of Diesel (SP-10, 28 mg/Kg and SP-12, 150 mg/Kg). Seven samples contained weathered/aged diesel, the goal of bioremediation. Three samples were reported as N.D. (<1.0 mg/Kg).

Please do not hesitate to call should you have any questions.

Sincerely,

Gary D. Lowe, R.G., C.E.G., C.H.
Principal, Hydrogeologist
Sole Proprietor





0709/SP-1	W/AD □ 41	ND □ <1.0	0709/SP-9
0709/SP-2	W/AD □ 280	D □ 28	0709/SP-10
0709/SP-3	W/AD □ 72	W/AD □ 35	0709/SP-11
0709/SP-4	W/AD □ 32	D □ 150	0709/SP-12
0709/SP-5	ND □ <1.0	RAMP UP	
0709/SP-6	ND □ <1.0		
0709/SP-7	W/AD □ 73		
0709/SP-8	W/AD □ 410		

← STYLIZED SOIL PILE OUTLINE

CENTRAL AVENUE

CHROMALAB, INC.

Environmental Services (SDB)

July 19, 1996

Submission #: 9607575

H20GEOL

Atten: Gary Lowe

Project: GENO'S COUNTRY STORE
 Received: July 8, 1996

re: 12 samples for Gasoline and BTEX compounds analysis.
 Method: EPA 5030/8015M/8020

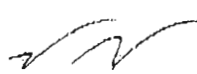
Matrix: SOIL
 Sampled: July 8, 1996 Run#: 2089 Analyzed: July 10, 1996

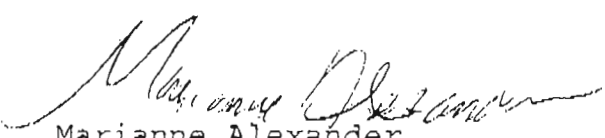
Spl#	CLIENT SPL ID	Gasoline (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl Benzene (mg/Kg)	Total Xylenes (mg/Kg)
91107	0709/SP-1	N.D.	N.D.	N.D.	N.D.	N.D.
91108	0709/SP-2	N.D.	N.D.	N.D.	N.D.	N.D.
91109	0709/SP-3	N.D.	N.D.	N.D.	N.D.	N.D.
91110	0709/SP-4	N.D.	N.D.	N.D.	N.D.	N.D.

Matrix: SOIL
 Sampled: July 8, 1996 Run#: 2116 Analyzed: July 10, 1996

Spl#	CLIENT SPL ID	Gasoline (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl Benzene (mg/Kg)	Total Xylenes (mg/Kg)
91111	0709/SP-5	N.D.	N.D.	N.D.	N.D.	N.D.
91112	0709/SP-6	N.D.	N.D.	N.D.	N.D.	N.D.
91113	0709/SP-7	N.D.	N.D.	N.D.	N.D.	N.D.
91114	0709/SP-8	N.D.	N.D.	N.D.	N.D.	N.D.
91115	0709/SP-9	N.D.	N.D.	N.D.	N.D.	N.D.
91116	0709/SP-10	N.D.	N.D.	N.D.	N.D.	N.D.
91117	0709/SP-11	N.D.	N.D.	N.D.	N.D.	N.D.
91118	0709/SP-12	N.D.	N.D.	N.D.	N.D.	N.D.

Reporting Limits	1.0	0.0050	0.0050	0.0050	0.0050
Blank Result	N.D.	N.D.	N.D.	N.D.	N.D.
Blank Spike Result (%)	64.2	86.0	90.5	92.0	95.2


 June Zhao
 Chemist


 Marianne Alexander
 Gas/BTEX Supervisor

CHROMALAB, INC.

Environmental Services (SDB)

July 22, 1996

Submission #: 9607575

H20GEOL

Atten: Gary Lowe

Project: GENO'S COUNTRY STORE
Received: July 8, 1996

re: 12 samples for TPH - Diesel analysis.
Method: EPA 3510/8015M

Sampled: July 8, 1996 Matrix: SOIL Extracted: July 10, 1996
Run#: 2118 Analyzed: July 11, 1996

Spl#	CLIENT SPL ID	DIESEL (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
91107	0709/SP-1	41	1.0	N.D.	78.8	1

Note: Hydrocarbon reported has characteristics of weathered/aged Diesel.

Sampled: July 8, 1996 Matrix: SOIL Extracted: July 10, 1996
Run#: 2118 Analyzed: July 12, 1996

Spl#	CLIENT SPL ID	DIESEL (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
91110	0709/SP-4	32	1.0	N.D.	78.8	1

Note: Hydrocarbon reported has characteristics of weathered/aged Diesel.

Sampled: July 8, 1996 Matrix: SOIL Extracted: July 10, 1996
Run#: 2118 Analyzed: July 17, 1996

Spl#	CLIENT SPL ID	DIESEL (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
91109	0709/SP-3	72	1.0	N.D.	78.8	1

Note: Hydrocarbon reported has characteristics of weathered/aged Diesel.

Sampled: July 8, 1996 Matrix: SOIL Extracted: July 15, 1996
Run#: 2185 Analyzed: July 18, 1996

Spl#	CLIENT SPL ID	DIESEL (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
91111	0709/SP-5	N.D.	1.0	N.D.	74.6	1
91112	0709/SP-6	N.D.	1.0	N.D.	74.6	1

CHROMALAB, INC.

Environmental Services (SDB)

July 22, 1996

Submission #: 9607575

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H20GEOL

Atten: Gary Lowe

Project: GENO'S COUNTRY STORE

Received: July 8, 1996

re: 12 samples for TPH - Diesel analysis, continued.

Method: EPA 3510/8015M

Sampled: July 8, 1996 Matrix: SOIL Run#: 2185 Extracted: July 15, 1996 Analyzed: July 19, 1996

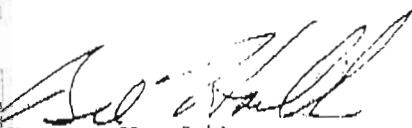
Spl#	CLIENT SPL ID	DIESEL (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
91113	0709/SP-7	73	1.0	N.D.	74.6	1
Note: Hydrocarbon reported has characteristics of weathered/aged Diesel.						
91114	0709/SP-8	410	20	N.D.	74.6	20
Note: Hydrocarbon reported has characteristics of weathered/aged Diesel.						
91115	0709/SP-9	N.D.	1.0	N.D.	74.6	1
116	0709/SP-10	28	1.0	N.D.	74.6	1


Sampled: July 8, 1996 Matrix: SOIL Run#: 2218 Extracted: July 16, 1996 Analyzed: July 20, 1996

Spl#	CLIENT SPL ID	DIESEL (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
91117	0709/SP-11	35	1.0	1.18	80.4	1
Note: Hydrocarbon reported has characteristics of weathered/aged Diesel.						
91118	0709/SP-12	150	1.0	1.18	80.4	1

Sampled: July 8, 1996 Matrix: SOIL Run#: 2118 Extracted: July 10, 1996 Analyzed: ** **, ****

Spl#	CLIENT SPL ID	DIESEL (mg/Kg)	REPORTING LIMIT (mg/Kg)	BLANK RESULT (mg/Kg)	BLANK SPIKE (%)	DILUTION FACTOR
91108	0709/SP-2	280	5.0	N.D.	78.8	5
Note: Hydrocarbon reported has characteristics of weathered/aged Diesel.						


Bruce Havlik
Chemist


Alex Tam
Semivolatiles Supervisor

28655

H₂OGEOL A GROUNDWATER CONSULTANCY

P.O. BOX 2165
LIVERMORE, CALIFORNIA 94551-2165

CHAIN OF CUSTODY

DATE: 07/08/96 PAGE 1 of 1

Sample Source:
Geno's Country Store
1000 North Vasco Road
Livermore, California

SAMPLER(S): Gary D. Lowe

SAMPLER'S SIGNATURE: *Gary D. Lowe*

ANALYTE

SAMPLE RECEIPT:

TOTAL No. of CONTAINERS _____
CHAIN OF CUSTODY SEALS _____
REC'D GOOD CONDITION/COLD _____
CONFORMS TO RECORD _____
LAB NO. _____

Total Petroleum Hydrocarbons as Diesel
(EPA 3550/8015)

Total petroleum Hydrocarbons as Gasoline +
BTEX (EPA 5030/8015M + 8020/602)

NUMBER OF CONTAINERS

FAX RESULTS TO (510) 373-9222

SAMPLE ID.	DATE	TIME	MATRIX	LAB ID.	Total Petroleum Hydrocarbons as Diesel (EPA 3550/8015)	Total petroleum Hydrocarbons as Gasoline + BTEX (EPA 5030/8015M + 8020/602)					NUMBER OF CONTAINERS
0709/SP-1	7/8/96	07:21	SOIL		X	X					1
0709/SP-2	7/8/96	07:24	SOIL		X	X					1
0709/SP-3	7/8/96	07:37	SOIL		X	X					1
0709/SP-4	7/8/96	07:44	SOIL		X	X					1
0709/SP-5	7/8/96	07:53	SOIL		X	X					1
0709/SP-6	7/8/96	07:57	SOIL		X	X					1
0709/SP-7	7/8/96	08:00	SOIL		X	X					1
0709/SP-8	7/8/96	08:03	SOIL		X	X					1
0709/SP-9	7/8/96	07:17	SOIL		X	X					1
0709/SP-10	7/8/96	07:32	SOIL		X	X					1
0709/SP-11	7/8/96	07:40	SOIL		X	X					1
0709/SP-12	7/8/96	07:50	SOIL		X	X					1

RELINQUISHED BY:
SIGNATURE *Gary D. Lowe*
PRINTED NAME Gary D. Lowe
COMPANY H₂OGEOL
DATE 07/08/96
TIME 12:30

RELINQUISHED BY:
SIGNATURE _____
PRINTED NAME _____
COMPANY _____
Please note special pricing per Gary Cook.
10-Day TAT

RECEIVED BY:
SIGNATURE _____
PRINTED NAME _____
COMPANY H₂OGEOL
DATE _____
TIME _____

RECEIVED BY LABORATORY:
SIGNATURE *Chris Rowley*
PRINTED NAME *Chris Rowley*
COMPANY Chromalab, Inc.
DATE 07/08/96
TIME 12:30