

SEMCO

1741 Leslie Street
San Mateo, CA 94402
ALCO HAZMAT

ALCO
HAZMAT

94 APR 15 PM 2:14

94 APR 15 PM 2:14

TO:

Alameda County - Enviro Health

80 Swan Way Room 200

Oakland CA 94621

ATTN:

Juliet Shin

PLEASE FIND ENCLOSED THE SOIL ANALYSIS FOR:

3000 MacArthur Blvd

Oakland, CA

A FINAL REPORT CONTAINING MANIFEST(S) AND SAMPLE LOCATIONS WILL BE FORWARDED TO YOU AFTER COMPILATION OF ALL RECEIPTS, DOCUMENTS AND PERMITS PERTAINING TO THIS TANK REMOVAL.

SAMPLE MAP INCLUDED

SINCERELY,

Adhence



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

Gasoline, Benzene, Toluene, Ethylbenzene and Xylenes by
EPA Method 8020/5030 and 8015 M
TPH (Oil and Grease) by Method 5520 F
Diesel Range Hydrocarbons by Method 8015 M

Job No: 94-354 Date Sampled: 03/31/94
Client: Semco Date Extracted: 04/01/94
Project: 94-3571 Wannetta Hall Date Analyzed: 04/05/94

Quality Control Quality Assurance Summary: Soil

Analyte	Method	Reporting Limit	Blank	MS/MSD Recovery	RPD
Benzene	8020	5 ug/Kg	ND	BTEX AVG	94% <4%
Toluene	8020	5 ug/Kg	ND		
Ethylbenzene	8020	5 ug/Kg	ND		
Xylenes	8020	10 ug/Kg	ND		
Gasoline	8015/5030	0.5 mg/Kg	ND	AVG	99% <7%
Diesel	8015 M	10 mg/Kg	ND		94% 9%
TPH (O&G)	5520 F	50 mg/Kg	ND		100% 3%

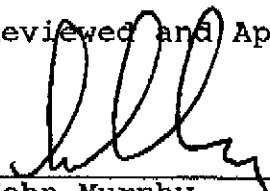
* Does not match typical gasoline pattern.

Quality Control Quality Assurance Summary: Water

Analyte	Method	Reporting Limit	Blank	MS/MSD Recovery	RPD
Benzene	8020	0.5 ug/L	ND	BTEX AVG	94% <4%
Toluene	8020	0.5 ug/L	ND		
Ethylbenzene	8020	0.5 ug/L	ND		
Xylenes	8020	1.0 ug/L	ND		
Gasoline	8015/5030	50 ug/L	ND	AVG	99% <7%
Diesel	8015 M	50 ug/L	ND		94% 9%
TPH (O&G)	5520 F	5 mg/L	ND		100% 3%

DOHS Certificate No: 1753

Reviewed and Approved


John Murphy
Laboratory Director



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

Lead By Atomic Absorption Spectrometry

Samples prepared by Method 3050

Job No: 94-354 Date Sampled: 03/31/94
Client: SEMCO Date Received: 04/08/94
Project No: 94-3571 Wannetta Hall Date Analysed: 04/11/94

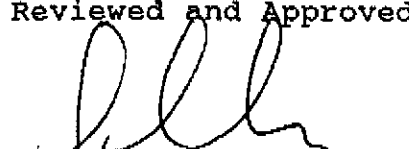
<u>Sample No.</u>	<u>Client ID</u>	<u>Analyte/Method</u>	<u>Result</u>
94-354-04	#4 East Wall 7'	Lead 7420	ND
94-354-05	#5 Gas Tank H ₂ O Pit	Lead 7420	ND
94-354-06	#6 North Wall 2'	Lead 7420	ND
94-354-07	#7 South Wall 7'	Lead 7420	ND
94-354-08	#8 West Hall 7'	Lead 7420	ND
94-354-09	#9 Gas Comp Spoils	Lead 7420	ND

Quality Control Quality Assurance Summary:

Analyte	Reporting Method	Limit	Blank	Average Spike Recovery	RPD
Lead	7420	1.0 mg/L	ND	101%	6%

DOHS Certificate #1753

Reviewed and Approved



John Murphy
Laboratory Director



Superior Precision Analytical, Inc.

1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

SEMCO
Attn: CHUCK KIPER

Hall
Project 94-3571
Reported 13-April-1994

HALOGENATED VOLATILE ORGANICS by EPA SW-846 Methods 5030/8010.

Chronology

Laboratory Number 57903

Identification	Sampled	Received	Extracted	Analyzed	Run #	Lab #
#1 PIT H2O	03/31/94	04/06/94	/ /	04/11/94		1
#2 WATER-INTERFA	03/31/94	04/06/94	/ /	04/11/94		2
#3 COMP SPOILS	03/31/94	04/06/94	/ /	04/11/94		3



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SEMCO
Attn: CHUCK KIPER

Project 94-3571
Reported 13-April-1994

HALOGENATED VOLATILE ORGANICS by EPA SW-846 Methods 5030/8010.

Laboratory Number	Sample Identification	Matrix
57903- 1	#1 PIT H2O	Water
57903- 2	#2 WATER-INTERFACE 5'	Soil
57903- 3	#3 COMP SPOILS	Soil

RESULTS OF ANALYSIS

Laboratory Number: 57903- 1 57903- 2 57903- 3

Chloromethane:	ND<0.5	ND<5	ND<5
Vinyl Chloride:	ND<0.5	ND<5	ND<5
Bromomethane:	ND<0.5	ND<5	ND<5
Chloroethane:	ND<0.5	ND<5	ND<5
Trichlorofluoromethane:	ND<0.5	ND<5	ND<5
1,1-Dichloroethene:	ND<0.5	ND<5	ND<5
Dichloromethane:	ND<1.0	ND<10	ND<10
t-1,2-Dichloroethene:	ND<0.5	ND<5	ND<5
1,1-Dichloroethane:	ND<0.5	ND<5	ND<5
c-1,2-Dichloroethene:	ND<0.5	ND<5	ND<5
Chloroform:	ND<0.5	ND<5	ND<5
1,1,1-Trichloroethane:	ND<0.5	ND<5	ND<5
Carbon tetrachloride:	ND<0.5	ND<5	ND<5
1,2-Dichloroethane:	ND<0.5	ND<5	ND<5
Trichloroethene:	ND<0.5	ND<5	ND<5
c-1,3-Dichloropropene:	ND<0.5	ND<5	ND<5
1,2-Dichloropropane:	ND<0.5	ND<5	ND<5
t-1,3-Dichloropropene:	ND<0.5	ND<5	ND<5
Bromodichloromethane:	ND<0.5	ND<5	ND<5
1,1,2-Trichloroethane:	ND<0.5	ND<5	ND<5
Tetrachloroethene:	ND<0.5	ND<5	ND<5
Dibromochloromethane:	ND<0.5	ND<5	ND<5
Chlorobenzene:	ND<0.5	ND<5	ND<5
Bromoform:	ND<0.5	ND<5	ND<5
1,1,2,2-Tetrachloroeth:	ND<0.5	ND<5	ND<5
1,3-Dichlorobenzene:	ND<0.5	ND<5	ND<5
1,2-Dichlorobenzene:	ND<0.5	ND<5	ND<5
1,4-Dichlorobenzene:	ND<0.5	ND<5	ND<5
Concentration:	ug/L	ug/Kg	ug/Kg



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HALOGENATED VOLATILE ORGANICS by EPA SW-846 Methods 5030/8010.
Quality Assurance and Control Data - Water

Laboratory Number 57903

Compound	Method Blank (ug/L)	RL (ug/L)	Spike Recovery (%)	Limits (%)	RPD (%)
Chloromethane:	ND<0.5	0.5			
Vinyl Chloride:	ND<0.5	0.5			
Bromomethane:	ND<0.5	0.5			
Chloroethane:	ND<0.5	0.5			
Trichlorofluoromethane:	ND<0.5	0.5			
1,1-Dichloroethene:	ND<0.5	0.5	79/80	48-180	1%
Dichloromethane:	ND<1.0	1.0			
t-1,2-Dichloroethene:	ND<0.5	0.5			
1,1-Dichloroethane:	ND<0.5	0.5			
c-1,2-Dichloroethene:	ND<0.5	0.5			
Chloroform:	ND<0.5	0.5			
1,1,1-Trichloroethane:	ND<0.5	0.5			
Carbon tetrachloride:	ND<0.5	0.5			
1,2-Dichloroethane:	ND<0.5	0.5			
Trichloroethene:	ND<0.5	0.5	75/77	71-138	3%
c-1,3-Dichloropropene:	ND<0.5	0.5			
1,2-Dichloropropane:	ND<0.5	0.5			
t-1,3-Dichloropropene:	ND<0.5	0.5			
Bromodichloromethane:	ND<0.5	0.5			
1,1,2-Trichloroethane:	ND<0.5	0.5			
Tetrachloroethene:	ND<0.5	0.5			
Dibromochloromethane:	ND<0.5	0.5			
Chlorobenzene:	ND<0.5	0.5	95/87	79-134	9%
Bromoform:	ND<0.5	0.5			
1,1,2,2-Tetrachloroeth:	ND<0.5	0.5			
1,3-Dichlorobenzene:	ND<0.5	0.5			
1,2-Dichlorobenzene:	ND<0.5	0.5			
1,4-Dichlorobenzene:	ND<0.5	0.5			

Definitions:

ND = Not Detected

RPD = Relative Percent Difference

RL = Reporting Limit

ug/L = Parts per billion (ppb)

QC File No. 57903



Superior Precision Analytical, Inc.

P.O. Box 1545 • Martinez, California 94553 • (510) 229-1590 / fax (510) 229-0916

SEMCO
Attn: CHUCK KIPER

Project 94-3571
Reported 12-April-1994

ANALYSIS FOR CADMIUM, CHROMIUM, LEAD, NICKEL, & ZINC
by EPA Method SW-846 6010

Chronology

Laboratory Number 57903

Identification	Sampled	Received	Extracted	Analyzed	Run #	Lab #
#1 PIT H2O	03/31/94	04/06/94	04/11/94	04/11/94		1
#2 WATER-INTERFA	03/31/94	04/06/94	04/11/94	04/11/94		2
#3 COMP SPOILS	03/31/94	04/06/94	04/11/94	04/11/94		3



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SEMCO
Attn: CHUCK KIPER

Project 94-3571
Reported 12-April-1994

ANALYSIS FOR CADMIUM, CHROMIUM, LEAD, NICKEL, & ZINC

Laboratory Number	Sample Identification	Matrix
57903- 1	#1 PIT H2O	Water
57903- 2	#2 WATER-INTERFACE 5'	Soil
57903- 3	#3 COMP SPOILS	Soil

RESULTS OF ANALYSIS

Laboratory Number: 57903- 1 57903- 2 57903- 3

Cadmium	(Cd):	ND<0.01	ND<0.5	ND<0.5
Chromium	(Cr):	ND<0.02	57	61
Lead	(Pb):	ND<0.1	ND<5	31
Nickel	(Ni):	0.02	76	69
Zinc	(Zn):	0.81	93	97
Concentration:		mg/L	mg/Kg	mg/Kg

ANALYSIS FOR CADMIUM, CHROMIUM, LEAD, NICKEL, & ZINC
Quality Assurance and Control Data - Water

Laboratory Number 57903

Compound		Method		Spike Recovery (%)	Limits (%)	RPD (%)
		Blank (mg/L)	RL (mg/L)			
Cadmium	(Cd):	ND<0.01	0.01	99/99	75-125	0%
Chromium	(Cr):	ND<0.02	0.02	92/92	75-125	0%
Lead	(Pb):	ND<0.1	0.1	95/97	75-125	2%
Nickel	(Ni):	ND<0.02	0.02	96/97	75-125	1%
Zinc	(Zn):	ND<0.02	0.02	100/100	75-125	0%

Definitions:

ND = Not Detected

RPD = Relative Percent Difference

RL = Reporting Limit

mg/L = Parts per million (ppm)

QC File No. 57903




ANALYSIS FOR CADMIUM, CHROMIUM, LEAD, NICKEL, & ZINC
Quality Assurance and Control Data - Soil

Laboratory Number 57903

Compound		Method		Spike Recovery (%)	Limits (%)	RPD (%)
		Blank (mg/Kg)	RL (mg/Kg)			
Cadmium	(Cd):	ND<0.5	0.5	95/91	75-125	4%
Chromium	(Cr):	ND<5	5	93/92	75-125	1%
Lead	(Pb):	ND<5	5	97/91	75-125	6%
Nickel	(Ni):	ND<5	5	97/94	75-125	3%
Zinc	(Zn):	ND<5	5	96/94	75-125	2%

Definitions:

ND = Not Detected
 RPD = Relative Percent Difference
 RL = Reporting Limit
 mg/Kg = Parts per million (ppm)
 QC File No. 57903


 Senior Chemist
 Account Manager



Superior Precision Analytical, Inc.

1555 Burke, Unit 1 • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

SEMCO
Attn: TERRY HAMILTON

HALL
Project 94-3571
Reported 08-April-1994

EPA SW-846 METHOD 8270 SEMIVOLATILE ORGANICS BY GC/MS

Chronology

Laboratory Number 57903

Identification	Sampled	Received	Extracted	Analyzed	Run #	Lab #
#1 PIT H2O	03/31/94	04/06/94	04/07/94	04/08/94		1
#2 WATER INTERFACE	03/31/94	04/06/94	04/06/94	04/08/94		2
#3 COMP SPOILS	03/31/94	04/06/94	04/06/94	04/08/94		3



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Project 94-3571
Reported 08-April-1994

EPA SW-846 METHOD 8270 SEMIVOLATILE ORGANICS BY GC/MS

Laboratory Number	Sample Identification	Matrix
57903- 1	#1 PIT H2O	Water
57903- 2	#2 WATER INTERFACE-5'	Soil
57903- 3	#3 COMP SPOILS	Soil

RESULTS OF ANALYSIS

Laboratory Number: 57903- 1 57903- 2 57903- 3

bis(2-chloroethyl) ether:	ND<20	ND<330	ND<330
aniline:	ND<20	ND<330	ND<330
phenol:	ND<20	ND<330	ND<330
2-chlorophenol:	ND<20	ND<330	ND<330
1,3-dichlorobenzene:	ND<20	ND<330	ND<330
1,4-dichlorobenzene:	ND<20	ND<330	ND<330
1,2-dichlorobenzene:	ND<20	ND<330	ND<330
benzyl alcohol:	ND<20	ND<330	ND<330
bis-(2-chloroisopropyl) ether:	ND<20	ND<330	ND<330
2-methylphenol:	ND<20	ND<330	ND<330
hexachloroethane:	ND<20	ND<330	ND<330
n-nitroso-di-n-propylamine:	ND<20	ND<330	ND<330
4-methylphenol:	ND<20	ND<330	ND<330
nitrobenzene:	ND<20	ND<330	ND<330
isophorone:	ND<20	ND<330	ND<330
2-nitrophenol:	ND<20	ND<330	ND<330
2,4-dimethylphenol:	ND<20	ND<330	ND<330
bis(2-chloroethoxy) methane:	ND<20	ND<330	ND<330
2,4-dichlorophenol:	ND<20	ND<330	ND<330
1,2,4-trichlorobenzene:	ND<20	ND<330	ND<330
naphthalene:	ND<20	ND<330	ND<330
benzoic acid:	ND<20	ND<330	ND<330
4-chloroaniline:	ND<20	ND<330	ND<330
hexachlorobutadiene:	ND<20	ND<330	ND<330
4-chloro-3-methylphenol:	ND<20	ND<330	ND<330
2-methyl-naphthalene:	ND<20	ND<330	ND<330
hexachlorocyclopentadiene:	ND<20	ND<330	ND<330
2,4,6-trichlorophenol:	ND<20	ND<330	ND<330
2,4,5-trichlorophenol:	ND<50	ND<800	ND<800
Concentration:	ug/L	ug/kg	ug/kg



Superior Precision Analytical, Inc.

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SEMCO
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Project 94-3571
Reported 08-April-1994

EPA SW-846 METHOD 8270 SEMIVOLATILE ORGANICS BY GC/MS

Laboratory Number	Sample Identification	Matrix
57903- 1	#1 PIT H2O	Water
57903- 2	#2 WATER INTERFACE-5'	Soil
57903- 3	#3 COMP SPOILS	Soil

RESULTS OF ANALYSIS

Laboratory Number: 57903- 1 57903- 2 57903- 3

2-chloronaphthalene:	ND<20	ND<330	ND<330
2-nitroaniline:	ND<50	ND<800	ND<800
acenaphthylene:	ND<20	ND<330	ND<330
dimethylphthlate:	ND<20	ND<330	ND<330
2,6-dinitrotoluene:	ND<20	ND<330	ND<330
acenaphthene:	ND<20	ND<330	ND<330
3-nitroaniline:	ND<50	ND<800	ND<800
2,4-dinitrophenol:	ND<50	ND<800	ND<800
dibenzofuran:	ND<20	ND<330	ND<330
2,4-dinitrotoluene:	ND<20	ND<330	ND<330
4-nitrophenol:	ND<50	ND<800	ND<800
fluorene:	ND<20	ND<330	ND<330
4-chlorophenyl-phenyle:	ND<20	ND<330	ND<330
diethylphthlate:	ND<20	ND<330	ND<330
4-nitroaniline:	ND<50	ND<800	ND<800
4,6-dinitro-2-methylph:	ND<50	ND<800	ND<800
n-nitrosodiphenylamine:	ND<20	ND<330	ND<330
4-bromo-phenyl-phenyle:	ND<20	ND<330	ND<330
hexachlorobenzene:	ND<20	ND<330	ND<330
pentachlorophenol:	ND<50	ND<800	ND<800
phenanthrene:	ND<20	ND<330	ND<330
anthracene:	ND<20	ND<330	ND<330
di-n-butylphthlate:	ND<20	ND<330	ND<330
fluoranthene:	ND<20	ND<330	ND<330
benzidine:	ND<100	ND<1700	ND<1700
pyrene:	ND<20	ND<330	ND<330
butylbenzylphthlate:	ND<20	ND<330	ND<330
3,3'-dichlorobenzidine:	ND<20	ND<660	ND<660
benzo[a]anthracene:	ND<20	ND<330	ND<330
Concentration:	ug/L	ug/kg	ug/kg



Superior Precision Analytical, Inc.

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SEMCO
Attn: TERRY HAMILTON

Project 94-3571
Reported 08-April-1994

EPA SW-846 METHOD 8270 SEMIVOLATILE ORGANICS BY GC/MS

Laboratory Number	Sample Identification	Matrix
57903- 1	#1 PIT H2O	Water
57903- 2	#2 WATER INTERFACE-5'	Soil
57903- 3	#3 COMP SPOILS	Soil

RESULTS OF ANALYSIS

Laboratory Number: 57903- 1 57903- 2 57903- 3

chrysene:	ND<20	ND<330	ND<330
bis(2-ethylhexyl)phtha:	ND<20	ND<330	ND<330
di-n-octylphthalate:	ND<20	ND<330	ND<330
benzo(b,k)fluoranthene:	ND<20	ND<330	ND<330
benzo[a]pyrene:	ND<20	ND<330	ND<330
indeno[1,2,3-cd]pyrene:	ND<20	ND<330	ND<330
dibenzo[a,h]anthracene:	ND<20	ND<330	ND<330
benzo[g,h,i]perylene:	ND<20	ND<330	ND<330

Concentration:	ug/L	ug/kg	ug/kg
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-- Surrogate % Recoveries --

2-fluorophenol:	66	64	63
phenol-d5:	62	73	73
nitrobenzene-d5:	97	68	80
2-fluorobiphenyl:	111	83	91
2,4,6-tribromophenol:	105	72	80
terphenyl-d14:	83	66	81



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EPA SW-846 METHOD 8270 SEMIVOLATILE ORGANICS BY GC/MS
Quality Assurance and Control Data - Water

Laboratory Number 57903

Compound	Method Blank (ug/L)	RL (ug/L)	Spike Recovery (%)	Limits (%)	RPD (%)
bis(2-chloroethyl)eth:	ND<10	10			
aniline:	ND<10	10			
phenol:	ND<10	10	46/47	12-80	2%
2-chlorophenol:	ND<10	10	76/77	54-111	1%
1,3-dichlorobenzene:	ND<10	10			
1,4-dichlorobenzene:	ND<10	10	84/86	36-139	2%
1,2-dichlorobenzene:	ND<10	10			
benzyl alcohol:	ND<10	10			
bis-(2-chloroisopropyl):	ND<10	10			
2-methylphenol:	ND<10	10			
hexachloroethane:	ND<10	10			
n-nitroso-di-n-propyla:	ND<10	10	76/80	41-161	5%
4-methylphenol:	ND<10	10			
nitrobenzene:	ND<10	10			
isophorone:	ND<10	10			
2-nitrophenol:	ND<10	10			
2,4-dimethylphenol:	ND<10	10			
bis(2-chloroethoxy)met:	ND<10	10			
2,4-dichlorophenol:	ND<10	10			
1,2,4-trichlorobenzene:	ND<10	10	92/95	39-134	3%
naphthalene:	ND<10	10			
benzoic acid:	ND<10	10			
4-chloroaniline:	ND<10	10			
hexachlorobutadiene:	ND<10	10			
4-chloro-3-methylpheno:	ND<10	10	77/77	51-105	0%
2-methyl-naphthalene:	ND<10	10			
hexaclorocyclopentadie:	ND<10	10			
2,4,6-trichlorophenol:	ND<10	10			
2,4,5-trichlorophenol:	ND<25	25			



Superior Precision Analytical, Inc.

1555 Burke, Unit I • San Francisco, California 94124 • (415) 617-2081 / fax (415) 821-7123

EPA SW-846 METHOD 8270 SEMIVOLATILE ORGANICS BY GC/MS Quality Assurance and Control Data - Water

Laboratory Number 57903

Compound	Method Blank (ug/L)	RL (ug/L)	Spike Recovery (%)	Limits (%)	RPD (%)
2-chloronaphthalene:	ND<10	10			
2-nitroaniline:	ND<25	25			
acenaphthylene:	ND<10	10			
dimethylphthlate:	ND<10	10			
2,6-dinitrotoluene:	ND<10	10			
acenaphthene:	ND<10	10	94/92	46-137	2%
3-nitroaniline:	ND<25	25			
2,4-dinitrophenol:	ND<25	25			
dibenzofuran:	ND<10	10			
2,4-dinitrotoluene:	ND<10	10	77/75	24-119	3%
4-nitrophenol:	ND<25	25	30/27	10-83	11%
fluorene:	ND<10	10			
4-chlorophenyl-phenyle:	ND<10	10			
diethylphthlate:	ND<10	10			
4-nitroaniline:	ND<25	25			
4,6-dinitro-2-methylph:	ND<25	25			
n-nitrosodiphenylamine:	ND<10	10			
4-bromo-phenyl-phenyle:	ND<10	10			
hexachlorobenzene:	ND<10	10			
pentachlorophenol:	ND<25	25	69/70	9-139	1%
phenanthrene:	ND<10	10			
anthracene:	ND<10	10			
di-n-butylphthlate:	ND<10	10			
fluoranthene:	ND<10	10			
benzidine:	ND<50	50			
pyrene:	ND<10	10	90/91	29-157	1%
butylbenzylphthlate:	ND<10	10			
3,3'-dichlorobenzidine:	ND<10	10			
benzo[a]anthracene:	ND<10	10			



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EPA SW-846 METHOD 8270 SEMIVOLATILE ORGANICS BY GC/MS
Quality Assurance and Control Data - Water

Laboratory Number 57903

Compound	Method Blank (ug/L)	RL (ug/L)	Spike Recovery (%)	Limits (%)	RPD (%)
chrysene:	ND<10	10			
bis(2-ethylhexyl)phtha:	ND<10	10			
di-n-octylphthalate:	ND<10	10			
benzo(b,k)fluoranthene:	ND<10	10			
benzo[a]pyrene:	ND<10	10			
indeno[1,2,3-cd]pyrene:	ND<10	10			
dibenzo[a,h]anthracene:	ND<10	10			
benzo[g,h,i]perylene:	ND<10	10			
2-fluorophenol:	68			21-110	
phenol-d5:	58			10-110	
nitrobenzene-d5:	66			35-114	
2-fluorobiphenyl:	78			43-116	
2,4,6-tribromophenol:	84			10-123	
terphenyl-d14:	75			33-141	

Definitions:

ND = Not Detected

RPD = Relative Percent Difference

RL = Reporting Limit

ug/L = Parts per billion (ppb)

QC File No. 57903



Superior Precision Analytical, Inc.

1555 Burke, Unit 1 • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

EPA SW-846 METHOD 8270 SEMIVOLATILE ORGANICS BY GC/MS
Quality Assurance and Control Data - Soil

Laboratory Number 57903

Compound	Method Blank (ug/kg)	RL (ug/kg)	Spike Recovery (%)	Limits (%)	RPD (%)
bis(2-chloroethyl) ethe:	ND<330	330			
aniline:	ND<330	330			
phenol:	ND<330	330	78/82	55-105	5%
2-chlorophenol:	ND<330	330	76/81	60-111	6%
1,3-dichlorobenzene:	ND<330	330			
1,4-dichlorobenzene:	ND<330	330	77/81	52-116	5%
1,2-dichlorobenzene:	ND<330	330			
benzyl alcohol:	ND<330	330			
bis-(2-chloroisopropyl):	ND<330	330			
2-methylphenol:	ND<330	330			
hexachloroethane:	ND<330	330			
4-nitroso-di-n-propyla:	ND<330	330	86/91	59-130	6%
2-methylphenol:	ND<330	330			
nitrobenzene:	ND<330	330			
sophorone:	ND<330	330			
2-nitrophenol:	ND<330	330			
1,4-dimethylphenol:	ND<330	330			
bis(2-chloroethoxy)met:	ND<330	330			
1,4-dichlorophenol:	ND<330	330			
1,2,4-trichlorobenzene:	ND<330	330	88/94	45-119	7%
naphthalene:	ND<330	330			
benzoic acid:	ND<330	330			
2-chloroaniline:	ND<330	330			
hexachlorobutadiene:	ND<330	330			
2-chloro-3-methylpheno:	ND<330	330	78/84	50-120	7%
2-methyl-naphthalene:	ND<330	330			
hexachlorocyclopentadie:	ND<330	330			
1,4,6-trichlorophenol:	ND<330	330			
1,4,5-trichlorophenol:	ND<800	800			



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Laboratory Number 57903

Compound	Method Blank (ug/kg)	RL (ug/kg)	Spike Recovery (%)	Limits (%)	RPD (%)
bis(2-chloroethyl)eth:	ND<330	330			
aniline:	ND<330	330			
phenol:	ND<330	330	78/82	55-105	5%
2-chlorophenol:	ND<330	330	76/81	60-111	6%
1,3-dichlorobenzene:	ND<330	330			
1,4-dichlorobenzene:	ND<330	330	77/81	52-116	5%
1,2-dichlorobenzene:	ND<330	330			
benzyl alcohol:	ND<330	330			
bis-(2-chloroisopropyl):	ND<330	330			
2-methylphenol:	ND<330	330			
hexachloroethane:	ND<330	330			
n-nitroso-di-n-propyla:	ND<330	330	86/91	59-130	6%
4-methylphenol:	ND<330	330			
nitrobenzene:	ND<330	330			
isophorone:	ND<330	330			
2-nitrophenol:	ND<330	330			
2,4-dimethylphenol:	ND<330	330			
bis(2-chloroethoxy)met:	ND<330	330			
2,4-dichlorophenol:	ND<330	330			
1,2,4-trichlorobenzene:	ND<330	330	88/94	45-119	7%
naphthalene:	ND<330	330			
benzoic acid:	ND<330	330			
4-chloroaniline:	ND<330	330			
hexachlorobutadiene:	ND<330	330			
4-chloro-3-methylpheno:	ND<330	330	78/84	50-120	7%
2-methyl-naphthalene:	ND<330	330			
hexachlorocyclopentadie:	ND<330	330			
2,4,6-trichlorophenol:	ND<330	330			
2,4,5-trichlorophenol:	ND<800	800			



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Laboratory Number 57903

Compound	Method Blank (ug/kg)	RL (ug/kg)	Spike Recovery (%)	Limits (%)	RPD (%)
2-chloronaphthalene:	ND<330	330			
2-nitroaniline:	ND<800	800			
acenaphthylene:	ND<330	330			
dimethylphthlate:	ND<330	330			
2,6-dinitrotoluene:	ND<330	330			
acenaphthene:	ND<330	330	93/101	55-112	8%
3-nitroaniline:	ND<800	800			
2,4-dinitrophenol:	ND<800	800			
dibenzofuran:	ND<330	330			
2,4-dinitrotoluene:	ND<330	330	66/75	40-101	13%
4-nitrophenol:	ND<800	800	58/65	11-157	11%
fluorene:	ND<330	330			
4-chlorophenyl-phenyle:	ND<330	330			
diethylphthlate:	ND<330	330			
4-nitroaniline:	ND<800	800			
4,6-dinitro-2-methylph:	ND<800	800			
n-nitrosodiphenylamine:	ND<330	330			
4-bromo-phenyl-phenyle:	ND<330	330			
hexachlorobenzene:	ND<330	330			
pentachlorophenol:	ND<800	800	66/73	17-144	10%
phenanthrene:	ND<330	330			
anthracene:	ND<330	330			
di-n-butylphthlate:	ND<330	330			
fluoranthene:	ND<330	330			
benzidine:	ND<1700	1700			
pyrene:	ND<330	330	82/87	55-136	6%
butylbenzylphthlate:	ND<330	330			
3,3'-dichlorobenzidine:	ND<660	660			
benzo[a]anthracene:	ND<330	330			



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EPA SW-846 METHOD 8270 SEMIVOLATILE ORGANICS BY GC/MS
Quality Assurance and Control Data - Soil

Laboratory Number 57903

Compound	Method Blank (ug/kg)	RL (ug/kg)	Spike Recovery (%)	Limits (%)	RPD (%)
chrysene:	ND<330	330			
bis(2-ethylhexyl)phtha:	ND<330	330			
di-n-octylphthalate:	ND<330	330			
benzo(b,k)fluoranthene:	ND<330	330			
benzo[a]pyrene:	ND<330	330			
indeno[1,2,3-cd]pyrene:	ND<330	330			
dibenzo[a,h]anthracene:	ND<330	330			
benzo[g,h,i]perylene:	ND<330	330			
2-fluorophenol:	72			50-108	
phenol-d5:	83			54-106	
nitrobenzene-d5:	71			45-109	
2-fluorobiphenyl:	86			52-115	
2,4,6-tribromophenol:	81			37-122	
terphenyl-d14:	68			55-137	

Definitions:

ND = Not Detected
 RPD = Relative Percent Difference
 RL = Reporting Limit
 ug/kg = Parts per billion (ppb)
 QC File No. 57903

 4/11/94.

Senior Chemist
 Account Manager

Section I

CHAIN OF CUSTODY AND ANALYSIS REQUEST

LAB NO. _____

Consultant Name SEMCO
Office Location 1741 Leslie Rd. San Mateo, CA 94402
Fax No. (415) 572-9734
Project Manager Terry Hamilton
Phone (415) 572 8033

TURN AROUND TIME
(Circle One)
Same Day 72 Hrs
 24 Hrs 5 Day
 48 Hrs

SUPERIOR ANALYTICAL, INC.
 Martinez San Francisco
 415/229-1512 415/647-2081

Send Coolers to : Modesto San Mateo
Project No. / P.O. No. 94-3571 WANNETTA HALL

Sampler FAT Vigil
Regulatory Agency ALAMEDA COUNTY HAZMAT

Section II Analysis Request **Section III Sample Information**

Sample Identification	S=Soil W=Water Matrix	A=Air	TPH - G & D	TPH - Low Level D	TPH - G	BTXE	O&G	8010	8240	Metals	Others * Subject to Subcontracting	TOTAL LEAD	Date	Time	Containers		Sampling Remarks
															Quantity	Pres.	
1 #1 PIT H ₂ O WASTE OIL	W		✓			✓	✓	✓					3/31		1-AMBER 2-VOAS		
2 #2 WATER INTERFACE - 5'	S		✓			✓	✓	✓					3/31		1		
3 #3 COMP. WASTE SPOILS OIL	S		✓			✓	✓	✓					3/31		2		
4 #4 EAST WALL	S		✓			✓							3/31	3:40	1		
5 #5 GAS TANK PIT	W		✓			✓							3/31		1-LEAK 2-VOAS		
6 #6 - NORTH WALL	S		✓			✓							3/31	3:55	1		
7 #7 - SOUTH WALL	S		✓			✓							3/31	4:05	1		
8 #8 - WEST WALL	S		✓			✓							3/31	4:16	1		
9 #9 - GAS COMP SPOILS	S		✓			✓							3/31	4:18	4		
10																	
11																	
12																	

Relinquished by [Signature]
Organization SEMCO
Relinquished by _____
Organization _____
Relinquished by Randy Williams
Organization SEMCO

Date/Time 3/31/94 5:20
Date/Time _____
Date/Time 4/1/94 2:55

Received by [Signature]
Organization SEMCO
Received by _____
Organization _____
Received by [Signature]
Organization USE LAB

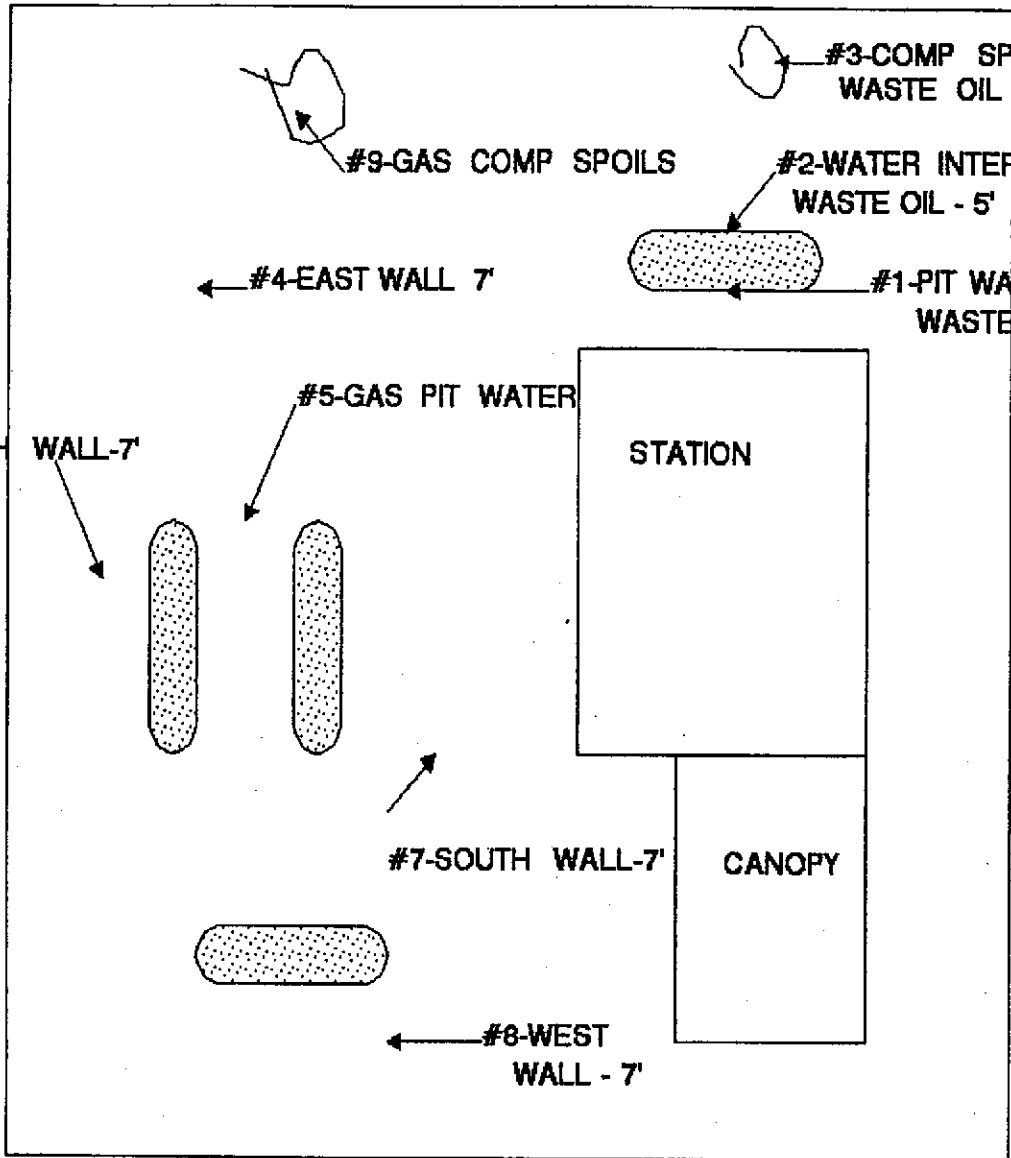
Please Initial _____
Samples Stored in Ice _____
Appropriate Containers _____
Samples Preserved _____
VOA's without Headspace _____
Comments _____

MAGEE AVENUE

SIDE-WALK

#6-NORTH WALL-7'

7'



7' SIDEWALK

MAC ARTHUR BOULEVARD



NOT TO SCALE

S E M C O
3600 MAC ARTHUR BLVD
OAKLAND