

20-001

2101 Webster Street
12th Floor
Oakland, CA 94612
(510) 863-4100 • FAX (510) 863-4141



January 2, 2002
Project 7633.000

MAR 25 2002

Ms. Aniko R. Molnar
A.P.A. Fund Ltd.
775 East Blithedale Ave. #325
Mill Valley, California 94941

Subject: Results of October 2001 Environmental Soil Sampling
2801 MacArthur Boulevard
Oakland, California

Dear Ms. Molnar:

This letter presents the results of environmental field sampling and testing activities performed by Geomatrix Consultants, Inc. (Geomatrix) on behalf of A.P.A. Fund Ltd., at the 2801 MacArthur Boulevard site in Oakland, California (the site; Figure 1). The work was requested by the County of Alameda.

PROJECT DESCRIPTION

In 2000, an excavation approximately 30 feet by 50 feet in plan dimension and 15 to 18 feet deep was made at the site to remove contaminated soil associated with a former gas station located on the site. The excavation was backfilled with imported fill material. Field density test results (by others) indicated in-place densities that were less than the minimum specified and evidence of surface settlement had been noted. The Contractor, WRS Infrastructure and Environmental, Inc. (WRS) agreed to excavate the previous backfill, and reuse the material as compacted fill. A letter report dated December 10, 2001 by Geomatrix presents the results and observations of the geotechnical aspects of the earthwork construction.

During the earthwork construction, two soil samples were collected at the bottom of the excavation, approximately 15 feet below the ground surface (Figure 1). Samples were sealed in plastic bags, labeled, and stored in an ice-cooled chest. The soil samples were submitted to STL Chromalab of Pleasanton, California, for environmental testing, under Geomatrix chain-of-custody procedures. Samples were analyzed for BETX (Benzene, Toluene, Ethyl benzene, Xylene) using EPA Method 8021.

RESULTS

Analytical results are summarized below. Detailed analytical laboratory data reports for samples 1 and 2 are included in Attachment 1.

Ms. Aniko R. Molnar
 A.P.A. Fund Ltd.
 January 2, 2002
 Page 2

	Sample 1	Sample 2
Location (See Figure 1)	Trench 4, 15 feet below grade	Trench 8, 15 feet below grade
Compounds		
Benzene	Non Detect (ND)	ND
Toluene	ND	ND
Ethyl benzene	ND	ND
Xylene	0.78 mg/Kg	ND

The only compound detected was xylene(s) at a concentration of 0.78 mg/Kg in sample 2.

We appreciate the opportunity to provide A.P.A. Fund Ltd. with our professional consulting services. If you have any questions, please contact me at (510) 663-4100.

Sincerely yours,
 GEOMATRIX CONSULTANTS, INC.

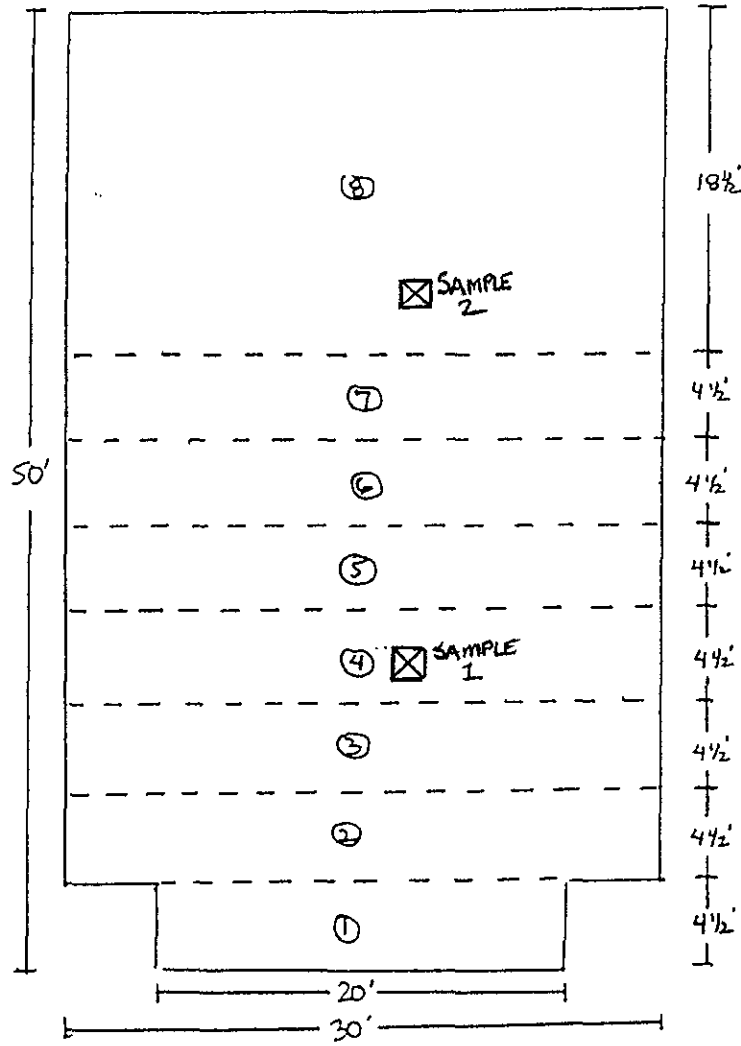


Mark Freitas, P.E.
 Principal Engineer

MF/KSK/
 I:\Project\7000s\7633\environmental letter.doc

Attachments: Figure 1 Site Plan
 Attachment 1 Laboratory Analytical Reports and Chain of Custodies

MACARTHUR BOULEVARD



DAN'S AUTO REPAIR BUILDING

NOTE: Trench 1 was located approximately 4 feet from the perimeter of the building.

- ① trench
- ⊗ Approximate location of environmental sample

-not to scale-



SITE PLAN
2801 MacArthur Boulevard
Oakland, California

Project No
7633.000

Figure
1

Attachment 1

Laboratory Analytical Reports and Chain of Custodies

Submission #: 2001-10-0649

Date: November 1, 2001

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Geomatrix Consultants

2101 Webster Street, 12th Floor
Oakland, CA 94612

Mark Freitas

RECEIVED

NOV 08 2001

MARK FREITAS

STL Chromalab
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com
CA DHS ELAP#1094

Attached is our report for your samples received on Thursday October 25, 2001
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

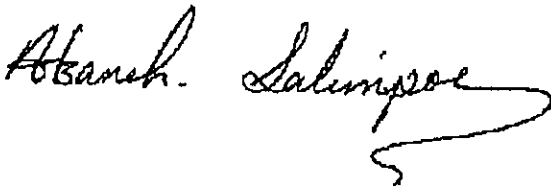
The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after
December 9, 2001 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,
please call me at (925) 484-1919.

You can also contact me via email. My email address is: asalimpour@chromalab.com

Sincerely,



Afsaneh Salimpour
Project Manager

Submission #: 2001-10-0649

Gas/BTEX Compounds by 8015M/8021



Geomatrix Consultants	☒ 2101 Webster Street, 12th Floor Oakland, CA 94612
Attn: Mark Freitas	Phone: (510) 663-4100 Fax: (510) 663-4141
7633.000	Project:

STL Chromalab
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
1	Soil	10/24/2001 13:15	1

Submission #: 2001-10-0649

Gas/BTEX Compounds by 8015M/8021

SEVERN

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Geomatrix Consultants

Attn: Mark Freitas

Test Method: 8021B

Prep Method: 5035

STL Chromalab
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Sample ID: 1	Lab Sample ID: 2001-10-0649-001
Project: 7633.000	Received: 10/25/2001 18:30
	Extracted: 10/31/2001 11:33
Sampled: 10/24/2001 13:15	QC-Batch: 2001/10/31-01.04
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Benzene	ND	0.0050	mg/Kg	1.00	10/31/2001 11:33	
Toluene	ND	0.0050	mg/Kg	1.00	10/31/2001 11:33	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/31/2001 11:33	
Xylene(s)	ND	0.0050	mg/Kg	1.00	10/31/2001 11:33	
Surrogate(s)						
Trifluorotoluene	98.9	53-125	%	1.00	10/31/2001 11:33	

Gas/BTEX Compounds by 8015M/8021

Batch QC report

Test Method: 8021B

Prep Method: 5035

STL Chromalab
1220 Quarry Lane
Pleasanton, CA 94566

Laboratory Control Spike (LCS/LCSD)		Soil	QC Batch # 2001/10/31-01.04	
LCS: 2001/10/31-01.04-004	Extracted: 10/31/2001 08:52		Analyzed: 10/31/2001 08:52	
LCSD: 2001/10/31-01.04-005	Extracted: 10/31/2001 09:19		Analyzed: 10/31/2001 09:19	

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Benzene	0.106	0.0932	0.1000	0.1000	106.0	93.2	12.9	77-123	35		
Toluene	0.101	0.0910	0.1000	0.1000	101.0	91.0	10.4	78-122	35		
Ethyl benzene	0.0992	0.0893	0.1000	0.1000	99.2	89.3	10.5	70-130	35		
Xylene(s)	0.312	0.277	0.300	0.300	104.0	92.3	11.9	75-125	35		
Surrogate(s)											
Trifluorotoluene	508	445	500	500	101.6	89.0		53-125			

2001-10-0649

62699

Chain-of Custody Record

014454

Date: 10-24-01

Page 1 of 1

Project No.: 7633.000

ANALYSES

REMARKS

Samplers (Signature):

Date	Time	Sample Number
10/24/01	1:15PM	1

EPA Method 8021 (Full Scan)	EPA Method 8021 (Hal. VOCs only)	EPA Method 8021 (BETX only)	EPA Method 8260	EPA Method 8270 (Full Scan)	EPA Method 8270 SIM (PAHS only)	Method 8015m (Gasoline)	Method 8015m (Diesel)	Method 8015m (Motor Oil)	Silica Gel Cleanup	Soil (S), Water (W) Vapor (V), or Other (o)	Filtered	Preserved	Cooled	No. of Containers
		X												

Additional Comments

Laboratory: CHROMLAB

Turnaround Time:

Results to:

Total No. of Containers

Relinquished by (Signature):

ARMANDO RAMO

Date:

Time:

Relinquished by (Signature):

Printed Name:

Company:

Date:

Time:

Relinquished by (Signature):

Printed Name:

Company:

Date:

Time:

Method of Shipment:

Laboratory Comments and Log No.:

Received
18.3°C

Company:

Received by:

Printed Name:

Company:

Date:

Time:

Received by:

Printed Name:

Company:

Date:

Time:

Received by:

Printed Name:

Company:

Date:

Time:

Geomatrix Consultants

2101 Webster Street, 12th Floor • Oakland, CA 94612
Phone 510-663-4100 Fax 510-663-4141

Submission #: 2001-10-0676

Date: November 6, 2001

SEVERN

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Geomatrix Consultants

2101 Webster Street, 12th Floor
Oakland, CA 94612

Mark Freitas

RECEIVED

NOV 12 2001

MARK FREITAS

STL Chromalab
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com
CA DHS ELAP#1094

Attached is our report for your samples received on Monday October 29, 2001
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

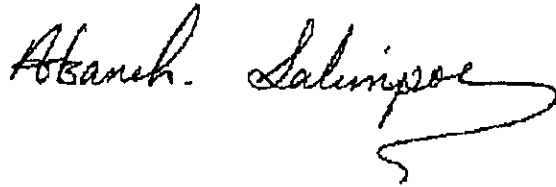
The report contains a Case Narrative detailing sample receipt and analysis.

Please note that any unused portion of the samples will be discarded after
December 13, 2001 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,
please call me at (925) 484-1919.

You can also contact me via email. My email address is: asalimpour@chromalab.com

Sincerely,



Afsaneh Salimpour
Project Manager

Submission #: 2001-10-0676

Gas/BTEX Compounds (High Level)



Geomatrix Consultants	☒ 2101 Webster Street, 12th Floor Oakland, CA 94612
Attn: Mark Freitas	Phone: (510) 663-4100 Fax: (510) 663-4141
7633.000	Project:

STL Chromalab
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
2	Soil	10/29/2001 08:55	1

Submission #: 2001-10-0676



Gas/BTEX Compounds (High Level)

Geomatrix Consultants

Test Method: 8021B

Attn: Mark Freitas

Prep Method: 5030

STL Chromalab
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: 2	Lab Sample ID: 2001-10-0676-001
Project: 7633.000	Received: 10/29/2001 14:10
	Extracted: 10/30/2001 08:00
Sampled: 10/29/2001 08:55	QC-Batch: 2001/10/30-05.02
Matrix: Soil	

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Benzene	ND	0.62	mg/Kg	1.00	11/01/2001 16:59	
Toluene	ND	0.62	mg/Kg	1.00	11/01/2001 16:59	
Ethyl benzene	ND	0.62	mg/Kg	1.00	11/01/2001 16:59	
Xylene(s)	0.78	0.62	mg/Kg	1.00	11/01/2001 16:59	
Surrogate(s)						
Trifluorotoluene	100.6	53-125	%	1.00	11/01/2001 16:59	

Submission #: 2001-10-0676



Gas/BTEX Compounds (High Level)

Batch QC report

Test Method: 8015M
8021B

Prep Method: 5030

STL Chromalab
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
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www.stl-inc.com
www.chromalab.com


CA DHS ELAP#1094

Laboratory Control Spike (LCS/LCSD)	Soil	QC Batch # 2001/10/30-05.02
LCS: 2001/10/30-05.02-002	Extracted: 10/30/2001 08:00	Analyzed: 10/31/2001 13:50
LCSD: 2001/10/30-05.02-003	Extracted: 10/30/2001 08:00	Analyzed: 10/31/2001 14:18

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery [%]		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	0.126	0.121	0.125	0.125	100.8	96.8	4.0	77-123	35		
Toluene	0.123	0.119	0.125	0.125	98.4	95.2	3.3	78-122	35		
Ethyl benzene	0.125	0.122	0.125	0.125	100.0	97.6	2.4	70-130	35		
Xylene(s)	0.381	0.376	0.375	0.375	101.6	100.3	1.3	75-125	35		
Surrogate(s)											
Trifluorotoluene	520	452	500	500	104.0	90.4		53-125	0		

2001-10-0676

62736

Chain-of Custody Record			014460										Date: 10/29/01		Page 1 of 1			
Project No.: 7633.000			ANALYSES										REMARKS					
Samplers (Signature): <i>[Signature]</i>			EPA Method 8021 (Full Scan)	EPA Method 8021 (Hal. VOCs only)	EPA Method 8021 (BTEX only)	EPA Method 8260	EPA Method 8270 (Full Scan)	EPA Method 8270 SIM (PAHS only)	Method 8015m (Gasoline)	Method 8015m (Diesel)	Method 8015m (Motor Oil)	Silica Gel Cleanup	Soil (S), Water (W) Vapor (V), or Other (o)	Filtered	Preserved	Cooled	No. of Containers	Additional Comments
Date	Time	Sample Number																
10/29	8:55am	2			X													
Laboratory: CHROMCLAB			Turnaround Time: STANDARD			Results to: MARK FREITAS			Total No. of Containers: 1			3.0°C						
			Relinquished by (Signature): <i>[Signature]</i>		Date: 10/29		Relinquished by (Signature):		Date:		Relinquished by (Signature):		Date:		Method of Shipment:			
Printed Name: ARMANDO RAMOS		Time: 9:28		Printed Name:		Time:		Printed Name:		Time:		Laboratory Comments and Log No.: Cooler rec'd sealed - DSX						
Company: GEOMATRIX CONSULTANT		Received by:		Printed Name:		Time:		Received by: Denise Harrington		Date: 10/29/01		 Geomatrix Consultants 2101 Webster Street, 12th Floor • Oakland, CA 94612 Phone 510-663-4100 Fax 510-663-4141						
Printed Name:		Received by:		Printed Name:		Time:		Printed Name: D Harrington		Time: 1410								
Company:		Received by:		Printed Name:		Time:		Company: SIL-CL		Time:								