

Science & Engineering Analysis Corporation

SEACOR

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San Francisco, California 94105-4503
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F A C S I M I L E

Date: 8.2.94

Page 1 of 8

TO: Name BRIAN P. OLIVA, REHS
Title HAZ. MAT. SPEC.
Firm ACHA
FAX No. 510 337.9335
Address _____
City, State Zip _____

FR: SANDRA E. BRUNI
RE: 4331 SAN PABLO AVE., EMERYVILLE

Message:

BRIAN,
THE FOLLOWING TRANSMITTAL CONTAINS THE
CHEMICAL ANALYTICAL RESULTS OF ANALYSES
REQUESTED IN YOUR HAZ. MAT. INSPECTION FORM, DATED
2.20.94, FOR THE 3 SOIL SAMPLES COLLECTED AT
THE ABOVE-REFERENCED LOCATION. SAMPLE NO.
S-1 WAS COLLECTED FROM THE BASE OF THE
EXCAV.; S-2 FROM BENEATH THE FUEL DISPENSER
PUMP ~ 0.5' BSG; & SP-1 FROM IS A STOCKPILE
COMPOSITE. THANK-YOU. SINCERELY, Sandra E. Bruni



Superior Precision Analytical, Inc.

A member of ESSCON Environmental Support Service Consortium

FACSIMILE COVER SHEET

TO: Sandra Bruni

COMPANY: Seacor

FAX#: 882-4406

DATE: 7/26/97

FROM: Cecilia Joaquin

JOB#: 58464 CLIENT PROJECT #: 50100-003-01

TOTAL # OF PAGES:(including cover sheet) 7

COMMENTS:

Thank you for your business. If we can be of further assistance, please don't hesitate to call.

Certified Laboratories



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SEACOR
Attn: SANDRA BRUNI

Project 50100-003-01
Reported 25-July-1994

ANALYSIS FOR GASOLINE, BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENES
by EPA SW-846 Methods 5030/8015M/8020.

Chronology

Laboratory Number 58464

Identification	Sampled	Received	Extracted	Analyzed	Run #	Lab #
S-1	07/20/94	07/20/94	07/22/94	07/22/94		1
SP-1	07/20/94	07/20/94	07/22/94	07/22/94		2
S-2	07/20/94	07/20/94	07/22/94	07/22/94		3



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Project 50100-003-01
Reported 25-July-1994

ANALYSIS FOR GASOLINE, BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENES

Laboratory Number	Sample Identification	Matrix
58464- 1	S-1	Soil
58464- 2	SP-1	Soil
58464- 3	S-2	Soil

RESULTS OF ANALYSIS

Laboratory Number: 58464- 1 58464- 2 58464- 3

Gasoline Range:	1	430	18
Benzene:	ND<.005	0.63	0.028
Toluene:	0.032	6.0	0.16
Ethyl Benzene:	0.034	11	0.040
Total Xylenes:	0.012	1.5	0.099

Concentration: mg/kg mg/kg mg/kg

-- Surrogate % Recoveries --

Trifluorotoluene (SS): 108 MI MI

MI = Matrix interference.



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ANALYSIS FOR GASOLINE, BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENES Quality Assurance and Control Data - Soil

Laboratory Number 58464

Compound	Method		Spike Recovery (%)	Limits (%)	RPD (%)
	Blank (mg/kg)	RL (mg/kg)			
Gasoline Range:	ND<1	1	76/76	55-139	0%
Benzene:	ND<.005	.005	105/105	67-141	0%
Toluene:	ND<.005	.005	97/97	67-141	0%
Ethyl Benzene:	ND<.005	.005	90/90	67-141	0%
Total Xylenes:	ND<.005	.005	95/95	67-141	0%

Definitions:

ND = Not Detected

RPD = Relative Percent Difference

RL = Reporting Limit

mg/kg = Parts per million (ppm)

QC File No. 58464

Cecilia J. Joagued 7/26/94
Senior Chemist
Account Manager



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SEACOR
Attn: SANDRA BRUNI

Project 50100-003-01
Reported 26-July-1994

TOTAL PETROLEUM HYDROCARBONS AS DIESEL BY EPA METHOD 8015M

Chronology

Laboratory Number S8464

Identification	Sampled	Received	Extracted	Analyzed	Run #	Lab #
S-1	07/20/94	07/20/94	07/22/94	07/23/94		1
SP-1	07/20/94	07/20/94	07/22/94	07/25/94		2
S-2	07/20/94	07/20/94	07/22/94	07/25/94		3



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Project 50100-003-01
Reported 26-July-1994

TOTAL PETROLEUM HYDROCARBONS AS DIESEL

Laboratory Number	Sample Identification	Matrix
58464- 1	S-1	Soil
58464- 2	SP-1	Soil
58464- 3	S-2	Soil

RESULTS OF ANALYSIS

Laboratory Number: 58464- 1 58464- 2 58464- 3

Diesel Range:	86	3000	4800
Concentration:	mg/kg	mg/kg	mg/kg



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TOTAL PETROLEUM HYDROCARBONS AS DIESEL Quality Assurance and Control Data - Soil

Laboratory Number 58464

Compound	Method Blank (mg/kg)	RL (mg/kg)	Spike Recovery (%)	Limits (%)	RPD (%)
Diesel Range:	ND<10	10	94/102	50-150	8%

Definitions:

ND = Not Detected
 RPD = Relative Percent Difference
 RL = Reporting Limit
 mg/kg = Parts per million (ppm)
 QC File No. 58464

Cecilia G. Jorgensen 7/26/94
 Senior Chemist
 Account Manager