

AQUA TERRA TECHNOLOGIES

2950 Buskirk Avenue, Suite 120

Walnut Creek, CA 94596

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FAX TRANSMITTAL FORM

Date: Mar 7, 1991

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ATT Job Number: 9234

Number of Pages: 10
(including cover)

Comments: Said sample results

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ANAMETRIX INC

Environmental & Analytical Chemistry
 1961 Concourse Drive, Suite E, San Jose, CA 95131
 (408) 432-8192 • Fax (408) 432-8198

**REPORT**

TERRY CARTER
 AQUA TERRA TECHNOLOGIES
 2950 BUSKIRK AVENUE, SUITE 120
 WALNUT CREEK, CA 94596

Workorder # : 9102054
 Date Received : 02/06/91
 Project ID : 6207
 Purchase Order: N/A

The following samples were received at Anamatrix, Inc. for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9102054- 1	SC1
9102054- 2	SC2
9102054- 3	SPC

This report consists of 5 pages not including the cover letter, and is organized in sections according to the specific Anamatrix laboratory group or section which performed the analysis(es) and generated the data. The Report Summary that precedes each section will help you determine which Anamatrix group is responsible for those test results, and will bear the signatures of the department supervisor and the chemist who have reviewed the analytical data. Please refer all questions to the department supervisor who signed the form.

Anamatrix is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234. A detailed list of the approved fields of testing can be obtained by calling our office, or the DHS Environmental Laboratory Accreditation Program at (415) 540-2800.

If you have any further questions or comments on this report, please give us a call as soon as possible. Thank you for using Anamatrix.


 Burt Sutherland
 Laboratory Director

2-14-91
 Date

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

TERRY CARTER
AQUA TERRA TECHNOLOGIES
2950 BUSKIRK AVENUE, SUITE 120
WALNUT CREEK, CA 94596

Workorder # : 9102054
Date Received : 02/06/91
Project ID : 6207
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9102054- 1	SC1	SOIL	02/05/91	TPHd
9102054- 2	SC2	SOIL	02/05/91	TPHd
9102054- 3	SPC	SOIL	02/05/91	TPHd
9102054- 1	SC1	SOIL	02/05/91	TPHg/BTEX
9102054- 2	SC2	SOIL	02/05/91	TPHg/BTEX
9102054- 3	SPC	SOIL	02/05/91	TPHg/BTEX

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

TERRY CARTER
AQUA TERRA TECHNOLOGIES
2950 BUSKIRK AVENUE, SUITE 120
WALNUT CREEK, CA 94596

Workorder # : 9102054
Date Received : 02/06/91
Project ID : 6207
Purchase Order: N/A
Department : CC
Sub-Department: TPH

QA/QC SUMMARY :

NO QA/QC problems encountered for samples.

Charles P. Palmer 2/12/91
Department Supervisor Date

Heidi Vogt 2/12/91
Chemist Date

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS
 (GASOLINE WITH BTEX)
 ANAMETRIX, INC. - (408) 432-8192

Anamatrix W.O.: 9102054
 Matrix : SOIL
 Date Sampled : 02/05/91

Project Number : 6207
 Date Released : 02/13/91

COMPOUNDS	Reporting Limit (mg/kg)	Sample I.D.# SC1	Sample I.D.# SC2	Sample I.D.# SPC	Sample I.D.# 08B0211A	Sample I.D.# 08B0212A
		-01	-02	-03	BLANK	BLANK
Benzene	0.005	ND	ND	ND	ND	ND
Toluene	0.005	ND	1.7	ND	ND	ND
Ethylbenzene	0.005	ND	4.2	1.2	ND	ND
Total Xylenes	0.005	0.017	0.7	2.5	ND	ND
TPH as Gasoline	0.5	ND	210	370	ND	ND
Surrogate Recovery		70%	100%	100%	100%	105%
Instrument I.D.		HP8	HP8	HP8	HP8	HP8
Date Analyzed		02/11/91	02/11/91	02/12/91	02/11/91	02/11/91
RMP			250	50	1	1

ND - Not detected at or above the practical quantitation limit for the method.
 TPH - Total Petroleum Hydrocarbons as gasoline is determined by GC/FID using EPA Method 5030.
 BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.
 RMP - Reporting Limit Multiplication Factor.
 Anamatrix Control limits for surrogate recovery are 53-147%.
 All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Andy Vogt
 Analyst *2/14/91*
 Date

[Signature]
Boemer
 Date *2/14/91*

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS DIESEL ANAMETRIX, INC. (408) 432-8192

Anametrix W.O.: 9102054
Matrix : SOIL
Date Sampled : 02/05/91
Date Extracted: 02/07/91

Project Number : 6207
Date released : 02/13/91
Instrument I.D.: HP9

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9102054-01	SC1	02/08/91	10	ND
9102054-02	SC2	02/08/91	50	450
9102054-03	SC3 → spc ?	02/08/91	50	390
DSEL020	METHOD BLANK	02/08/91	10	ND

Note: Reporting limit is obtained by multiplying the dilution factor times 10mg/Kg.
 Not detected at or above the practical quantitation limit for the method.
 Total Petroleum Hydrocarbons as diesel is determined by GC/FID following sample extraction by EPA Method 3550.
 All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.



Howard Vogt 2/13/91
Analyst Date

Cheryl Baerman 2/13/91
Supervisor Date

TOTAL EXTRACTABLE HYDROCARBON MATRIX SPIKE REPORT
 EPA METHOD 3550 WITH GC/FID
 ANAMETRIX, INC. (408) 432-8192

Sample I.D. : N/A
 Matrix : SOTL
 Date sampled : 02/05/91
 Date extracted: 02/07/91
 Date analyzed : 02/08/91

Anamatrix I.D. : 9102052-04
 Analyst : G.V.
 Supervisor : CB
 Date Released : 02/13/91

COMPOUND	SPIKE AMT. (mg/Kg)	MS (mg/Kg)	%REC MS	MSD (mg/Kg)	%REC MSD	RPD	%REC LIMITS
Diesel	83	76	92%	72	87%	-5%	50-130

* Limits established by Anamatrix, Inc.

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

TERRY CARTER
 AQUA TERRA TECHNOLOGIES
 2950 BUSKIRK AVENUE, SUITE 120
 WALNUT CREEK, CA 94596

Workorder # : 9102054
 Date Received : 02/06/91
 Project ID : 6207
 Purchase Order: N/A
 Department : METALS
 Sub-Department: METALS

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9102054- 1	SC1	SOIL	02/05/91	6010
9102054- 2	SC2	SOIL	02/05/91	6010

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

TERRY CARTER
AQUA TERRA TECHNOLOGIES
2950 BUSKIRK AVENUE, SUITE 120
WALNUT CREEK, CA 94596

Workorder # : 9102054
Date Received : 02/06/91
Project ID : 6207
Purchase Order: N/A
Department : METALS
Sub-Department: METALS

QA/QC SUMMARY :

- No QA/QC problems encountered for samples.

Manuel Lopez 2-13-91
Department Supervisor Date

Mona Kamel 2/13/91
Chemist Date

ANALYSIS DATA SHEET - INDIVIDUAL METALS
 ANAMETRIX, INC. - (408) 432-8192

Anametrix W.O.: 9102054
 Matrix : SOIL
 Date Sampled : 02/05/91
 Project Number: 6207

Date Prepared : 02/0791
 Date Analyzed : 02/11/91
 Date Released : 02/13/91
 Instrument I.D.: ICP1

ELEMENTS		Lead (Pb)
EPA METHOD		6010
REPORTING LIMIT		2.0
ANAMETRIX ID	CLIENT ID	(mg/Kg)
9102054-01	SC1	7.1
9102054-02	SC2	6.6
MB0207	METHOD BLANK	ND

7.1 ppm
 6.6
 ND

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

All metals by EPA Method 6010/7000, Test Method for Evaluating Solid Waste, SW-846 3rd Edition November 1986, and California Administrative Code Title 22, Section 66699.

Mona J. Cooper 2-13-91
 Chemist Date

Mona Kamei 2/13/91
 Chemist Date