

June 19, 1998

PROTECTION

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Mr. Scott O. Seery, CHMM Senior Hazardous Materials Specialist Department of Environmental Health 1131 Harbor Bay Parkway, 2<sup>nd</sup> Floor

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

Alameda, CA 94502

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	Analysis	Date Analyzed	Result
Name	Method	ties as established and a stables	Units: mg/L (ppm)
Pit Liquid-B	160.1	6/12/98	2,600

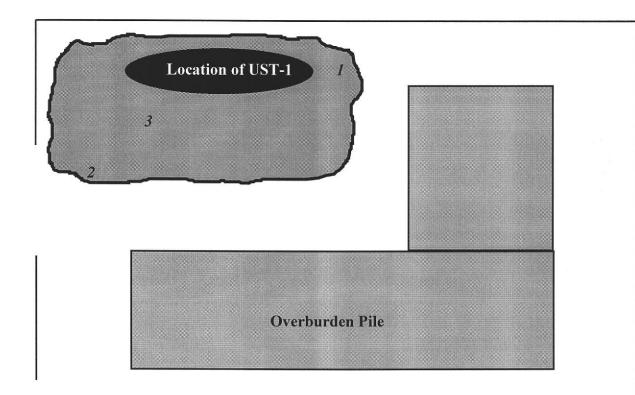
If you have any questions regarding this correspondence, please contact me at 510-732-6444.

Sincerely,

Ray Maiden

Project Superintendent

cc: Mr. Edward Phillips, P.E.



# Farm Equipment Maintenance Building

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

Note: Drawing not to scale

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

Solids, Total Dissolved (TDS)

Prep Method:

NONE

Analysis Method:

160.1

Units: mg/L (ppm)

Basis: NA

Test Notes:

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

## 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:

Test Notes:

59801499-001

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	

#### Analytical Report

Client:

Decon Environmental Services, Inc.

Project:

Sample Matrix:

Hesperian Site/2764

Soil

Service Request: \$9801499

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:

9-002

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	

## Analytical Report

Client:

Decon Environmental Services, Inc.

Project:

Hesperian Site/2764

Sample Matrix:

Soil

Service Request: \$9801499

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	

#### 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

Units: ug/L (ppb)

Lab Code:

S9801499-003

Basis: NA

Test Notes:

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	Cl
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 tert -Butyl Ether	EPA 5030	8020	3	20	NA	6/16/98	1000	

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

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#### Analytical Report

Client:

Decon Environmental Services, Inc.

Project:

Sample Matrix:

Hesperian Site/2764

Water

Service Request: S9801499

Date Collected: NA Date Received: NA

BTEX, MTBE and TPH as Gasoline

Sample Name:

Method Blank

Lab Code: Test Notes:

S980616-WB1

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 tert -Butyl Ether	EPA 5030	8020	3	1	NA	6/16/98	ND	

## QA/QC Report

Client:

Decon Environmental Services, Inc.

Service Request: S9801499

Project:

Hesperian Site/2764

Date Collected: NA

Sample Matrix:

Soil

Date Received: NA
Date Extracted: NA

Date Analyzed: NA

Surrogate Recovery Summary

BTEX and TPH as Gasoline

Prep Method:

EPA 5030

Units: PERCENT

Analysis Method: 8020 CA/LUFT

Basis: NA

Sample Name	Lab Code	Test Notes	Percent 4-Bromofluorobenzene.	Recovery a,a,a-Trifluorotoluene
West Side Wall	\$9801499-001		84	90
North Side Wall	\$9801499-002		70	88
Method Blank	S980611-SB1		104	106

CAS Acceptance Limits:

51-137

51-137

#### QA/QC Report

Client:

Decon Environmental 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

Units: PERCENT

ts. TENCENT

Analysis Method:

8020

CA/LUFT

Basis: NA

Sample NameLab CodeTest NotesPercent RecoveryPit Liquid-AS9801499-0034-Bromofluorobenzenea,a,a-TrifluorotolueneMethod BlankS980616-WB111296

CAS Acceptance Limits:

69-116

69-116



# 59801499

## CHAIN OF CUSTODY REPORT

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JOB NUMBER AND NAME:	764 Hesperians	site.						NA I	IALYS	is R	EQUE:	STED	1	1	TUR	NAROUND	TIME:		
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West Sidewall	Soil From Ex. Pit		1	C	6-10-58 102CAM 6-10-59	X	×		X		_	_			7-day Tura	910.10	4		
W North Side wall	1		1	C	1035AM	×	1	_	X		_			_					
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G = Grab C = Composite W = Wipe