

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES

ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

June 6, 2008

Mr. Stephen Waters
Livermore Unified School District
685 E. Jack London Blvd.
Livermore, CA 94551

Subject: Fuel Leak Case No. RO0000310 and Geotracker Global ID T0600191450, Del Valle Continuation High School, 2253 5th Street, Livermore, CA – Case Closure

Dear Mr. Waters:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Section 25296.10 of the Health and Safety Code. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed.

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- Residual total petroleum hydrocarbons as motor oil remains in soil at a depth of approximately 17 feet bgs at concentrations up to 1,100 ppm.
- Residual total petroleum hydrocarbons as diesel remain in groundwater at concentrations up to 79 ppb.

If you have any questions, please call Jerry Wickham at (510) 567-6791. Thank you.

Sincerely,

Donna L. Drogos, P.E.
LOP and Toxics Program Manager

Enclosures:

1. Remedial Action Completion Certificate
2. Case Closure Summary

cc:

Ms. Cherie McCaulou (w/enc)
SF- Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612

Mr. Toru Okamoto (w/enc)
State Water Resources Control Board
UST Cleanup Fund
P.O. Box 944212
Sacramento, CA 94244-2120

Ms. Danielle Stefani (w/enc)
Livermore-Pleasanton Fire Department
3560 Nevada Street
Pleasanton, CA 94566

Ms. Cheryl Dizon, QIC 80201 (w/enc)
Zone 7 Water Agency
100 North Canyons Parkway
Livermore, CA 94551

City of Livermore Planning Department (w/enc)
1052 South Livermore Avenue
Livermore, CA 94550

Jerry Wickham (w/orig enc), D. Drogos (w/enc), File (w/enc)



REMEDIAL ACTION COMPLETION CERTIFICATION

June 6, 2008

Mr. Stephen Waters
Livermore Unified School District
685 E. Jack London Blvd.
Livermore, CA 94551

Subject: Fuel Leak Case No. RO0000310 and Geotracker Global ID T0600191450, Del Valle Continuation High School, 2253 5th Street, Livermore, CA – Case Closure

Dear Mr. Waters:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25296.10 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ariu Levi', is written over the typed name and title.

Ariu Levi
Director
Alameda County Environmental Health

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: July 2, 2001

Agency name: **Alameda County-HazMat**
City/State/Zip: **Alameda, CA 94502**
Responsible staff person: **Eva Chu**

Address: **1131 Harbor Bay Pkwy**
Phone: **(510) 567-6700**
Title: **Hazardous Materials Spec.**

II. CASE INFORMATION

Site facility name: **Del Valle Continuation High School**

Site facility address: **2253 5th Street, Livermore, CA 94550**

RB LUSTIS Case No: **N/A**

Local Case No./LOP Case No.: **6658/RO0000310**

URF filing date: **8/13/99**

SWEEPS No: **N/A**

Responsible Parties:

Addresses:

Phone Numbers:

George Muniz
Livermore Valley USD

685 E. Jack London Blvd
Livermore, CA 94550

(925) 606-3319

Tank
No:

Size in
gal.:

Contents:

Closed in-place
or removed?:

Date:

1	1500	Heating Oil	Removed	8/13/99
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III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **Unknown**

Site characterization complete? **YES**

Date approved by oversight agency: **3/12/2001**

Monitoring Wells installed? **Yes** Number: **1**

Proper screened interval? **Yes, 23 to 50 feet bgs**

Highest GW depth below ground surface: **26.44** Lowest depth: **32.81 feet bgs in well MW-1**

Flow direction: **Assumed WNW, based on regional groundwater flow direction**

Most sensitive current use: **School**

Are drinking water wells affected? **No** Aquifer name: **Mocho Subbasin**

Is surface water affected? **No** Nearest affected SW name: **NA**

Off-site beneficial use impacts (addresses/locations): **None**

Report(s) on file? **YES** Where is report(s) filed? **Alameda County** **Livermore-Pleasanton FD**
1131 Harbor Bay Pkwy and 4550 East Ave
Alameda, CA 94502 **Livermore, CA 94550**

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment or Disposal w/destination)</u>	<u>Date</u>
Tank	1 UST	Disposed by ECI, in Richmon, CA	8/13/99
Soil	44 tons	Disposed at Altamont L.F., Livermore, CA	8/27/99

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before ¹	After ²	Before ³	After ⁴
TPH (Gas)				
TPH (Diesel)	1380		ND	79
Benzene	<.005		<0.5	<0.5
Toluene	.014		<0.5	<0.5
Ethylbenzene	<.005		<0.5	<0.5
Xylenes	.037		<0.5	<0.5
MTBE	<.005		NA	NA

Other

- NOTE: 1 soil sample collected from UST/piping trench, 8/99
 2 no overexcavation
 3 initial groundwater sample from well MW-1, 6/2001
 4 most recent groundwater sampling event, 2/2001

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? _____
 Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? _____
 Does corrective action protect public health for current land use? **YES**
 Site management requirements: **None**
 Should corrective action be reviewed if land use changes? **No**
 Monitoring wells Decommissioned: **None, pending site closure**
 Number Decommissioned: **0** Number Retained: **1**
 List enforcement actions taken: **NA**
 List enforcement actions rescinded: **NA**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: **Eva Chu**

Title: **Haz Mat Specialist**

Signature: 

Date: 3/26/01

Reviewed by

Name: **Don Hwang**

Title: **Haz Mat Specialist**

Signature: 

Date: 3/16/01

Name: **Susan Hugo**

Title: **Acting Supervisor**

Signature: 

Date: 7/2/01

VI. RWQCB NOTIFICATION

Date Submitted to RB: 7/6/01

RB Response: *Concur*

RWQCB Staff Name: **Chuck Headlee**

Title: **AEG**

Signature: 

Date: 7/18/01

VII. ADDITIONAL COMMENTS, DATA, ETC.

In August 1999, a 1500 gallon underground storage tank, previously used to store heating fuel oil, was removed. Inspection of the tank found no apparent perforations, although some apparent hydrocarbon-impacted soil was noted at the fill end of the UST. The base of the UST was at approximately 14 feet bgs.

Two soil samples, T1 and T2, were collected from each end of the tank at 17 and 20 feet bgs, respectively. Two soil samples were also collected beneath the product piping. The soil samples were analyzed for TPHg, TEPH as diesel/heating oil/motor oil and MTBE. Up to 1380ppm TEPH was detected (in sample T1). Unremarkable levels of TPHg, BTEX and MTBE were identified. See Fig 1, 2, and Table 1

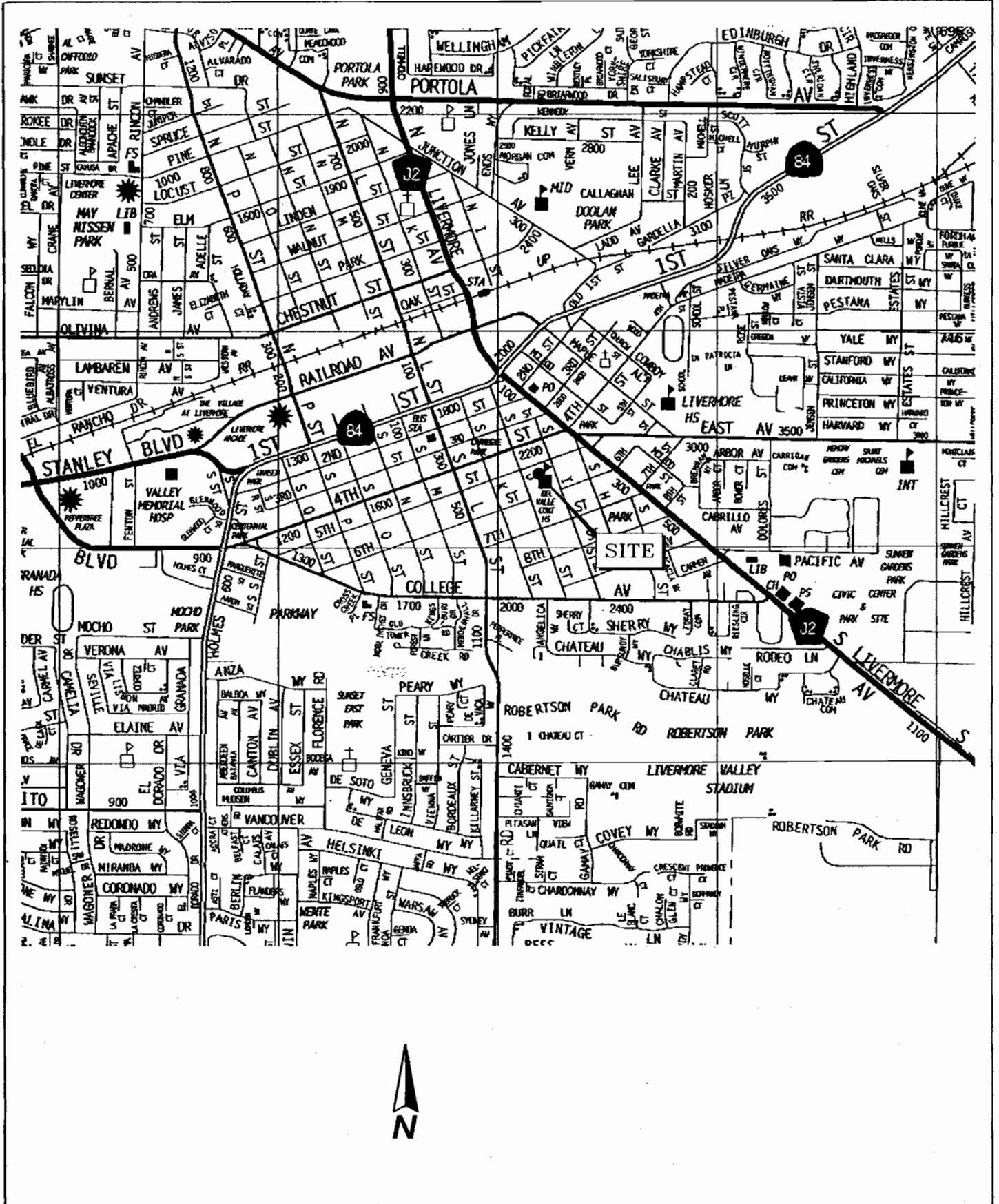
In April 2000, a groundwater monitoring well, MW1, was installed immediately NNW of the former UST, in the assumed downgradient direction. Soil samples collected at 20 and 35 feet bgs did not contain TPHd, TPHg, BTEX, or PAHs. The initial groundwater sample collected did not detect analytes sought. Groundwater has been sampled for three consecutive quarters (6/00, 10/00, and 2/01) without detecting remarkable levels of petroleum hydrocarbons. MTBE analysis was not conducted, but it is not likely that heating oil contains MTBE. Continued groundwater monitoring is not warranted. See Tables 2 and 3

Sediments beneath the site consists of 18 feet of red-brown silty gravel, overlying a brown sandy to silty gravel to 36 feet bgs. A gravelly sand is detected at 36 feet bgs to the bottom of the borehole (50 feet bgs). Groundwater was encountered at approximately 34 feet bgs at the time of drilling. It is not likely that low mobility heating oil would migrate 15 feet to adversely impact groundwater quality beneath the site.

In summary, case closure is recommended because:

- the leak and ongoing sources have been removed;
- the site has been adequately characterized;
- groundwater is not significantly impacted by the dissolved hydrocarbon plume;
- no preferential pathways exist at the site;
- no water wells, deeper drinking water aquifers, surface water, or other sensitive receptors are likely to be impacted; and,
- the site presents no significant risk to human health or the environment.

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BASE MAP SOURCE: THOMAS BROTHERS

N.T.S.

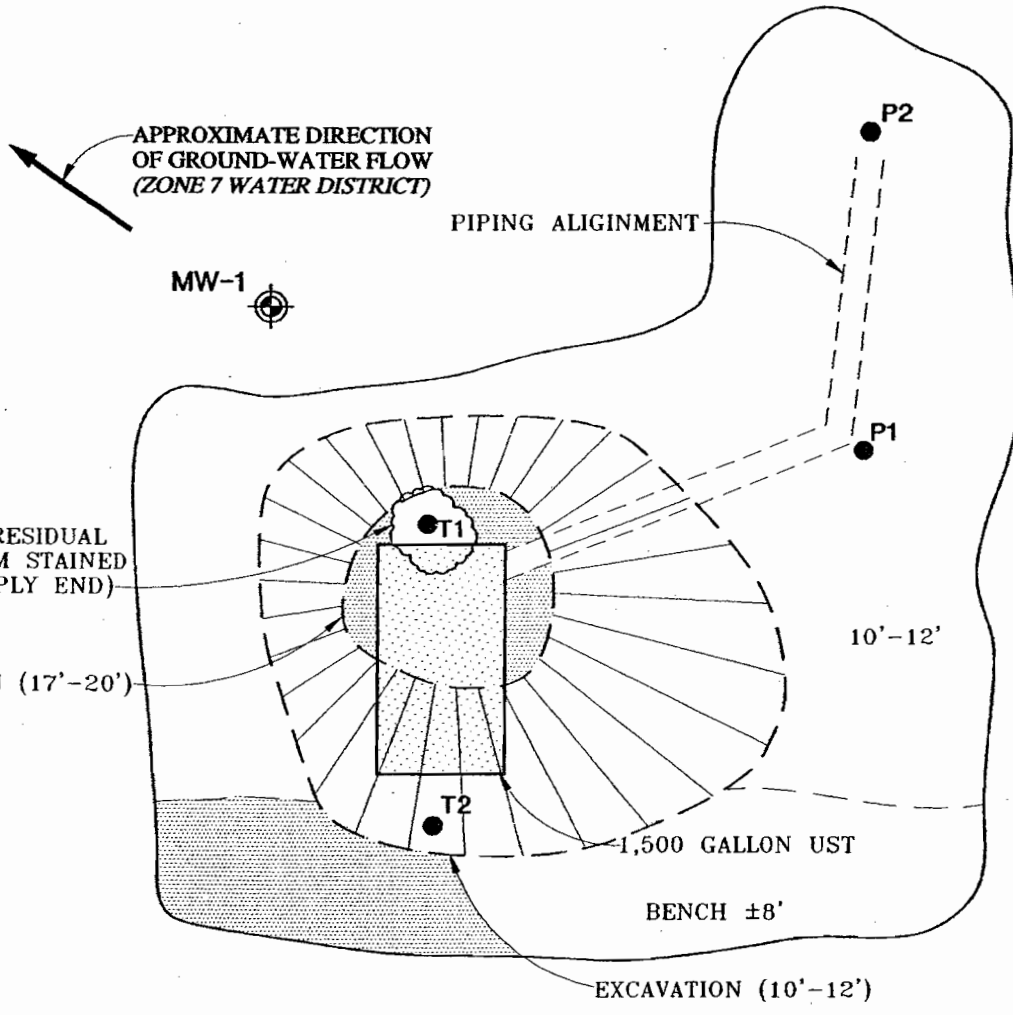


SITE VICINITY MAP
DEL VALLE HIGH SCHOOL
2253 5TH STREET
LIVERMORE, CALIFORNIA

PROJECT NO.: 4729.3.002.02	FIGURE NO.
DATE: MARCH 2000	1
DRAWN BY: <i>[Signature]</i> CHECKED BY: <i>[Signature]</i>	

(BASEMENT)

SCHOOL BUILDING



EXPLANATION

MW-1  APPROXIMATE LOCATION OF MONITORING WELL



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


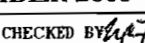
PROJECT NO.: 4729.3.002.02
DATE: NOVEMBER 2000
DRAWN BY:  CHECKED BY: 

FIGURE NO.
2

Livermore Valley Joint Unified School District
Del Valle Continuation High School
OBSERVATION AND SAMPLING SERVICES DURING
UNDERGROUND STORAGE TANK REMOVAL

4729.3.002.01
October 29, 1999
Page 3

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

Sample Number	Depth (ft)	TPPH	TEPH ¹	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MtBE
T1	20	16	1380 ²	<0.005	<0.005	<0.005	<0.005	<0.005
T2	17	<1.0	65 ²	<0.005	<0.005	<0.005	<0.005	<0.005
P1	11.5	<1.0	1.5 ³	<0.005	<0.005	<0.005	.0082	<0.005
P2	11	3.9	225 ²	<0.005	.014	<0.005	.037	<0.005
SP-1 ⁴	----	13	900 ²	<0.005	<0.005	<0.005	<0.005	<0.005

1. Cumulative concentration
2. Unidentified hydrocarbons >C12
3. Unidentified hydrocarbons >C16
4. Stockpile sample

CHROMALAB, INC.

Environmental Services (SDB)

Table 2
Submission #: 2000-05-0010

To: Engeo, Inc.
Attn.: Robert Murray

Test Method: 8015M
Prep Method: 3550/8015M

Total Extractable Petroleum Hydrocarbons (TEPH)

Sample ID: MW1-4	Lab Sample ID: 2000-05-0010-001
Project: 4729.3.002.02 Del Valle High School	Received: 04/28/2000 16:25
Sampled: 04/26/2000 10:58	Extracted: 05/05/2000 06:59
Matrix: Soil	QC-Batch: 2000/05/05-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	05/06/2000 04:19	
<i>Surrogate(s)</i> o-Terphenyl	93.0	60-130	%	1.00	05/06/2000 04:19	

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

CHROMALAB, INC.

Environmental Services (SDB)

cont. Table 2
Submission #: 2000-05-0010

To: Engeo, Inc.
Attn.: Robert Murray

Test Method: 8015M
Prep Method: 3550/8015M

Total Extractable Petroleum Hydrocarbons (TEPH)

Sample ID: MW1-7	Lab Sample ID: 2000-05-0010-004
Project: 4729.3.002.02 Del Valle High School	Received: 04/28/2000 16:25
Sampled: 04/26/2000 12:00	Extracted: 05/05/2000 06:59
Matrix: Soil	QC-Batch: 2000/05/05-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	05/06/2000 04:58	
Surrogate(s) o-Terphenyl	91.2	60-130	%	1.00	05/06/2000 04:58	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-05-0010

To: Engeo, Inc.

Test Method: 8020
8015M

Attn.: Robert Murray

Prep Method: 5030

Gas/BTEX

Sample ID: MW1-4	Lab Sample ID: 2000-05-0010-001
Project: 4729.3.002.02 Del Valle High School	Received: 04/28/2000 16:25
Sampled: 04/26/2000 10:58	Extracted: 05/02/2000 00:30
Matrix: Soil	QC-Batch: 2000/05/01-01.02

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	05/02/2000 00:30	
Benzene	ND	0.0050	mg/Kg	1.00	05/02/2000 00:30	
Toluene	ND	0.0050	mg/Kg	1.00	05/02/2000 00:30	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/02/2000 00:30	
Xylene(s)	ND	0.0050	mg/Kg	1.00	05/02/2000 00:30	
Surrogate(s)						
Trifluorotoluene	93.4	53-125	%	1.00	05/02/2000 00:30	
4-Bromofluorobenzene-FID	59.7	58-124	%	1.00	05/02/2000 00:30	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-05-0010

To: Engeo, Inc.

Test Method: 8020
8015M

Attn.: Robert Murray

Prep Method: 5030

Gas/BTEX

Sample ID: MW1-7	Lab Sample ID: 2000-05-0010-004
Project: 4729.3.002.02 Del Valle High School	Received: 04/28/2000 16:25
Sampled: 04/26/2000 12:00	Extracted: 05/05/2000 15:48
Matrix: Soil	QC-Batch: 2000/05/05-01.04

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	05/05/2000 15:48	
Benzene	ND	0.0050	mg/Kg	1.00	05/05/2000 15:48	
Toluene	ND	0.0050	mg/Kg	1.00	05/05/2000 15:48	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/05/2000 15:48	
Xylene(s)	ND	0.0050	mg/Kg	1.00	05/05/2000 15:48	
Surrogate(s)						
Trifluorotoluene	70.0	53-125	%	1.00	05/05/2000 15:48	
Trifluorotoluene-FID	63.8	53-125	%	1.00	05/05/2000 15:48	

CHROMALAB, INC.

Environmental Services (SDB)

cont. Table 2

Submission #: 2000-05-0010

To: Engeo, Inc.

Test Method: 8270A

Attn.: Robert Murray

Prep Method: 3550/8270A

PNA analysis by 8270A

Sample ID: MW1-4	Lab Sample ID: 2000-05-0010-001
Project: 4729.3.002.02 Del Valle High School	Received: 04/28/2000 16:25
Sampled: 04/26/2000 10:58	Extracted: 05/02/2000 07:35
Matrix: Soil	QC-Batch: 2000/05/02-01.11

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Naphthalene	ND	0.10	mg/Kg	1.00	05/04/2000 06:30	
Acenaphthylene	ND	0.10	mg/Kg	1.00	05/04/2000 06:30	
Acenaphthene	ND	0.10	mg/Kg	1.00	05/04/2000 06:30	
Fluorene	ND	0.10	mg/Kg	1.00	05/04/2000 06:30	
Phenanthrene	ND	0.10	mg/Kg	1.00	05/04/2000 06:30	
Anthracene	ND	0.10	mg/Kg	1.00	05/04/2000 06:30	
Fluoranthene	ND	0.10	mg/Kg	1.00	05/04/2000 06:30	
Pyrene	ND	0.10	mg/Kg	1.00	05/04/2000 06:30	
Benzo(a)anthracene	ND	0.10	mg/Kg	1.00	05/04/2000 06:30	
Chrysene	ND	0.10	mg/Kg	1.00	05/04/2000 06:30	
Benzo(b)fluoranthene	ND	0.10	mg/Kg	1.00	05/04/2000 06:30	
Benzo(k)fluoranthene	ND	0.20	mg/Kg	1.00	05/04/2000 06:30	
Benzo(a)pyrene	ND	0.050	mg/Kg	1.00	05/04/2000 06:30	
Indeno(1,2,3-c,d)pyrene	ND	0.20	mg/Kg	1.00	05/04/2000 06:30	
Dibenzo(a,h)anthracene	ND	0.20	mg/Kg	1.00	05/04/2000 06:30	
Benzo(g,h,i)perylene	ND	0.20	mg/Kg	1.00	05/04/2000 06:30	
Surrogate(s)						
Nitrobenzene-d5	70.9	23-120	%	1.00	05/04/2000 06:30	
2-Fluorobiphenyl	82.4	30-115	%	1.00	05/04/2000 06:30	
p-Terphenyl-d14	88.6	18-137	%	1.00	05/04/2000 06:30	

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CHROMALAB, INC.

Environmental Services (SDB)

cont. Table 2
Submission #: 2000-05-0010

To: Engeo, Inc.
Attn.: Robert Murray

Test Method: 8270A
Prep Method: 3550/8270A

PNA analysis by 8270A

Sample ID: MW1-7	Lab Sample ID: 2000-05-0010-004
Project: 4729.3.002.02 Del Valle High School	Received: 04/28/2000 16:25
Sampled: 04/26/2000 12:00	Extracted: 05/02/2000 07:35
Matrix: Soil	QC-Batch: 2000/05/02-01.11

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Naphthalene	ND	0.10	mg/Kg	1.00	05/03/2000 11:31	
Acenaphthylene	ND	0.10	mg/Kg	1.00	05/03/2000 11:31	
Acenaphthene	ND	0.10	mg/Kg	1.00	05/03/2000 11:31	
Fluorene	ND	0.10	mg/Kg	1.00	05/03/2000 11:31	
Phenanthrene	ND	0.10	mg/Kg	1.00	05/03/2000 11:31	
Anthracene	ND	0.10	mg/Kg	1.00	05/03/2000 11:31	
Fluoranthene	ND	0.10	mg/Kg	1.00	05/03/2000 11:31	
Pyrene	ND	0.10	mg/Kg	1.00	05/03/2000 11:31	
Benzo(a)anthracene	ND	0.10	mg/Kg	1.00	05/03/2000 11:31	
Chrysene	ND	0.10	mg/Kg	1.00	05/03/2000 11:31	
Benzo(b)fluoranthene	ND	0.10	mg/Kg	1.00	05/03/2000 11:31	
Benzo(k)fluoranthene	ND	0.20	mg/Kg	1.00	05/03/2000 11:31	
Benzo(a)pyrene	ND	0.050	mg/Kg	1.00	05/03/2000 11:31	
Indeno(1,2,3-c,d)pyrene	ND	0.20	mg/Kg	1.00	05/03/2000 11:31	
Dibenzo(a,h)anthracene	ND	0.20	mg/Kg	1.00	05/03/2000 11:31	
Benzo(g,h,i)perylene	ND	0.20	mg/Kg	1.00	05/03/2000 11:31	
Surrogate(s)						
Nitrobenzene-d5	68.4	23-120	%	1.00	05/03/2000 11:31	
2-Fluorobiphenyl	76.6	30-115	%	1.00	05/03/2000 11:31	
p-Terphenyl-d14	70.2	18-137	%	1.00	05/03/2000 11:31	

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



TABLE 3
 Laboratory Analysis Summary
 (Concentrations reported in parts per billion)

Date	DTW	PCBs	PNA	TVPH	TEPH	B	T	E	X
2/13/01	32.9	ND	ND	ND	79	ND	ND	ND	ND
10/13/00	30.8	ND	ND	ND	78	ND	ND	ND	1.2
6/1/00	25.8	ND	ND	ND	ND	ND	ND	ND	ND

DTW: Depth to water (ft.) measured from top of casing (TOC).
 ND: Not detected above laboratory reporting limit

DEPTH (FEET)	DEPTH (METERS)	SAMPLE NUMBER	LOG, LOCATION AND TYPE OF SAMPLE	DATE OF BORING: April 25, 2000		BLOWS/FT	OVM READING P.I.D. (10.0eV) (Parts Per million)	IN PLACE	
				SURFACE ELEVATION: Approx. 505 feet (154 meters)				DRY UNIT WEIGHT (PCF)	MOIST. CONTENT % DRY WEIGHT
				DESCRIPTION					
0				Paved, playground area. (asphalt)					
				SILTY GRAVEL (GM), brown, loose, subrounded. (FILL)					
5		MW1-1		Brick red color, loose, subrounded. (FILL)		36	0		
10		MW-2		Brick red color, loose, subrounded. (FILL) Abundant bricks. (FILL)		83	0		
15		MW-3				64	0		
20		MW-4		SANDY GRAVEL with CLAY (GC), brown, subrounded to subangular, dense, increasing moisture, increase clay.		50	0		
25		MW-5		SILTY CLAY (CL), brown, moist, stiff.		17	0		
30									
ENGEO INCORPORATED				DEL VALLE HIGH SCHOOL LIVERMORE, CALIFORNIA		BORING NO.: MW-1		FIGURE NO. 2	
						DATE: July 2000			
						PROJ. NO.: 4729.3.002.02			

OVM/MET 4729.GPJ 7/18/00

DEPTH (FEET)	DEPTH (METERS)	SAMPLE NUMBER	LOG, LOCATION AND TYPE OF SAMPLE	DATE OF BORING: April 25, 2000	BLOWS/FT	OVM	IN PLACE	
				SURFACE ELEVATION: Approx. 505 feet (154 meters)		READING P.I.D. (10.0eV)	DRY UNIT WEIGHT	MOIST. CONTENT
DESCRIPTION				(Parts Per million)		(PCF)	% DRY WEIGHT	
30		MW-6		SANDY CLAY (CL), brown, with trace gravel, moist, medium stiff, increasing moist, increased sand.	39	0		
				▽ Ground water encountered.				
35		MW-7		SANDY GRAVEL (GC), brown, dense, saturated.	89	0		
40		MW-8		GRAVELLY SAND (SP), brown, very saturated, loose.	50/3"	0		
				No recovery.				
45		MW-9		Gravelly SAND (SP), very saturated, loose.	55	0		
50		MW-10			43	0		
				Bottom of boring at approximately 50 1/2 feet. Ground water encountered at 34 1/2 feet during drilling.				
55								
60								

OVM/MET 4729.GPJ 7/18/00

ENGEO
INCORPORATED

DEL VALLE HIGH SCHOOL
LIVERMORE, CALIFORNIA

BORING NO.: MW-1

DATE: July 2000

PROJ. NO.: 4729.3.002.02

CHECKED BY

FIGURE NO.

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