

**ANAMETRIX INC**

Environmental & Analytical Chemistry  
4964 Concourse Drive, Suite E, San Jose, CA 95131  
(408) 432-8192 - Fax (408) 432-8198

**REPORT**

Brenda McNabb  
Environmental Bio-Systems  
30028 Industrial Parkway, S.W.  
Suite C  
Hayward, CA 94544

July 06, 1990  
Anamatrix W.O.#: 9006305  
Date Received : 06/22/90  
Project Number : 010-118

Dear Mr. McNabb:

Your samples have been received for analysis. The REPORT SUMMARY lists your sample identifications and the analytical methods you requested. The following sections are included in this report: RESULTS.

NOTE: Amounts reported are net values, i.e. corrected for method blank contamination.

If there is any more that we can do, please give us a call. Thank you for using ANAMETRIX, INC.

Sincerely,

ANAMETRIX, INC.

Sarah Schoen, Ph.D.  
Laboratory Manager

SRS/dag

*Copy for Mr. D. Burns*

REPORT SUMMARY  
ANAMETRIX, INC. (408) 432-8192

Client : Environmental Bio-Systems  
Address : 30028 Industrial Parkway, S.W.  
Suite C  
City : Hayward, CA 94544  
Attn. : Brenda McNabb

Anamatrix W.O.#: 9006305  
Date Received : 06/22/90  
Purchase Order#: N/A  
Project No. : 010-118  
Date Released : 07/06/90

Anamatrix I.D.	Sample I.D.	Matrix	Date Sampled	Method	Date Extract	Date Analyzed	Inst I.D.
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RESULTS

9006305-01	S1A, B, C, D	SOIL	06/22/90	TPHg		06/29/90	N/A
9006305-02	S2	SOIL	06/22/90	TPHg		06/29/90	N/A
9006305-03	S3	SOIL	06/22/90	TPHg		06/29/90	N/A
9006305-04	S4	SOIL	06/22/90	TPHg		06/30/90	N/A
9006305-05	S5	SOIL	06/22/90	TPHg		06/30/90	N/A
9006305-06	S6	SOIL	06/22/90	TPHg		06/30/90	N/A
9006305-07	S7A, B, C, D	SOIL	06/22/90	TPHg		06/30/90	N/A
9006305-08	S8	SOIL	06/22/90	TPHg		06/30/90	N/A

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS  
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 010-118 S1A,B,C,D  
 Matrix : SOIL  
 Date sampled : 06/22/90  
 Date anl.TPHg: 06/29/90  
 Date ext.TPHd: N/A  
 Date anl.TPHd: N/A

Anamatrix I.D. : 9006305-01  
 Analyst : G U  
 Supervisor : PDA  
 Date released : 07/06/90  
 Date ext. TOG : N/A  
 Date anl. TOG : N/A

CAS #	Compound Name	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
71-43-2	Benzene	0.125	0.22
108-88-3	Toluene	0.125	0.37
100-41-4	Ethylbenzene	0.125	0.38
1330-20-7	Total Xylenes	0.125	1.1
	TPH as Gasoline	2	38

ND - Not detected at or above the practical quantitation limit for the method.

TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.

BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS  
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 010-118 S2  
 Matrix : SOIL  
 Date sampled : 06/22/90  
 Date anl.TPHg: 06/29/90  
 Date ext.TPHd: N/A  
 Date anl.TPHd: N/A

Anamatrix I.D. : 9006305-02  
 Analyst : 6v  
 Supervisor : ADG  
 Date released : 07/06/90  
 Date ext. TOG : N/A  
 Date anl. TOG : N/A

CAS #	Compound Name	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
71-43-2	Benzene	0.5	0.99
108-88-3	Toluene	0.5	12
100-41-4	Ethylbenzene	0.5	9.5
1330-20-7	Total Xylenes	0.5	53
	TPH as Gasoline	10	360

- ND - Not detected at or above the practical quantitation limit for the method.  
 TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.  
 BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

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ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS  
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 010-118 S3  
Matrix : SOIL  
Date sampled : 06/22/90  
Date anl.TPHg: 06/29/90  
Date ext.TPHd: N/A  
Date anl.TPHd: N/A

Anamatrix I.D. : 9006305-03  
Analyst : GV  
Supervisor : CXX  
Date released : 07/06/90  
Date ext. TOG : N/A  
Date anl. TOG : N/A

CAS #	Compound Name	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
71-43-2	Benzene	0.5	1.2
108-88-3	Toluene	0.5	2.5
100-41-4	Ethylbenzene	0.5	2.8
1330-20-7	Total Xylenes	0.5	13
	TPH as Gasoline	10	160

- ND - Not detected at or above the practical quantitation limit for the method.
- TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
- BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

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ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS  
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 010-118 S4  
 Matrix : SOIL  
 Date sampled : 06/22/90  
 Date anl.TPHg: 06/30/90  
 Date ext.TPHd: N/A  
 Date anl.TPHd: N/A

Anamatrix I.D. : 9006305-04  
 Analyst : G.V.  
 Supervisor : D.K.  
 Date released : 07/06/90  
 Date ext. TOG : N/A  
 Date anl. TOG : N/A

CAS #	Compound Name	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
71-43-2	Benzene	0.5	3.3
108-88-3	Toluene	0.5	9.4
100-41-4	Ethylbenzene	0.5	7.6
1330-20-7	Total Xylenes	0.5	32
	TPH as Gasoline	10	210

ND - Not detected at or above the practical quantitation limit for the method.

TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.

BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

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ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS  
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 010-118 S5  
Matrix : SOIL  
Date sampled : 06/22/90  
Date anl.TPHg: 06/30/90  
Date ext.TPHd: N/A  
Date anl.TPHd: N/A

Anamatrix I.D. : 9006305-05  
Analyst : EV  
Supervisor : aa  
Date released : 07/06/90  
Date ext. TOG : N/A  
Date anl. TOG : N/A

CAS #	Compound Name	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
71-43-2	Benzene	1.25	3.2
108-88-3	Toluene	1.25	24
100-41-4	Ethylbenzene	1.25	20
1330-20-7	Total Xylenes	1.25	110
	TPH as Gasoline	25	870

ND - Not detected at or above the practical quantitation limit for the method.

TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.

BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

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ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS  
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 010-118 S6  
 Matrix : SOIL  
 Date sampled : 06/22/90  
 Date anl.TPHg: 06/30/90  
 Date ext.TPHd: N/A  
 Date anl.TPHd: N/A

Anamatrix I.D. : 9006305-06  
 Analyst : G.V.  
 Supervisor : C.D.G.  
 Date released : 07/06/90  
 Date ext. TOG : N/A  
 Date anl. TOG : N/A

CAS #	Compound Name	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
71-43-2	Benzene	2.5	5.0
108-88-3	Toluene	2.5	24
100-41-4	Ethylbenzene	2.5	26
1330-20-7	Total Xylenes	2.5	140
	TPH as Gasoline	50	730

- ND - Not detected at or above the practical quantitation limit for the method.
- TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.
- BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

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ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS  
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 010-118 S7A,B,C,D  
Matrix : SOIL  
Date sampled : 06/22/90  
Date anl.TPHg: 06/30/90  
Date ext.TPHd: N/A  
Date anl.TPHd: N/A

Anamatrix I.D. : 9006305-07  
Analyst : G.V.  
Supervisor : C.C.  
Date released : 07/06/90  
Date ext. TOG : N/A  
Date anl. TOG : N/A

CAS #	Compound Name	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
71-43-2	Benzene	0.5	0.9
108-88-3	Toluene	0.5	1.3
100-41-4	Ethylbenzene	0.5	1.8
1330-20-7	Total Xylenes	0.5	13
	TPH as Gasoline	10	130

- ND - Not detected at or above the practical quantitation limit for the method.  
TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.  
BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

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ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS  
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 010-118 S8  
 Matrix : SOIL  
 Date sampled : 06/22/90  
 Date anl.TPHg: 06/30/90  
 Date ext.TPHd: N/A  
 Date anl.TPHd: N/A

Anamatrix I.D. : 9006305-08  
 Analyst : GV  
 Supervisor : COG  
 Date released : 07/06/90  
 Date ext. TOG : N/A  
 Date anl. TOG : N/A

CAS #	Compound Name	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
71-43-2	Benzene	1.25	3.7
108-88-3	Toluene	1.25	1.4
100-41-4	Ethylbenzene	1.25	7.1
1330-20-7	Total Xylenes	1.25	23
	TPH as Gasoline	25	208

- ND - Not detected at or above the practical quantitation limit for the method.  
 TPHg - Total Petroleum Hydrocarbons as gasoline is determined by GCFID using EPA Method 5030.  
 BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.