

Project No.
4729.3.002.01

November 28, 2000

Get lab results for BTEX

Mr. George Muniz
Livermore Valley Joint Unified School District
685 East Jack London Boulevard
Livermore, CA 94550

Subject: Del Valle High School
2253 Fifth Street
Livermore, California

00 DEC 27 AM 10:41
ENVIRONMENTAL
PROTECTION

REPORT ON GROUND-WATER SAMPLING

Dear Mr. Muniz:

ENGEO Incorporated is pleased to provide the results from the most recent sampling and laboratory testing of the existing ground water monitoring well MW-1 located at 2253 Fifth Street in Livermore, California. This report presents the results of the October 2000, sampling event. The scope of services included the following:

- Purging of the monitoring well with the recovery of a ground-water sample.
- Laboratory analysis of the ground-water samples.
- Preparation of this letter report.

GROUND-WATER SAMPLING

Field work was conducted on October 13, 2000. Prior to sampling, the depth to ground water was verified, and approximately five casing volumes of water were removed from the well. The monitoring well was purged using a submersible electric pump. Water-quality parameters including temperature, pH, and conductivity were monitored to allow for adequate purging. The ground-water sample was collected for laboratory testing using a disposable polyethylene bailer. The sample was then decanted into pre-cleaned laboratory glassware and cooled in an ice chest until delivery under a documented chain-of-custody to Chromalab, Inc., in Pleasanton, California. The well-sampling information form and the chain-of-custody are provided as an attachment.

LABORATORY ANALYSIS

The ground-water samples were tested for polynuclear aromatic hydrocarbons (PNAs) (EPA 8270A), total volatile petroleum hydrocarbons (TVPH), total extractable petroleum hydrocarbons (TEPH), BTEX and polychlorinated biphenyl's (PCBs) (EPA 8082). Table I provides a summary of the laboratory test results for the monitoring well.

TABLE I
Laboratory Analysis Summary
(Concentrations reported in parts per billion)

Date	DTW	PCBs	PNA	TVPH	TEPH	B	T	E	X
6/1/00	25.8	ND	ND	ND	ND	ND	ND	ND	ND
10/13/00	30.8	ND	ND	ND	78	ND	ND	ND	1.2

DTW: Depth to water (ft.) measured from top of casing (TOC).

ND: Not detected above laboratory reporting limit

With your authorization, a copy of this report has been provided to Ms. Eva Chu with the Alameda County Department of Environmental Health.

We appreciate the opportunity to be of continued service to you on this project. If you have any questions, please contact our office.

Very truly yours,

ENGEO INCORPORATED



William Fagundes
Staff Geologist
wf/hg:groundwtr

Reviewed by:

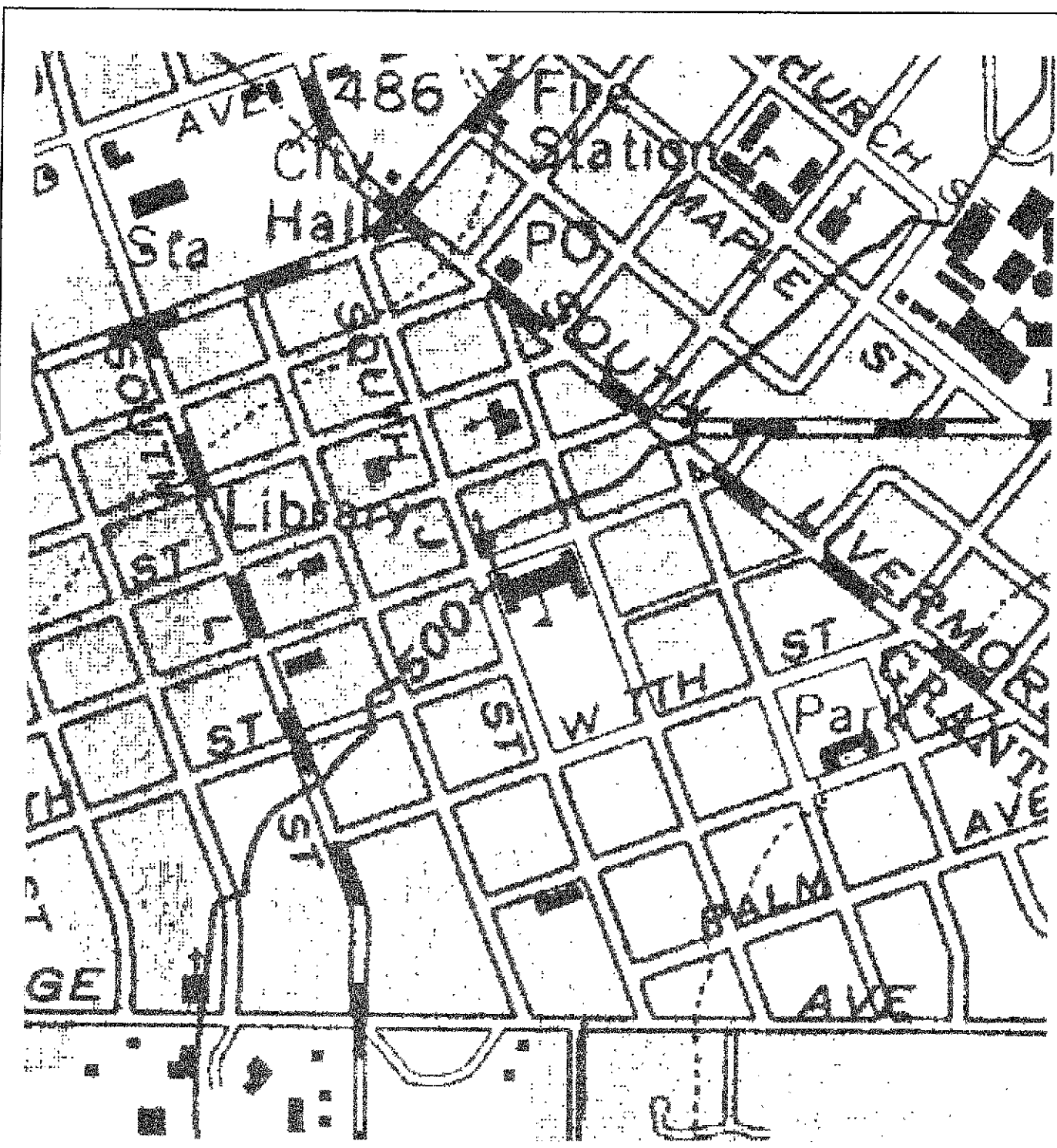


Shawn Munger
Principal - CHG 413

Attachments: Figure 1 - Site Vicinity Map
Figure 2 - Site Plan and Monitoring Well Location
Ground-Water Sampling Information Form
Chromalab, Inc., Report
Chain-of-Custody

cc: 1 - Alameda County Department of Environmental Health, Ms. Eva Chu
2 - Livermore - Pleasanton Fire Department, Ms. Danielle Stefani

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BASE MAP SOURCE: U.S.G.S.



SITE VICINITY MAP
DEL VALLE CONTINUATION HIGH SCHOOL
LIVERMORE, CALIFORNIA

PROJECT NO.: 4729.3.002.02
DATE: NOVEMBER 2000
DRAWN BY: *[Signature]* CHECKED BY: *[Signature]*

N.T.S.
FIGURE NO.
1

(BASEMENT)

SCHOOL BUILDING

APPROXIMATE DIRECTION OF GROUND-WATER FLOW (ZONE 7 WATER DISTRICT)

PIPING ALIGNMENT

MW-1

P2

P1

AREA OF RESIDUAL PETROLEUM STAINED SOIL (SUPPLY END)

10'-12'

EXCAVATION (17'-20')

T1

1,500 GALLON UST

BENCH ±8'

T2

EXCAVATION (10'-12')

EXPLANATION

MW-1



APPROXIMATE LOCATION OF MONITORING WELL



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ENGEO
INCORPORATED

SITE PLAN AND MONITORING WELL LOCATION
DEL VALLE CONTINUATION HIGH SCHOOL
2253 5TH STREET
LIVERMORE, CALIFORNIA

PROJECT NO.: 4729.3.002.02

DATE: NOVEMBER 2000

DRAWN BY: *[Signature]* CHECKED BY: *[Signature]*

FIGURE NO.

2

**ENGEO INCORPORATED
GROUND-WATER SAMPLING INFORMATION**

Job Name: Del Valle High School

Job Number: 4729.3.002.01

Location: Livermore

Date: 10/13/00

Client: Livermore Valley Unified School District

By: Bill Fagundes

WELL INFORMATION

Well Number: MW-1

Diameter (in): 2

Total Depth (ft): 48.9

Screen Length: 21.5 feet

Depth to Water (ft): 30.8 (TOC)

Casing Volume (gal): 3.1

PURGING INFORMATION

Bailer: Pump: Rate: 1.1 gpm

Time: (init./fin) 1618/1632

Volume Removed (gal): 16

No. of Casing Vol: 5.2

Time	Volume Removed (Gal.)	Total Casing Volumes	Temp°F	Conc (µmohs/cm)	pH	Comments
1618	-	-	-	-	-	turbid
1621	4	1.3	67.6	772	6.31	turbid
1625	8	2.6	67.2	768	6.30	slightly turbid
1629	12	3.9	67.1	755	6.23	slightly turbid
1632	16	5.2	67.0	763	6.23	slightly turbid to clear

SAMPLE INFORMATION

Bailer: Pump: Rate: (gpm)

Decon Procedure: TSP: OR Alquinox:

Dist. H₂O

Disposable

Other

Sample	Time	Size	Presv.	Test	Comments
MW-1	1658	(5) liters, (3) 40ml	Ice, HCl	TPH (Gasoline and Diesel) PCB 8082, and PNA 8270	slightly turbid to clear

Engeo, Inc.
2401 Crow Canyon Road, Suite 200
San Ramon, CA 94583-1545

Attn.: Bill Fagundes

Project: 4729.3.002.01
Del Valle High School

RECEIVED

NOV - 1 2000

Attached is our report for your samples received on Friday October 13, 2000
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after November 27, 2000
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

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0274

PNA analysis by 8270A

Engeo, Inc.

☒ 2401 Crow Canyon Road, Suite 200
San Ramon, CA 94583-1545

Attn: Bill Fagundes

Phone: (925) 838-1600 Fax: (925) 838-7425

Project #: 4729.3.002.01

Project: Del Valle High School

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	10/13/2000 16:58	1

1220 Quarry Lane * Pleasanton, CA 94566-4756
Telephone: (925) 484-1919 * Facsimile: (925) 484-1096

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0274

To: **Engeo, Inc.**
Attn.: Bill Fagundes

Test Method: 8270A
Prep Method: 3510/8270A

PNA analysis by 8270A

Sample ID: MW-1	Lab Sample ID: 2000-10-0274-001
Project: 4729.3.002.01 Del Valle High School	Received: 10/13/2000 18:16
Sampled: 10/13/2000 16:58	Extracted: 10/16/2000 11:24
Matrix: Water	QC-Batch: 2000/10/16-01.11
Sample/Analysis Flag rl (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Naphthalene	ND	2.6	ug/L	1.32	10/16/2000 19:38	
Acenaphthylene	ND	2.6	ug/L	1.32	10/16/2000 19:38	
Acenaphthene	ND	2.6	ug/L	1.32	10/16/2000 19:38	
Fluorene	ND	6.6	ug/L	1.32	10/16/2000 19:38	
Phenanthrene	ND	2.6	ug/L	1.32	10/16/2000 19:38	
Anthracene	ND	2.6	ug/L	1.32	10/16/2000 19:38	
Fluoranthene	ND	2.6	ug/L	1.32	10/16/2000 19:38	
Pyrene	ND	2.6	ug/L	1.32	10/16/2000 19:38	
Benzo(a)anthracene	ND	2.6	ug/L	1.32	10/16/2000 19:38	
Chrysene	ND	2.6	ug/L	1.32	10/16/2000 19:38	
Benzo(b)fluoranthene	ND	2.6	ug/L	1.32	10/16/2000 19:38	
Benzo(k)fluoranthene	ND	2.6	ug/L	1.32	10/16/2000 19:38	
Benzo(a)pyrene	ND	2.6	ug/L	1.32	10/16/2000 19:38	
Indeno(1,2,3-c,d)pyrene	ND	2.6	ug/L	1.32	10/16/2000 19:38	
Dibenzo(a,h)anthracene	ND	2.6	ug/L	1.32	10/16/2000 19:38	
Benzo(g,h,i)perylene	ND	2.6	ug/L	1.32	10/16/2000 19:38	
Surrogate(s)						
Nitrobenzene-d5	42.5	35-114	%	1.32	10/16/2000 19:38	
2-Fluorobiphenyl	44.9	43-116	%	1.32	10/16/2000 19:38	
p-Terphenyl-d14	67.0	33-141	%	1.32	10/16/2000 19:38	

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CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0274

To: **Engeo, Inc.**
Attn.: Bill Fagundes

Test Method: 8270A
Prep Method: 3510/8270A

Batch QC Report
PNA analysis by 8270A

Method Blank	Water	QC Batch # 2000/10/16-01.11
MB: 2000/10/16-01.11-001		Date Extracted: 10/16/2000 11:24

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Naphthalene	ND	2.0	ug/L	10/16/2000 15:21	
Acenaphthylene	ND	2.0	ug/L	10/16/2000 15:21	
Acenaphthene	ND	2.0	ug/L	10/16/2000 15:21	
Fluorene	ND	5.0	ug/L	10/16/2000 15:21	
Phenanthrene	ND	2.0	ug/L	10/16/2000 15:21	
Anthracene	ND	2.0	ug/L	10/16/2000 15:21	
Fluoranthene	ND	2.0	ug/L	10/16/2000 15:21	
Pyrene	ND	2.0	ug/L	10/16/2000 15:21	
Benzo(a)anthracene	ND	2.0	ug/L	10/16/2000 15:21	
Chrysene	ND	2.0	ug/L	10/16/2000 15:21	
Benzo(b)fluoranthene	ND	2.0	ug/L	10/16/2000 15:21	
Benzo(k)fluoranthene	ND	2.0	ug/L	10/16/2000 15:21	
Benzo(a)pyrene	ND	2.0	ug/L	10/16/2000 15:21	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	10/16/2000 15:21	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	10/16/2000 15:21	
Benzo(g,h,i)perylene	ND	2.0	ug/L	10/16/2000 15:21	
Surrogate(s)					
Nitrobenzene-d5	77.2	35-114	%	10/16/2000 15:21	
2-Fluorobiphenyl	68.8	43-116	%	10/16/2000 15:21	
p-Terphenyl-d14	101.2	33-141	%	10/16/2000 15:21	

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Telephone: (925) 484-1919 * Facsimile: (925) 484-1096

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0274

To: Engeo, Inc.
Attn: Bill Fagundes

Test Method: 8270A
Prep Method: 3510/8270A

Batch QC Report

PNA analysis by 8270A

Laboratory Control Spike (LCS/LCSD)	Water	QC Batch # 2000/10/16-01.11
LCS: 2000/10/16-01.11-002	Extracted: 10/16/2000 11:24	Analyzed 10/16/2000 15:57
LCSD: 2000/10/16-01.11-003	Extracted: 10/16/2000 11:24	Analyzed 10/16/2000 16:33

Compound	Conc. [ug/L]		Exp. Conc. [ug/L]		Recovery [%]		RPD [%]	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Acenaphthene	19.3	19.7	30.0	30.0	64.3	65.7	2.2	56-118	30		
Pyrene	19.5	22.0	30.0	30.0	65.0	73.3	12.0	52-115	35		
Surrogate(s)											
Nitrobenzene-d5	14.8	14.8	25	25	59.2	59.2		35-114			
2-Fluorobiphenyl	16.9	15.8	25	25	67.6	63.2		43-116			
p-Terphenyl-d14	21.7	20.4	25	25	86.8	81.6		33-141			

1220 Quarry Lane * Pleasanton, CA 94566-4756
Telephone: (925) 484-1919 * Facsimile: (925) 484-1096

To: **Engeo, Inc.**
Attn: Bill Fagundes

Test Method: 8270A
Prep Method: 3510/8270A

Legend & Notes

PNA analysis by 8270A

Analysis Flags

rl

Reporting limits raised due to reduced sample size.

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0274

Diesel

Engeo, Inc.

☒ 2401 Crow Canyon Road, Suite 200
San Ramon, CA 94583-1545

Attn: Bill Fagundes

Phone: (925) 838-1600 Fax: (925) 838-7425

Project #: 4729.3.002.01

Project: Del Valle High School

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	10/13/2000 16:58	1

1220 Quarry Lane * Pleasanton, CA 94566-4756
Telephone: (925) 484-1919 * Facsimile: (925) 484-1096

Printed on: 10/25/2000 17:25

Page 1 of 5

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0274

To: **Engeo, Inc.**
Attn.: Bill Fagundes

Test Method: 8015M
Prep Method: 3510/8015M

Diesel

Sample ID: MW-1	Lab Sample ID: 2000-10-0274-001
Project: 4729.3.002.01 Del Valle High School	Received: 10/13/2000 18:16
Sampled: 10/13/2000 16:58	Extracted: 10/16/2000 16:58
Matrix: Water	QC-Batch: 2000/10/16-05.10
Sample/Analysis Flag rl (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	78	57	ug/L	1.15	10/18/2000 06:08	nhc
Surrogate(s) o-Terphenyl	100.7	60-130	%	1.15	10/18/2000 06:08	

1220 Quarry Lane * Pleasanton, CA 94566-4756
Telephone: (925) 484-1919 * Facsimile: (925) 484-1096

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0274

To: **Engeo, Inc.**
Attn.: Bill Fagundes

Test Method: 8015M
Prep Method: 3510/8015M

Batch QC Report Diesel

Method Blank	Water	QC Batch # 2000/10/16-05.10
MB: 2000/10/16-05.10-001		Date Extracted: 10/16/2000 16:58

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	50	ug/L	10/17/2000 21:47	
Surrogate(s) o-Terphenyl	99.5	60-130	%	10/17/2000 21:47	

1220 Quarry Lane * Pleasanton, CA 94566-4756
Telephone: (925) 484-1919 * Facsimile: (925) 484-1096

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0274

To: **Engeo, Inc.**
Attn: Bill Fagundes

Test Method: 8015M
Prep Method: 3510/8015M

Batch QC Report

Diesel

Laboratory Control Spike (LCS/LCSD)	Water	QC Batch # 2000/10/16-05.10
LCS: 2000/10/16-05.10-002	Extracted: 10/16/2000 16:58	Analyzed 10/17/2000 22:26
LCSD: 2000/10/16-05.10-003	Extracted: 10/16/2000 16:58	Analyzed 10/17/2000 23:05

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD [%]	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Diesel	1150	1090	1250	1250	92.0	87.2	5.4	60-130	25		
Surrogate(s) o-Terphenyl	22.8	22.8	20.0	20.0	114.0	114.0		60-130			

1220 Quarry Lane * Pleasanton, CA 94566-4756
Telephone: (925) 484-1919 * Facsimile: (925) 484-1096

To: **Engeo, Inc.**
Attn: Bill Fagundes

Test Method: 8015M
Prep Method: 3510/8015M

Legend & Notes

Diesel

Analysis Flags

rl

Reporting limits raised due to reduced sample size.

Analyte Flags

nhc

Compounds reported are in this range but they do not exhibit a pattern characteristic of petroleum hydrocarbon.

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0274

Gas/BTEX Compounds by 8015M/8020

Engeo, Inc.

✉ 2401 Crow Canyon Road, Suite 200
San Ramon, CA 94583-1545

Attn: Bill Fagundes

Phone: (925) 838-1600 Fax: (925) 838-7425

Project #: 4729.3.002.01

Project: Del Valle High School

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	10/13/2000 16:58	1

1220 Quarry Lane * Pleasanton, CA 94566-4756
Telephone: (925) 484-1919 * Facsimile: (925) 484-1096

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0274

To: **Engeo, Inc.**

Test Method: 8015M
8020

Attn.: Bill Fagundes

Prep Method: 5030

Gas/BTEX Compounds by 8015M/8020

Sample ID: MW-1	Lab Sample ID: 2000-10-0274-001
Project: 4729.3.002.01 Del Valle High School	Received: 10/13/2000 18:16
Sampled: 10/13/2000 16:58	Extracted: 10/16/2000 17:14
Matrix: Water	QC-Batch: 2000/10/16-01.02

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/16/2000 17:14	
Surrogate(s) 4-Bromofluorobenzene-FID	85.3	50-150	%	1.00	10/16/2000 17:14	

1220 Quarry Lane * Pleasanton, CA 94566-4756
Telephone: (925) 484-1919 * Facsimile: (925) 484-1096

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0274

To: **Engeo, Inc.**

Test Method: 8015M

8020

Attn.: Bill Fagundes

Prep Method: 5030

Batch QC Report

Gas/BTEX Compounds by 8015M/8020

Method Blank	Water	QC Batch # 2000/10/16-01.02
MB: 2000/10/16-01.02-001		Date Extracted: 10/16/2000 06:30

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	10/16/2000 06:30	
Surrogate(s)					
4-Bromofluorobenzene-FID	78.6	50-150	%	10/16/2000 06:30	

1220 Quarry Lane * Pleasanton, CA 94566-4756
Telephone: (925) 484-1919 * Facsimile: (925) 484-1096

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0274

To: Engeo, Inc.

Test Method: 8015M
8020

Attn: Bill Fagundes

Prep Method: 5030

Batch QC Report

Gas/BTEX Compounds by 8015M/8020

Laboratory Control Spike (LCS/LCSD)		Water		QC Batch # 2000/10/16-01.02	
LCS:	2000/10/16-01.02-002	Extracted:	10/16/2000 07:01	Analyzed	10/16/2000 07:01
LCSD:	2000/10/16-01.02-003	Extracted:	10/16/2000 07:32	Analyzed	10/16/2000 07:32

Compound	Conc. [ug/L]		Exp. Conc. [ug/L]		Recovery [%]		RPD [%]	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Gasoline	499	501	500	500	99.8	100.2	0.4	75-125	20		
Surrogate(s)											
4-Bromofluorobenzene-FI	466	458	500	500	93.2	91.6		50-150			

1220 Quarry Lane * Pleasanton, CA 94566-4756

Telephone: (925) 484-1919 * Facsimile: (925) 484-1096

PCBs

Engeo, Inc.	✉ 2401 Crow Canyon Road, Suite 200 San Ramon, CA 94583-1545
Attn: Bill Fagundes	Phone: (925) 838-1600 Fax: (925) 838-7425
Project #: 4729.3.002.01	Project: Del Valle High School

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	10/13/2000 16:58	1

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0274

To: **Engeo, Inc.**
Attn.: Bill Fagundes

Test Method: 8082
Prep Method: 3510/8082

PCBs

Sample ID: MW-1	Lab Sample ID: 2000-10-0274-001
Project: 4729.3.002.01 Del Valle High School	Received: 10/13/2000 18:16
Sampled: 10/13/2000 16:58	Extracted: 10/18/2000 12:22
Matrix: Water	QC-Batch: 2000/10/18-02.14

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Aroclor 1016	ND	0.50	ug/L	1.00	10/19/2000 14:24	
Aroclor 1221	ND	0.50	ug/L	1.00	10/19/2000 14:24	
Aroclor 1232	ND	0.50	ug/L	1.00	10/19/2000 14:24	
Aroclor 1242	ND	0.50	ug/L	1.00	10/19/2000 14:24	
Aroclor 1248	ND	0.50	ug/L	1.00	10/19/2000 14:24	
Aroclor 1254	ND	0.50	ug/L	1.00	10/19/2000 14:24	
Aroclor 1260	ND	0.50	ug/L	1.00	10/19/2000 14:24	
Surrogate(s)						
2,4,5,6-Tetrachloro-m-xylene	85.8	62-123	%	1.00	10/19/2000 14:24	
Decachlorobiphenyl	68.7	56-136	%	1.00	10/19/2000 14:24	

1220 Quarry Lane * Pleasanton, CA 94566-4756
Telephone: (925) 484-1919 * Facsimile: (925) 484-1096

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0274

To: Engeo, Inc.
Attn.: Bill Fagundes

Test Method: 8082
Prep Method: 3510/8082

Batch QC Report PCBs

Method Blank	Water	QC Batch # 2000/10/18-02.14
MB: 2000/10/18-02.14-001		Date Extracted: 10/18/2000 12:22

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Aroclor 1016	ND	0.5	ug/L	10/19/2000 13:05	
Aroclor 1221	ND	0.5	ug/L	10/19/2000 13:05	
Aroclor 1232	ND	0.5	ug/L	10/19/2000 13:05	
Aroclor 1242	ND	0.5	ug/L	10/19/2000 13:05	
Aroclor 1248	ND	0.5	ug/L	10/19/2000 13:05	
Aroclor 1254	ND	0.5	ug/L	10/19/2000 13:05	
Aroclor 1260	ND	0.5	ug/L	10/19/2000 13:05	
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	75.0	62-123	%	10/19/2000 13:05	
Decachlorobiphenyl	75.2	56-136	%	10/19/2000 13:05	

1220 Quarry Lane * Pleasanton, CA 94566-4756
Telephone: (925) 484-1919 * Facsimile: (925) 484-1096

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0274

To: Engeo, Inc.
Attn: Bill Fagundes

Test Method: 8082
Prep Method: 3510/8082

Batch QC Report

PCBs

Laboratory Control Spike (LCS/LCSD)	Water	QC Batch # 2000/10/18-02.14
LCS: 2000/10/18-02.14-002	Extracted: 10/18/2000 12:22	Analyzed 10/19/2000 13:31
LCSD: 2000/10/18-02.14-003	Extracted: 10/18/2000 12:22	Analyzed 10/19/2000 13:58

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Aroclor 1016	1.82	1.80	2.00	2.00	91.0	90.0	1.1	65-135	30		
Aroclor 1260	1.85	1.81	2.00	2.00	92.5	90.5	2.2	65-135	30		
Surrogate(s)											
2,4,5,6-Tetrachloro-m-xyI	41.6	41.6	50	50	83.2	83.2		62-123			
Decachlorobiphenyl	39.1	40.6	50	50	78.2	81.2		56-136			

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CHROMALAB, INC.

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Reference #: 55120

Chain of Custody

Environmental Services (SDB) (DOHS 1094)

DATE _____ PAGE _____ OF _____

PROJ. MGR <u>BILL FRAGUNDAS</u> COMPANY <u>ENBEO INC</u> <u>STE 200</u> ADDRESS <u>2401 CROW CANYON RD</u> <u>SAN RAMON, CA 94583</u> SAMPLERS (SIGNATURE) <u>[Signature]</u> 915-838-1600 (PHONE NO.) 915-838-7425 (FAX NO.)					ANALYSIS REPORT																	
SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.	TPH (EPA 8015, 8020) <input checked="" type="checkbox"/> Gas w/ <input type="checkbox"/> BTEX DMTE	PURGEABLE AROMATICS BTEX (EPA 8020)	TPH-Diesel (EPA 8015M)	TEPH (EPA 8015M) <input type="checkbox"/> Diesel <input type="checkbox"/> M.O. <input type="checkbox"/> Other	PURGEABLE HALOCARBONS (EPOCs) (EPA 8010)	VOLATILE ORGANICS (VOCs) (EPA 8260)	SEMI-VOLATILES (EPA 8270)	Oil & Grease <input type="checkbox"/> Petrol <input type="checkbox"/> Total <input type="checkbox"/> 1664	PESTICIDES (EPA 9080) <input checked="" type="checkbox"/> PCB'S (EPA-9080) (8052)	PNA's by <input checked="" type="checkbox"/> 8270 <input type="checkbox"/> 8310	Spec. Cond. <input type="checkbox"/> TSS <input type="checkbox"/> TDS	LUFT METALS: Cd, Cr, Pb, Ni, Zn	CAM 17 METALS (EPA 6010/7470/7471)	TOTAL LEAD	W.E.T. (STLC) <input type="checkbox"/> TCLP	Hexavalent Chromium <input type="checkbox"/> pH (24 hr hold time for E20)	NUMBER OF CONTAINERS	
MW-1	10/13/00	1658	Aqueous	10% HCl	X		X						X	X								

PROJECT INFORMATION				SAMPLE RECEIPT				RELINQUISHED BY 1			RELINQUISHED BY 2			RELINQUISHED BY 3				
PROJECT NAME: <u>Del Valle Highschool</u>		TOTAL NO. OF CONTAINERS <u>8</u>		HEAD SPACE		TEMPERATURE		CONFORMS TO RECORD		RELINQUISHED BY <u>[Signature]</u> 1816 (SIGNATURE) (TIME) <u>BILL FRAGUNDAS 10/13/00</u> (PRINTED NAME) (DATE) <u>ENBEO INC</u> (COMPANY)			RELINQUISHED BY (SIGNATURE) (TIME) (PRINTED NAME) (DATE) (COMPANY)			RELINQUISHED BY (SIGNATURE) (TIME) (PRINTED NAME) (DATE) (COMPANY)		
PROJECT NUMBER <u>4729.3.002.01</u>		P.O. #		TAT		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> 5-DAY		<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 72 <input type="checkbox"/> OTHER		RECEIVED BY 1 (SIGNATURE) (TIME) (PRINTED NAME) (DATE) (COMPANY)			RECEIVED BY 2 (SIGNATURE) (TIME) (PRINTED NAME) (DATE) (COMPANY)			RECEIVED BY (LABORATORY) 3 <u>[Signature]</u> (SIGNATURE) (TIME) <u>D. Harrington</u> (PRINTED NAME) (DATE) <u>Chromalab 10/13/00</u> (LAB) 1816		
SPECIAL INSTRUCTIONS/COMMENTS: Report: <input type="checkbox"/> Routine <input type="checkbox"/> Level 2 <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input type="checkbox"/> Electronic Report																		