

Laboratory Report for

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By

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88-072-4599

Table 1  
Codes of Samples Received  
From Beta Associates  
Project: 88-072

<u>Sampler ID</u>	<u>Date Sampled</u>	<u>Date Received</u>	<u>Lab ID#</u>	<u>Sample Type</u>	<u>Container</u>
Analysis: BTEX					
✓ V HSA-EW1	06-23-88	06-24-88	815161	Soil	Brass Tube
✓ V HSA-SW1	06-23-88	06-24-88	815160	Soil	Brass Tube
✓ V HSA-WW1	06-23-88	06-24-88	815162	Soil	Brass Tube
✓ V HSA-WW2	06-23-88	06-24-88	815163	Soil	Brass Tube
✓ X HSBEW1	06-23-88	06-24-88	815179	Soil	Brass Tube
✓ V HSBF 3 A	06-23-88	06-24-88	815156	Soil	Brass Tube
			815157	Soil	Brass Tube
			815158	Soil	Brass Tube
			815159	Soil	Brass Tube
✓ V HSBF 4 A	06-23-88	06-24-88	815152	Soil	Brass Tube
			815153	Soil	Brass Tube
			815154	Soil	Brass Tube
			815155	Soil	Brass Tube
✓ X HSBF1-1B	06-23-88	06-24-88	815168	Soil	Brass Tube
			815169	Soil	Brass Tube
			815170	Soil	Brass Tube
			815171	Soil	Brass Tube

Table 1 (Cont.)  
Codes of Samples Received  
From Beta Associates  
Project: 88-072

<u>Sampler ID</u>	<u>Date Sampled</u>	<u>Date Received</u>	<u>Lab ID#</u>	<u>Sample Type</u>	<u>Container</u>
Analysis: BTEX					
✗ HSBF2-1B	06-23-88	06-24-88	815172	Soil	Brass Tube
			815173	Soil	Brass Tube
			815174	Soil	Brass Tube
			815175	Soil	Brass Tube
✗ HSBNW1	06-23-88	06-24-88	815176	Soil	Brass Tube
✗ HSBNW2	06-23-88	06-24-88	815177	Soil	Brass Tube
✗ HSBWW1	06-23-88	06-24-88	815178	Soil	Brass Tube
GW-A	06-23-88	06-24-88	815165	Water	40ml vials
			815166	Water	40ml vial
GW-B1	06-23-88	06-24-88	815181	Water	40ml vials
			815182	Water	40ml vial
Analysis: Total Ext. Petroleum Hydrocarbons					
HSA-EW1	06-23-88	06-24-88	815161	Soil	Brass Tubes
HSA-SW1	06-23-88	06-24-88	815160	Soil	Brass Tubes
HSA-WW1	06-23-88	06-24-88	815162	Soil	Brass Tubes

Table 1 (Cont.)  
Codes of Samples Received  
From Beta Associates  
Project: 88-072

<u>Sampler ID</u>	<u>Date Sampled</u>	<u>Date Received</u>	<u>Lab ID#</u>	<u>Sample Type</u>	<u>Container</u>
Analysis: Total Ext. Petroleum Hydrocarbons					
HSA-WW2	06-23-88	06-24-88	815163	Soil	Brass Tubes
HSBF1	06-23-88	06-24-88	815168	Soil	Brass Tubes
			815169	Soil	Brass Tubes
			815170	Soil	Brass Tubes
			815171	Soil	Brass Tubes
			815172	Soil	Brass Tubes
HSBF2	06-23-88	06-24-88	815173	Soil	Brass Tubes
			815174	Soil	Brass Tubes
			815175	Soil	Brass Tubes
			815156	Soil	Brass Tubes
HSBF3	06-23-88	06-24-88	815157	Soil	Brass Tubes
			815158	Soil	Brass Tubes
			815159	Soil	Brass Tubes
HSBF4	06-23-88	06-24-88	815152	Soil	Brass Tubes
			815153	Soil	Brass Tubes
			815154	Soil	Brass Tubes
			815155	Soil	Brass Tubes

Table 1 (Cont.)  
Codes of Samples Received  
From Beta Associates  
Project: 88-072

<u>Sampler ID</u>	<u>Date Sampled</u>	<u>Date Received</u>	<u>Lab ID#</u>	<u>Sample Type</u>	<u>Container</u>
Analysis: Total Ext. Petroleum Hydrocarbons					
HSBNW1	06-23-88	06-24-88	815176	Soil	Brass Tubes
HSBNW2	06-23-88	06-24-88	815177	Soil	Brass Tubes
HSBWW1	06-23-88	06-24-88	815178	Soil	Brass Tubes
GW-A	06-23-88	06-24-88	815164	Water	Glass Liter
			815166	Water	Glass Liter
GW-B1	06-23-88	06-24-88	815180	Water	Glass Gallon
HSBEW1	06-23-88	06-24-88	815179	Soil	Brass Tubes

Table 2  
 Results of BTEX Analysis on Soil  
 Samples Received From Beta Associates  
 Results in mg/kg

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Sampler ID:	HSA-EW1	HSA-SW1	HSA-WW1	HSA-WW2	HSBEW1
Lab ID#:	<u>815161</u>	<u>815160</u>	<u>815162</u>	<u>815163</u>	<u>815179</u>
<u>Analyte(s)</u>					
Benzene	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
Toluene	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
Ethyl Benzene	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2
Xylene	ND 0.2	ND 0.2	ND 0.2	ND 0.2	ND 0.2

GA      MT  
 Analyst    Checked by

Note:  
 ND X denotes none detected to a level of X  
 #ND X denotes none detected to a level of X due to an interfering peak

Table 2 (Cont.)  
 Results of BTEX Analysis on Soil  
 Samples Received From Beta Associates  
 Results in mg/kg

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Sampler ID:	HSBF 3	HSBF 4	HSBF1-1B	HSBF2-1B	HSBNW1
Lab ID#:	<u>815156</u>	<u>815152</u>	<u>815168</u>	<u>815172</u>	<u>815176</u>
<u>Analyte(s)</u>					
Benzene	ND 0.2	#ND 2.	ND 0.2	#ND 2.	ND 0.2
Toluene	ND 0.2	#ND 2.	ND 0.2	#ND 2.	ND 0.2
Ethyl Benzene	ND 0.2	#ND 2.	ND 0.2	#ND 2.	ND 0.2
Xylene	ND 0.2	4.	ND 0.2	#ND 2.	ND 0.2

AG  
 Analyst

YMT  
 Checked by

Note:

ND X denotes none detected to a level of X

#ND X denotes none detected to a level of X due to an interfering peak

Table 2 (Cont.)  
Results of BTEX Analysis on Soil  
Samples Received From Beta Associates  
Results in mg/kg

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Sampler ID:	HSBNW2	HSBWW1
Lab ID#:	<u>815177</u>	<u>815178</u>
<u>Analyte(s)</u>		
Benzene	ND 0.2	ND 0.2
Toluene	ND 0.2	ND 0.2
Ethyl Benzene	ND 0.2	ND 0.2
Xylene	ND 0.2	ND 0.2

SA      MT  
Analyst      Checked by

Note:

ND X denotes none detected to a level of X.

#ND X denotes none detected to a level of X due to an interfering peak.

Table 3  
Results of BTEX Analysis on Water  
Samples Received From Beta Associates  
Results in mg/l

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Sampler ID:	GW-A	GW-B1
Lab ID#:	<u>815165</u>	<u>815181</u>
<u>Analyte(s)</u>		
Benzene	0.069	0.0016
Toluene	ND 0.005	0.0033
Ethyl Benzene	ND 0.005	0.0025
Xylene	0.089	0.010

M.G.      MT  
Analyst      Checked by

Note:

ND X denotes none detected to a level of X.

#ND X denotes none detected to a level of X due to an interfering peak.

Table 4  
 Results of Total Ext. Petroleum Hydrocarbons Analysis on Soil  
 Samples Received From Beta Associates  
 Results in mg/kg

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Sampler ID:	HSA-EW1	HSA-SW1	HSA-WW1	HSA-WW2	HSBF1
Lab ID#:	<u>815161</u>	<u>815160</u>	<u>815162</u>	<u>815163</u>	<u>815168-71</u>
<u>Analyte(s)</u>					
Total Extractable Petroleum Hydrocarbons	ND 10.	ND 10.	ND 10.	ND 10.	4400.

DEL      ym  
 Analyst      Checked by

Note:  
 ND X denotes none detected to a level of X  
 #ND X denotes none detected to a level of X due to an interfering peak

Table 4 (Cont.)  
Results of Total Ext. Petroleum Hydrocarbons Analysis on Soil  
Samples Received From Beta Associates  
Results in mg/kg

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Sampler ID:	HSBWW1	HSBEW1
Lab ID#:	<u>815178</u>	<u>815179</u>
<u>Analyte(s)</u>		
Total Extractable Petroleum Hydrocarbons	ND 10.	ND 10.
<u>DEL</u> Analyst	<u>Jm</u> Checked by	

Note:

ND X denotes none detected to a level of X.

#ND X denotes none detected to a level of X due to an interfering peak.

Table 4 (Cont.)  
 Results of Total Ext. Petroleum Hydrocarbons Analysis on Soil  
 Samples Received From Beta Associates  
 Results in mg/kg

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Sampler ID:	HSBF2	HSBF3	HSBF4	HSBNW1	HSBNW2
Lab ID#:	<u>815172-75</u>	<u>815156-59</u>	<u>815152-55</u>	<u>815176</u>	<u>815177</u>
<u>Analyte(s)</u>					
Total Extractable Petroleum Hydrocarbons	11,000.	41.	540.	ND 10.	130.

DEL      Jm  
 Analyst      Checked by

Note:  
 ND X denotes none detected to a level of X  
 #ND X denotes none detected to a level of X due to an interfering peak

Table 5  
Results of Total Ext. Petroleum Hydrocarbons Analysis on Water  
Samples Received From Beta Associates  
Results in mg/l

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Sampler ID:	GW-A	GW_B1
Lab ID#:	<u>815164</u>	<u>815180</u>
<u>Analyte(s)</u>		
Total Extractable Petroleum Hydrocarbons	3.6	21.

DEZ      Jm  
Analyst      Checked by

Note:

ND X denotes none detected to a level of X

#ND X denotes none detected to a level of X due to an interfering peak

Reference Methods  
Volatile Organic Analysis

	<u>Preparation</u>	<u>Analysis</u>
Water		<input checked="" type="checkbox"/> EPA 601 <input checked="" type="checkbox"/> EPA 602 <input type="checkbox"/> EPA 624
Soil	<input checked="" type="checkbox"/> EPA 5030	<input type="checkbox"/> EPA 8010 <input checked="" type="checkbox"/> EPA 8015 <input checked="" type="checkbox"/> EPA 8020 <input type="checkbox"/> EPA 8240  <input type="checkbox"/> Guidelines for Addressing Fuel Leaks 1

ANALYST   JA  

- 1) Eisenberg, Don M., et al, "Guidelines for Addressing Fuel Leaks", California Regional Water Quality Control Board, San Francisco Bay Region, Sept. 1985.

Project # 88-072-4599  
Date Completed 07-07-1988

Reference Methods

Total Extractable Hydrocarbons

	<u>Preparation</u>	<u>Analysis</u>
Water	<u>  </u> EPA 3510 <u>X</u> EPA 3520	<u>X</u> Guidelines for Addressing Fuel Leaks <sup>1</sup>
Soil	<u>  </u> EPA 3540 <u>X</u> EPA 3550	

1) Eisenberg, Don M., et al, "Guidelines for Addressing Fuel Leaks", California Regional Water Quality Control Board, San Francisco Bay Region, Sept. 1985.

ANALYST DEL

