



June 19, 1998

ENVIRONMENTAL  
PROTECTION

98 JUN 22 PM 4: 58

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Senior Hazardous Materials Specialist  
Department of Environmental Health  
1131 Harbor Bay Parkway, 2<sup>nd</sup> Floor  
Alameda, CA 94502

**Subject:** ANALYTICAL RESULTS FROM SOIL AND LIQUID SAMPLING AT 28905  
HESPERIAN BOULEVARD, HAYWARD, CA, 94545

This letter presents the results of soil and liquid sampling taken on June 10, 1998, from the area of the underground storage tank (UST-1), located at 28905 Hesperian Blvd., Hayward, CA.

**FIELD ACTIVITIES**

Bulk samples of the native soil material were obtained from the West Side Wall and North Side Wall of the excavation using a backhoe bucket. Upon retrieval, brass tubes containing the soil samples were immediately sealed with aluminum foil and polyurethane caps. Liquid samples were obtained from the excavation pit. The liquid samples were collected in 2-40 milliliter VOAs (zero head space) and 1-500 milliliter glass sample container. Each sample was then placed in a cooler with synthetic ice and kept at approximately 4 degrees Celsius (°C) prior to and during transport to a California certified laboratory for analysis. Chain of custody documentation was completed in the field and accompanied the samples to the laboratory.

**LABORATORY ANALYTICAL RESULTS**

**BTEX, MTBE and TPH as Gasoline**

Sample Name: West Side Wall, soil

Analyte	Analysis Method	Date Analyzed	Result Units: mg/Kg (ppm)
TPH as Gasoline	CA/LUFT	6/13/98	660
Benzene	8020	6/13/98	6.2
Toluene	8020	6/13/98	25
Ethylbenzene	8020	6/13/98	10
Xylene, Total	8020	6/13/98	64
Methyl-tert-butyl ether	8020	6/13/98	9.6

**LABORATORY ANALYTICAL RESULTS**

**BTEX, MTBE and TPH as Gasoline**

Sample Name: North Side Wall, soil

Analyte	Analysis Method	Date Analyzed	Result Units: mg/Kg (ppm)
TPH as Gasoline	CA/LUFT	6/11/98	ND
Benzene	8020	6/11/98	ND
Toluene	8020	6/11/98	ND
Ethylbenzene	8020	6/11/98	ND
Xylene, Total	8020	6/11/98	ND
Methyl-tert-butyl ether	8020	6/11/98	ND

ND= Not Detected

**BTEX, MTBE and TPH as Gasoline**

Sample Name: Pit Liquid -A

Analyte	Analysis Method	Date Analyzed	Result Units: ug/L (ppb)
TPH as Gasoline	CA/LUFT	6/16/98	<1,000
Benzene	8020	6/16/98	<10
Toluene	8020	6/16/98	<10
Ethylbenzene	8020	6/16/98	<10
Xylene, Total	8020	6/16/98	59
Methyl-tert-butyl ether	8020	6/16/98	1,000

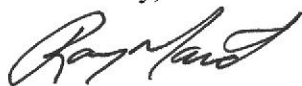
**LABORATORY ANALYTICAL RESULTS**

**Total Dissolved Solids, TDS**

Sample Name	Analysis Method	Date Analyzed	Result Units: mg/L (ppm)
Pit Liquid-B	160.1	6/12/98	2,600

If you have any questions regarding this correspondence, please contact me at 510-732-6444.

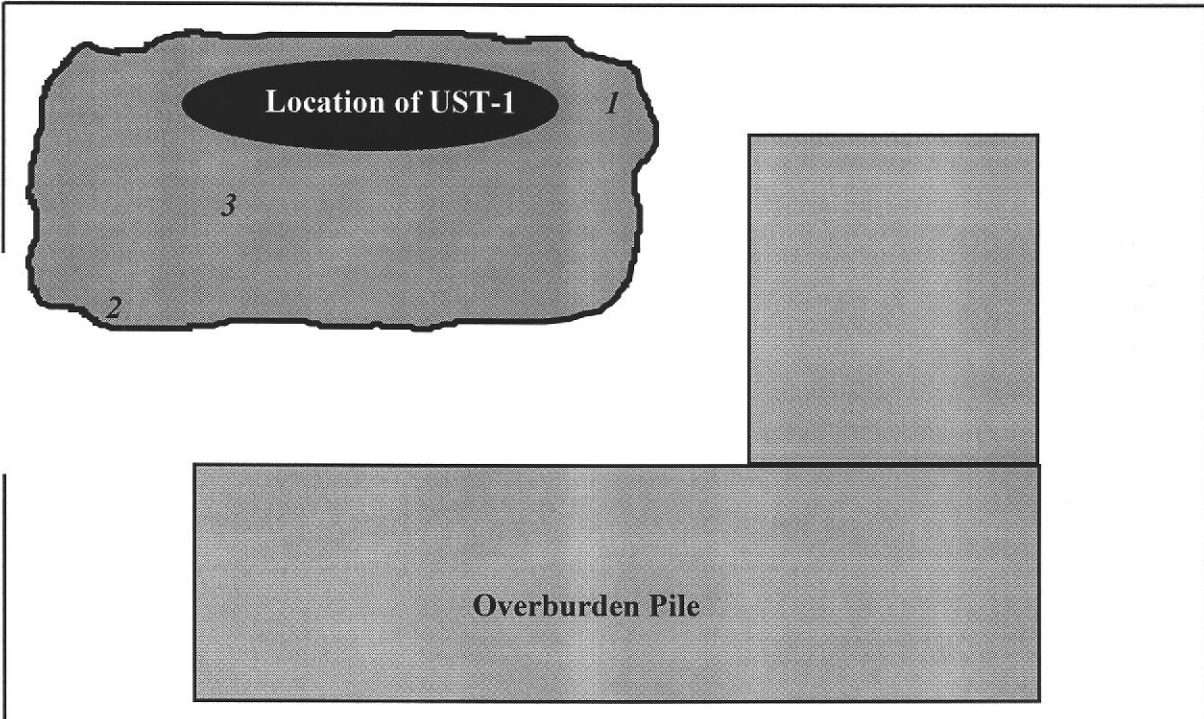
Sincerely,



Ray Maiden  
Project Superintendent

cc: Mr. Edward Phillips, P.E.

Site Map of 28905 Hesperian Blvd.



Farm Equipment Maintenance Building

Sample Locations: 1= West Side Wall, 2= North Side Wall, 3= Pit Liquid-A,B.

Note: *Drawing not to scale*

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

**Client:** Decon Enviromental Services, Inc.  
**Project:** Hesperian Site/2764  
**Sample Matrix:** Water

**Service Request:** S9801499  
**Date Collected:** 6/10/98  
**Date Received:** 6/10/98

Solids, Total Dissolved (TDS)

Prep Method: NONE  
Analysis Method: 160.1  
Test Notes:

Units: mg/L (ppm)  
Basis: NA

Sample Name	Lab Code	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Pit Liquid-B	S9801499-004	20	2	NA	6/12/98	2800	
Method Blank	S980612-MB	20	1	NA	6/12/98	ND	

**COLUMBIA ANALYTICAL SERVICES, INC.**

Analytical Report

**Client:** Decon Environmental Services, Inc.  
**Project:** Hesperian Site/2764  
**Sample Matrix:** Soil

**Service Request:** S9801499  
**Date Collected:** 6/10/98  
**Date Received:** 6/10/98

BTEX, MTBE and TPH as Gasoline

**Sample Name:** West Side Wall  
**Lab Code:** S9801499-001  
**Test Notes:**

**Units:** mg/Kg (ppm)  
**Basis:** Wet

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
TPH as Gasoline	EPA 5030	CA/LUFT	1	100	6/11/98	6/13/98	660	
Benzene	EPA 5030	8020	0.005	100	6/11/98	6/13/98	6.2	
Toluene	EPA 5030	8020	0.005	100	6/11/98	6/13/98	25	
Ethylbenzene	EPA 5030	8020	0.005	100	6/11/98	6/13/98	10	
Xylenes, Total	EPA 5030	8020	0.005	100	6/11/98	6/13/98	64	
Methyl-tert-butyl ether	EPA 5030	8020	0.05	100	6/11/98	6/13/98	9.6	

**COLUMBIA ANALYTICAL SERVICES, INC.**

Analytical Report

**Client:** Decon Environmental Services, Inc.  
**Project:** Hesperian Site/2764  
**Sample Matrix:** Soil

**Service Request:** S9801499  
**Date Collected:** 6/10/98  
**Date Received:** 6/10/98

BTEX, MTBE and TPH as Gasoline

**Sample Name:** North Side Wall  
**Lab Code:** S9801499-002  
**Test Notes:**

**Units:** mg/Kg (ppm)  
**Basis:** Wet

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
TPH as Gasoline	EPA 5030	CA/LUFT	1	1	6/11/98	6/11/98	ND	
Benzene	EPA 5030	8020	0.005	1	6/11/98	6/11/98	ND	
Toluene	EPA 5030	8020	0.005	1	6/11/98	6/11/98	ND	
Ethylbenzene	EPA 5030	8020	0.005	1	6/11/98	6/11/98	ND	
Xylenes, Total	EPA 5030	8020	0.005	1	6/11/98	6/11/98	ND	
Methyl-tert-butyl ether	EPA 5030	8020	0.05	1	6/11/98	6/11/98	ND	

**COLUMBIA ANALYTICAL SERVICES, INC.**

Analytical Report

**Client:** Decon Environmental Services, Inc.  
**Project:** Hesperian Site/2764  
**Sample Matrix:** Soil

**Service Request:** S9801499  
**Date Collected:** NA  
**Date Received:** NA

BTEX, MTBE and TPH as Gasoline

Sample Name: Method Blank  
 Lab Code: S980611-SB1  
 Test Notes:

Units: mg/Kg (ppm)  
 Basis: Wet

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
TPH as Gasoline	EPA 5030	CA LUFT	1	1	6/11/98	6/11/98	ND	
Benzene	EPA 5030	8020	0.005	1	6/11/98	6/11/98	ND	
Toluene	EPA 5030	8020	0.005	1	6/11/98	6/11/98	ND	
Ethylbenzene	EPA 5030	8020	0.005	1	6/11/98	6/11/98	ND	
Xylenes, Total	EPA 5030	8020	0.005	1	6/11/98	6/11/98	ND	
Methyl-tert-butyl ether	EPA 5030	8020	0.05	1	6/11/98	6/11/98	ND	



**COLUMBIA ANALYTICAL SERVICES, INC.**

Analytical Report

**Client:** Decon Environmental Services, Inc.  
**Project:** Hesperian Site/2764  
**Sample Matrix:** Water

**Service Request:** S9801499  
**Date Collected:** 6/10/98  
**Date Received:** 6/10/98

BTEX, MTBE and TPH as Gasoline

**Sample Name:** Pit Liquid-A  
**Lab Code:** S9801499-003  
**Test Notes:**

**Units:** ug/L (ppb)  
**Basis:** NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
TPH as Gasoline	EPA 5030	CA/LUFT	50	20	NA	6/16/98	<1000	C1
Benzene	EPA 5030	8020	0.5	20	NA	6/16/98	<10	C1
Toluene	EPA 5030	8020	0.5	20	NA	6/16/98	<10	C1
Ethylbenzene	EPA 5030	8020	0.5	20	NA	6/16/98	<10	C1
Xylenes, Total	EPA 5030	8020	0.5	20	NA	6/16/98	59	
Methyl <i>tert</i> -Butyl Ether	EPA 5030	8020	3	20	NA	6/16/98	1000	

C1

The MRL was elevated due to high analyte concentration requiring sample dilution.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

**Client:** Decon Environmental Services, Inc.  
**Project:** Hesperian Site/2764  
**Sample Matrix:** Water

**Service Request:** S9801499  
**Date Collected:** NA  
**Date Received:** NA

BTEX, MTBE and TPH as Gasoline

**Sample Name:** Method Blank  
**Lab Code:** S980616-WB1  
**Test Notes:**

**Units:** ug/L (ppb)  
**Basis:** NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
TPH as Gasoline	EPA 5030	CA/LUFT	50	1	NA	6/16/98	ND	
Benzene	EPA 5030	8020	0.5	1	NA	6/16/98	ND	
Toluene	EPA 5030	8020	0.5	1	NA	6/16/98	ND	
Ethylbenzene	EPA 5030	8020	0.5	1	NA	6/16/98	ND	
Xylenes, Total	EPA 5030	8020	0.5	1	NA	6/16/98	ND	
Methyl <i>tert</i> -Butyl Ether	EPA 5030	8020	3	1	NA	6/16/98	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

**Client:** Decon Enviromental Services, Inc.  
**Project:** Hesperian Site/2764  
**Sample Matrix:** Soil

**Service Request:** S9801499  
**Date Collected:** NA  
**Date Received:** NA  
**Date Extracted:** NA  
**Date Analyzed:** NA

Surrogate Recovery Summary  
BTEX and TPH as Gasoline

**Prep Method:** EPA 5030  
**Analysis Method:** 8020 CA/LUFT

**Units:** PERCENT  
**Basis:** NA

Sample Name	Lab Code	Test Notes	Percent Recovery	
			4-Bromofluorobenzene.	a,a,a-Trifluorotoluene
West Side Wall	S9801499-001		84	90
North Side Wall	S9801499-002		70	88
Method Blank	S980611-SB1		104	106

CAS Acceptance Limits: 51-137 51-137

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

**Client:** Decon Enviromental Services, Inc.  
**Project:** Hesperian Site/2764  
**Sample Matrix:** Water

**Service Request:** S9801499  
**Date Collected:** NA  
**Date Received:** NA  
**Date Extracted:** NA  
**Date Analyzed:** NA

Surrogate Recovery Summary  
BTEX, MTBE and TPH as Gasoline

**Prep Method:** EPA 5030  
**Analysis Method:** 8020 CA/LUFT

**Units:** PERCENT  
**Basis:** NA

Sample Name	Lab Code	Test Notes	Percent Recovery	
			4-Bromofluorobenzene	a,a,a-Trifluorotoluene
Pit Liquid-A	S9801499-003		104	101
Method Blank	S980616-WB1		112	96

CAS Acceptance Limits: 69-116 69-116

