



North State Environmental
Chemical Waste Disposal • Trucking • Consulting

C E R T I F I C A T E O F A N A L Y S I S

JOB NO: 95-611 DATE SAMPLED: 11-21-95
CLIENT: SEMCO DATE EXTRACTED: 11-27-95
PROJECT NAME: 95-4468 DATE ANALYZED: 11-27-95
 1347 PARK ST-ALAMEDA

BTXE RANGE ORGANICS BY
EPA METHOD 8020/5030 AND 8015 M
DIESEL RANGE HYDROCARBONS BY EPA METHOD 8015 M

Sample No.	Client ID	Analyte	Result
95-611-01	#1 SouthEnd 11'	Benzene	26 ug/Kg
		Toluene	15 ug/Kg
		Ethylbenzene	190 ug/Kg
		Xylenes	3100 ug/Kg
		Diesel	15000 mg/Kg
95-611-02	#2 NorthEnd 11'	Benzene	15 ug/Kg
		Toluene	68 ug/Kg
		Ethylbenzene	250 ug/Kg
		Xylenes	3700 ug/Kg
		Diesel	14000 mg/Kg
95-611-03	#3 Center 14'	Benzene	ND
		Toluene	ND
		Ethylbenzene	ND
		Xylenes	ND
		Diesel	ND
95-611-04	#4 Stockpile	Benzene	ND
		Toluene	ND
		Ethylbenzene	60 ug/Kg
		Xylenes	750 ug/Kg
		Diesel	3600 mg/Kg

Page 1 of 2

John Murphy,

Can I get the chromatograms for sample No.

95-611-01 and 95-611-02. Thanks -



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C E R T I F I C A T E O F A N A L Y S I S

JOB NO: 95-645 DATE SAMPLED: 12-07-95
CLIENT: SEMCO DATE EXTRACTED: 12-11-95
PROJECT NAME: 95-4468 DATE ANALYZED: 12-11-95
1347 PARK ST-ALAMEDA

BTXE RANGE ORGANICS BY
EPA METHOD 8020/5030 AND 8015 M
DIESEL RANGE HYDROCARBONS BY EPA METHOD 8015 M

Sample No.	Client ID	Analyte	Result
95-645-01	#1 North Sidewall 12'	Benzene	75 ug/Kg
		Toluene	1600 ug/Kg
		Ethylbenzene	ND<25 ug/Kg
		Xylenes	7500 ug/Kg
		Diesel	3900 mg/Kg
95-645-02	#2 West Sidewall 12'	Benzene	93 ug/Kg
		Toluene	1800 ug/Kg
		Ethylbenzene	ND<25 ug/Kg
		Xylenes	8000 ug/Kg
		Diesel	2100 mg/Kg
95-645-03	#3 East Sidewall 12'	Benzene	ND
		Toluene	ND
		Ethylbenzene	ND
		Xylenes	20 ug/kg
		Diesel	2 mg/Kg
95-645-04	#4 South Sidewall 12'	Benzene	61 ug/Kg
		Toluene	1100 ug/Kg
		Ethylbenzene	370 ug/Kg
		Xylenes	9100 ug/Kg
		Diesel	8800 mg/Kg



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C E R T I F I C A T E O F A N A L Y S I S

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PROJECT NAME: 95-4468 DATE ANALYZED: 12-11-95
 1347 PARK ST-ALAMEDA

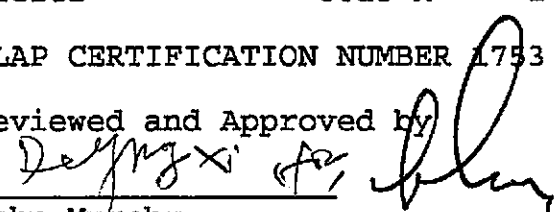
BTXE RANGE ORGANICS BY
EPA METHOD 8020/5030 AND 8015 M
DIESEL RANGE HYDROCARBONS BY EPA METHOD 8015 M

Quality Control Quality Assurance Summary: Soil

Analyte	Method	Reporting limit	Blank	MS/MSD Recovery	RPD
MTBE	8020	5 ug/Kg	ND	AVG 82%	13
Benzene	8020	5 ug/Kg	ND		
Toluene	8020	5 ug/Kg	ND		
Ethylbenzene	8020	5 ug/Kg	ND		
Xylenes	8020	10 ug/Kg	ND		
Diesel	8015 M	1 mg/Kg	ND	AVG 81%	10

ELAP CERTIFICATION NUMBER 1753

Reviewed and Approved by


John Murphy
Laboratory Director



(415) 588-9652

[illegible]



North State Environmental
Chemical Waste Disposal • Trucking • Consulting

C E R T I F I C A T E O F A N A L Y S I S

JOB NO: 95-611 DATE SAMPLED: 11-21-95
CLIENT: SEMCO DATE EXTRACTED: 12-08-95
PROJECT NAME: 95-4468 DATE ANALYZED: 12-11-95
 1347 Park St.
 Alameda

LEAD BY ATOMIC ABSORPTION SPECTROMETRY
SAMPLE PREPARED BY EPA METHOD 3050

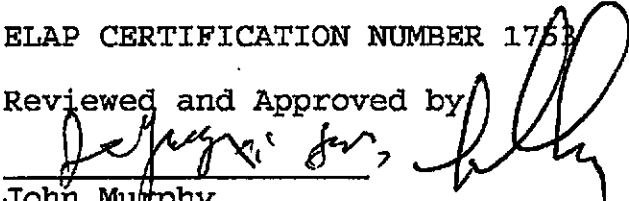
SAMPLE NO.	CLIENT ID	ANALYTE/METHOD	RESULT
95-611-04	#4 Stockpile	Lead 7420	ND

Quality Control Quality Assurance Summary:

Analyte	Method	Reporting limit	Blank	MS/MSD Recovery	RPD
Lead	7420	10.0 mg/Kg	ND	99%	1

ELAP CERTIFICATION NUMBER 1751

Reviewed and Approved by


John Murphy
Laboratory Director



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C E R T I F I C A T E O F A N A L Y S I S

JOB NO: 95-611 DATE SAMPLED: 11-21-95
CLIENT: SEMCO DATE EXTRACTED: 12-07-95
PROJECT NAME: 95-4468 DATE ANALYZED: 12-07-95
 1347 Park St.
 ALAMEDA

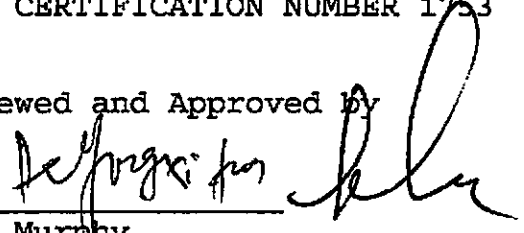
PH OF SOIL WASTES BY METHOD 9045

SAMPLE NO.	CLIENT ID	ANALYTE/METHOD	RESULT
95-611-04	#4 Stockpile	pH 9045	7.91

pH meter was calibrated using 3 buffer solutions from
Spectrum Chemical Co., at pH 4, 7 and 10.

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Reviewed and Approved by



John Murphy
Laboratory Director



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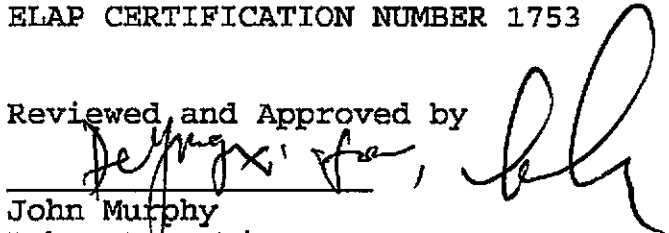
FLASHPOINT BY METHOD 1010 CLOSED CUP PENSKY-MARTENS

SAMPLE NO.	CLIENT ID	ANALYTE/METHOD	RESULT
95-611-04	#4 Stockpile	Flashpoint 1010	> 200 0 F

Flashpoint test was run in duplicate

ELAP CERTIFICATION NUMBER 1753

Reviewed and Approved by


John Murphy
Laboratory Director



Superior

Analytical Laboratory

NORTH STATE ENVIRONMENTAL
90 SOUTH SPRUCE ST. UNIT W
SOUTH SAN FRANCISCO, CA 94053

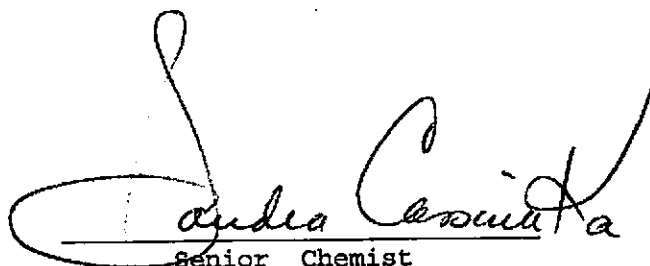
Date: December 5, 1995

Attn: JOHN MURPHY

Laboratory Number : 20541

Project Number/Name : 95-611

This report has been reviewed and
approved for release.


Senior Chemist
Account Manager

Customer Service: (800) 521-6109 • Laboratory: (510) 313-0850 • Facsimile: (510) 229-0916
Post Office Box 2648 • 835 Arnold Drive • Suite #106 • Martinez, California 94553
1555 Burke Street • Suite A • San Francisco, California 94124



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Analytical Laboratory

NORTH STATE ENVIRONMENTAL
Attn: JOHN MURPHY

Project 95-611
Reported on December 5, 1995

Polynuclear Aromatic Hydrocarbons by SW-846 Methods 8310/3550

Chronology

Laboratory Number 20541

Sample ID	Sampled	Received	Extract.	Analyzed	QC Batch	LAB #
SOUTH END 11'	11/21/95	11/27/95	11/29/95	12/03/93	BL031.64	01
NORTH END 11'	11/21/95	11/27/95	11/29/95	12/03/93	BL031.64	02
CENTER 14'	11/21/95	11/27/95	11/29/95	12/03/93	BL031.64	03
COMP STOCKPILE	11/21/95	11/27/95	11/29/95	12/03/93	BL031.64	04

QC Samples

QC Batch #	QC Sample ID	TypeRef.	Matrix	Extract.	Analyzed
BL031.64-01	Method Blank	MB	Soil	11/29/95	12/03/95
BL031.64-02	Laboratory Spike	LS	Soil	11/29/95	12/03/95
BL031.64-03	Laboratory Spike Duplicate	LSD	Soil	11/29/95	12/03/95
BL031.64-04	SOUTH END 11'	MS 20541-01	Soil	11/29/95	12/03/95
BL031.64-05	SOUTH END 11'	MSD 20541-01	Soil	11/29/95	12/03/95



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Polynuclear Aromatic Hydrocarbons by SW-846 Methods 8310/3550

Quality Assurance and Control Data

Laboratory Number: 20541

Method Blank(s)

BL031.64-01

Conc. RL

ug/Kg

Naphthalene	ND	200
Acenaphthylene	ND	200
Acenaphthene	ND	200
Fluoranthene	ND	10
Phenanthrene	ND	50
Anthracene	ND	50
Fluorene	ND	20
Pyrene	ND	10
Chrysene	ND	10
Benzo (a) Anthracene	ND	10
Benzo (b) Fluoranthene	ND	5
Benzo (k) Fluoranthene	ND	5
Benzo (a) Pyrene	ND	5
Indeno (1,2,3) Pyrene	ND	10
Dibenzo (a,h) Anthracene	ND	10
Benzo (g,h,i) Perylene	ND	10

>> Surrogate Recoveries (%) <<

1-Fluoronaphthene 91



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NORTH STATE ENVIRONMENTAL
Attn: JOHN MURPHY

Project 95-611
Reported on December 5, 1995

Polynuclear Aromatic Hydrocarbons by SW-846 Methods 8310/3550

LAB ID	Sample ID	Matrix	Dil.Factor	Moisture
20541-01	SOUTH END 11'	Soil	5000.0	-
20541-02	NORTH END 11'	Soil	5000.0	-
20541-03	CENTER 14'	Soil	2.0	-
20541-04	COMP STOCKPILE	Soil	5000.0	-

R E S U L T S O F A N A L Y S I S

Compound	20541-01		20541-02		20541-03		20541-04	
	Conc.	RL	Conc.	RL	Conc.	RL	Conc.	RL
	ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Naphthalene	NDPT	1000000	NDPT	1000000	ND	200	NDPT	1000000
Acenaphthylene	ND	1000000	ND	1000000	ND	200	ND	1000000
Acenaphthene	ND	1000000	ND	1000000	ND	200	ND	1000000
Fluoranthene	ND	50000	ND	50000	ND	10	ND	50000
Phenanthrene	ND	250000	ND	250000	ND	50	ND	250000
Anthracene	ND	250000	ND	250000	ND	50	ND	250000
Fluorene	ND	100000	ND	100000	ND	20	ND	100000
Pyrene	ND	50000	ND	50000	ND	10	ND	50000
Chrysene	ND	50000	ND	50000	ND	10	ND	50000
Benzo (a) Anthracene	ND	50000	ND	50000	ND	10	ND	50000
Benzo (b) Fluoranthene	ND	25000	ND	25000	ND	6	ND	25000
Benzo (k) Fluoranthene	ND	25000	ND	25000	ND	6	ND	25000
Benzo (a) Pyrene	ND	25000	ND	25000	ND	6	ND	25000
Indeno (1,2,3) Pyrene	ND	50000	ND	50000	ND	10	ND	50000
Dibenzo (a,h) Anthracene	ND	50000	ND	50000	ND	10	ND	50000
Benzo (g,h,i) Perylene	ND	50000	ND	50000	ND	10	ND	50000

>> Surrogate Recoveries (%) <<

1-Fluoronaphthene	NDBB	NDBB	59	NDBB
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Polynuclear Aromatic Hydrocarbons by SW-846 Methods 8310/3550

Quality Assurance and Control Data

Laboratory Number: 20541

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
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For Soil Matrix (ug/Kg)

BL031.64 02 / 03 - Laboratory Control Spikes

Naphthalene	670	690/700	103/104	70-130	1
Acenaphthylene	670	580/580	87/87	70-130	0
Acenaphthene	670	580/640	87/96	70-130	10
Phenanthrene	670	650/700	97/104	70-130	7
Anthracene	670	600/640	90/96	70-130	6
Fluorene	670	620/670	93/100	70-130	7
Benzo (k) Fluoranthene	670	620/690	93/103	70-130	10

>> Surrogate Recoveries (%) <<

1-Fluoronaphthene

86/86 -

For Soil Matrix (ug/Kg)

BL031.64 04 / 05 - Sample Spiked: 20541 - 01

Naphthalene	ND	670	ND@/ND@	BB/BB	70-130	****
Acenaphthylene	ND	670	ND/ND	/	70-130	****
Acenaphthene	ND	670	ND/ND	/	70-130	****
Phenanthrene	ND	670	ND/ND	/	70-130	****
Anthracene	ND	670	ND/ND	/	70-130	****
Fluorene	ND	670	ND/ND	/	70-130	****
Benzo (k) Fluoranthene	ND	670	ND/ND	/	70-130	****

>> Surrogate Recoveries (%) <<

1-Fluoronaphthene

/ -



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Narrative:

@ - Spike concentrations diluted due to matrix inteference.

PT - Sample is saturated with petroleum hydrocarbons. Sample detection limits raised due to matrix interference. Alumina column clean-up was performed on the sample.

BB - Surrogate was diluted out.

Definitions:

ND = Not Detected

RL = Reporting Limit

NA = Not Analysed

RPD = Relative Percent Difference

ug/L = parts per billion (ppb)

mg/L = parts per million (ppm)

ug/kg = parts per billion (ppb)

mg/kg = parts per million (ppm)



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1347 PARK ST-ALAMEDA

BTXE RANGE ORGANICS BY
EPA METHOD 8020/5030 AND 8015 M
DIESEL RANGE HYDROCARBONS BY EPA METHOD 8015 M

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		Toluene	15 ug/Kg
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		Toluene	ND
		Ethylbenzene	ND
		Xylenes	ND
		Diesel	ND
95-611-04	#4 Stockpile	Benzene	ND
		Toluene	ND
		Ethylbenzene	60 ug/Kg
		Xylenes	750 ug/Kg
		Diesel	3600 mg/Kg

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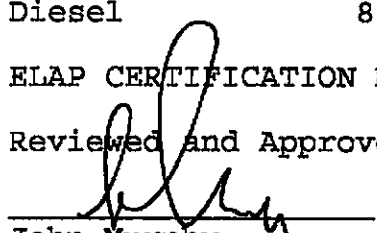
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DIESEL RANGE HYDROCARBONS BY EPA METHOD 8015 M

Quality Control Quality Assurance Summary: Soil

Analyte	Method	Reporting limit		Blank	MS/MSD Recovery	RPD
MTBE	8020	5	ug/Kg	ND	AVG 101%	1
Benzene	8020	5	ug/Kg	ND		
Toluene	8020	5	ug/Kg	ND		
Ethylbenzene	8020	5	ug/Kg	ND		
Xylenes	8020	10	ug/Kg	ND		
Diesel	8015 M	1	mg/Kg	ND	AVG 92%	14

ELAP CERTIFICATION NUMBER 1753

Reviewed and Approved by


John Murphy
Laboratory Director

650/ 266-4582

266-4563 Lab
Page 2 of 2



North State Environmental Analytical Laboratory

Chain of Custody/Request for Analysis

95-6#1

(415) 588-9652

Client: SEMCO		Phone: (209) 524 9653		Report to: DOUG FLEMING		Turnaround Time						
Mailing Address: SEMCO 1217 S. 7 th ST MODESTO, CA. 95351				Billing to: SEMCO - MODESTO		8 Hr	24 Hr					
Site Address: 1347 PARK ST - ALAMEDA				PO # / Billing Reference:		40 Hr	5 Days					
Sampler: RANDY MC MANUS		Date: 11-21-95		95-4468		Other						
Sample ID:	Sample Description	Container # / type	Sampling Time/Date	ANALYSIS REQUESTED								Remarks
				TPH-D	TPH-G	BTEX	O+G	PNA	PCE	LEAD		
#1	SOUTH END 11'	1 TUBE	11-21	X		X		X				
#2	NORTH END 11'	1 TUBE	f	X		X		X				
#3	CENTER 14'	1 TUBE	f	X		X		X				
#4	STOCKPILE	1	f	X		X		X				
#5	f	1	f	X		X		X				
#6	f	1	f	X		X		X				
#7	f	1	f	X		X		X				
Relinquished by: Randy McManus		Date: 11-22-95 Time: 10:24 AM		Received by: [Signature]		SOIL		Yes	No			
Relinquished by:		Date: Time:		Received by:		Were samples Preserved ?			✓			
Relinquished by:		Date: Time:		Received in lab by:		In good condition ?			✓			