FULLERTON LABORATORY
1511 E. ORANGETHORPE AVE.
FULLERTON, CA 92831
PHONE (714) 447-6868

SPL, INC.

REPORT APPROVAL SHEET

WORK ORDER NUMBER: *97 - 03 - 017*

Approved for release by:

Joel Grice, Laboratory Manager for

Date: 3-25-97

Michael J. Crisostomo, Project Manager

Date: 3-25-97

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CASE NARRATIVE

SPL Workorder Number: 9703017

Southern Petroleum Laboratories (SPL) Fullerton is pleased to present the following results of laboratory analyses to Montgomery Watson-Pasadena for the MDRC project, located in Torrance, CA. On March 3, 1997, eleven (11) samples were received by the laboratory. The samples were received intact and within the 2°C - 6°C preservation temperature range.

On March 5, 1997, a faxed request was received requesting that samples B37-GS-52-4ft. and B37-GS-59-6ft be analyzed for PCBs by EPA 8080. These analyses were performed at SPL's Houston laboratory. Additionally, on March 10, 1997, a request for VOCs by EPA 8260 and SVOCs by EPA 8270 was received. The analyses to be reported under this cover are for samples B37-GS-52-4ft and B37-GS-52-4ft. The VOCs were analyzed at SPL's Fullerton laboratory under Fullerton workorder number 9703017; the SVOCs were analyzed at SPL's Houston laboratory under Houston workorder number 9703366.

Please note that VOC analyses of samples B37-GS-52-4ft and B37-GS-59-6ft were performed at Orange Coast Laboratories and are being submitted to Montgomery Watson under an Orange Coast Laboratory workorder.

If you have any questions regarding information presented in this report please call me at (714) 447-6868. Please refer to workorder 9703017 to expedite service.

Michael J. Crisostomo
Project Manager

Certificate of Analysis No. 9703017

FULLERTON LABORATORY
1511 E. ORANGETHORPE AVE.
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PHONE (714) 447-6868

Client: Montgomery Watson
Client Address: 250 N. Madison Avenue
Pasadena CA 91101
Attention: Nancy Matsumoto

Report Date: 3/25/97
Date(s) Received: 3/3/97
Date(s) Sampled: 3/3/97
Date(s) Analyzed: 3/4/97

Project Name MDRC C-6 Facility Building 37
Site: Torrance, CA
Method: 418.1*

Project Number: 120603501090010
Matrix: SOIL

Units: mg/Kg

Sample ID	Petroleum Extractables
B37-GS-51-4ft.	ND<10
B37-GS-52-4ft.	3900
B37-GS-53-2.5ft.	120
B37-GS-54-3ft.	19
B37-GS-55-6ft.	ND<10
B37-GS-56-5ft.	ND<10
B37-GS-57-3ft.	25
B37-GS-58-5.5ft.	ND<10
B37-GS-59-6ft.	49
B37-GS-60-5ft.	ND<10
B37-GS-61-5.5ft.	ND<10

Results reported at Practical Quantitation Limits unless otherwise specified.

* Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
** Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.

SPL California License Number 2178

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Report Date: 3/25/97
Date(s) Received: 3/3/97
Date(s) Sampled: 3/3/97
Date(s) Analyzed: 3/11/97,3/6/97, 3/5/97,3/4/97

Project Name: MDRC C-6 Facility Building 37
Site: Torrance, CA

Project Number: 120603501090010
Matrix: SOIL

Analyte	Units	EPA Method	B37-GS-51-4ft.	B37-GS-52-4ft.	B37-GS-53-2.5ft.	B37-GS-54-3ft.	B37-GS-55-6ft.
Antimony, Total	mg/Kg	6010A***	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500
Arsenic, Total	mg/Kg	6010A***	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11
Barium, Total	mg/Kg	6010A***	96.3	42.4	106	106	185
Beryllium, Total	mg/Kg	6010A***	ND<0.06	ND<0.06	ND<0.06	ND<0.06	ND<0.06
Cadmium, Total	mg/Kg	6010A***	0.64	0.28	4.14	0.34	0.66
Chromium, Total	mg/Kg	6010A***	16.7	6.87	46.7	15.4	21.6
Cobalt, Total	mg/Kg	6010A***	9.14	3.31	10.3	10.0	12.7
Copper, Total	mg/Kg	6010A***	14.4	5.38	25.7	13.8	20.9
Lead, Total	mg/Kg	6010A***	5.64	3.84	18.3	4.94	5.76
Mercury Digestion in Soil	N/A	7471A***	03/04/97	03/04/97	03/04/97	03/04/97	03/11/97
Mercury, Total	mg/Kg	7471A***	ND<0.200	ND<0.200	ND<0.200	ND<0.200	ND<0.200
Molybdenum,Total	mg/Kg	6010A***	ND<2.50	ND<2.50	ND<2.50	ND<2.50	ND<2.50
Nickel, Total	mg/Kg	6010A ***	9.25	ND<5.00	12.0	9.34	12.4
Selenium, Total	mg/Kg	6010A***	ND<5.00	ND<5.00	ND<5.00	ND<5.00	ND<5.00
Silver, Total	mg/Kg	6010A***	ND<5.00	ND<5.00	ND<5.00	ND<5.00	ND<5.00
Thallium, Total	mg/Kg	6010A***	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500
Vanadium, Total	mg/Kg	6010A***	30.8	11.5	36.0	34.3	40.8
Zinc, Total	mg/Kg	6010A***	40.5	19.9	78.8	37.0	89.5

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Pasadena, CA 91101
Attention: Nancy Matsumoto

Report Date: 3/25/97
Date(s) Received: 3/3/97
Date(s) Sampled: 3/3/97
Date(s) Analyzed: 3/11/97,3/6/97, 3/5/97,3/4/97

Project Name: MDRC C-6 Facility Building 37
Site: Torrance, CA

Project Number: 120603501090010
Matrix: SOIL

Analyte	Units	EPA Method	B37-GS-56-5ft.	B37-GS-57-3ft.	B37-GS-58-5.5ft.	B37-GS-59-6ft.	B37-GS-60-5ft.
Antimony, Total	mg/Kg	6010A***	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500
Arsenic, Total	mg/Kg	6010A***	ND<0.11	ND<0.11	ND<0.11	ND<0.11	ND<0.11
Barium, Total	mg/Kg	6010A***	235	125	103	124	124
Beryllium, Total	mg/Kg	6010A***	ND<0.06	ND<0.06	ND<0.06	ND<0.06	ND<0.06
Cadmium, Total	mg/Kg	6010A***	0.26	0.20	0.42	0.26	0.35
Chromium, Total	mg/Kg	6010A***	26.9	20.2	16.1	21.2	21.0
Cobalt, Total	mg/Kg	6010A***	9.13	11.0	10.0	10.3	11.8
Copper, Total	mg/Kg	6010A***	26.8	16.8	15.6	23.0	21.6
Lead, Total	mg/Kg	6010A***	6.26	4.78	4.64	5.90	5.18
Mercury Digestion in Soil	N/A	7471A***	03/11/97	03/11/97	03/11/97	03/11/97	03/11/97
Mercury, Total	mg/Kg	7471A***	ND<0.200	ND<0.200	ND<0.200	ND<0.200	ND<0.200
Molybdenum,Total	mg/Kg	6010A***	ND<2.50	ND<2.50	ND<2.50	ND<2.50	ND<2.50
Nickel, Total	mg/Kg	6010A ***	13.3	15.0	10.2	13.8	15.5
Selenium, Total	mg/Kg	6010A***	ND<5.00	ND<5.00	ND<5.00	ND<5.00	ND<5.00
Silver, Total	mg/Kg	6010A***	ND<5.00	ND<5.00	ND<5.00	ND<5.00	ND<5.00
Thallium, Total	mg/Kg	6010A***	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<0.500
Vanadium, Total	mg/Kg	6010A***	48.8	45.2	32.6	45.6	42.2
Zinc, Total	mg/Kg	6010A***	89.7	55.5	47.2	67.4	62.4

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Pasadena, CA 91101
Attention: Nancy Matsumoto

Report Date: 3/25/97
Date(s) Received: 3/3/97
Date(s) Sampled: 3/3/97
Date(s) Analyzed: 3/11/97,3/6/97, 3/5/97,3/4/97

Project Name: MDRC C-6 Facility Building 37
Site: Torrance, CA

Project Number: 120603501090010
Matrix: SOIL

Analyte	Units	EPA Method	B37-GS-61-5.5ft.
Antimony, Total	mg/Kg	6010A***	ND<0.500
Arsenic, Total	mg/Kg	6010A***	ND<0.11
Barium, Total	mg/Kg	6010A***	126
Beryllium, Total	mg/Kg	6010A***	ND<0.06
Cadmium, Total	mg/Kg	6010A***	0.52
Chromium, Total	mg/Kg	6010A***	15.3
Cobalt, Total	mg/Kg	6010A***	10.6
Copper, Total	mg/Kg	6010A***	14.7
Lead, Total	mg/Kg	6010A***	4.81
Mercury Digestion in Soil	N/A	7471A***	03/11/97
Mercury, Total	mg/Kg	7471A***	ND<0.200
Molybdenum,Total	mg/Kg	6010A***	ND<2.50
Nickel, Total	mg/Kg	6010A ***	10.1
Selenium, Total	mg/Kg	6010A***	ND<5.00
Silver, Total	mg/Kg	6010A***	ND<5.00
Thallium, Total	mg/Kg	6010A***	ND<0.500
Vanadium, Total	mg/Kg	6010A***	33
Zinc, Total	mg/Kg	6010A***	46.8

Results reported at Practical Quantitation Limits unless otherwise specified.

* Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
** Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.

Results for Arsenic, Beryllium, Cadmium, and total Chromium are presented using the MDL as a reference.

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Pasadena CA 91101
Attention: Nancy Matsumoto

Report Date: 3/25/97
Date(s) Received: 3/3/97
Date(s) Sampled: 3/3/97
Date(s) Analyzed: 3/5/97,3/4/97

Project Name MDRC C-6 Facility Building 37
Site: Torrance, CA
Method: 3050A***

Project Number: 120603501090010
Matrix: SOIL

Units: N/A

Sample ID	Digestion-Solids 3050A
B37-GS-51-4ft.	03/04/97
B37-GS-52-4ft.	03/04/97
B37-GS-53-2.5ft.	03/04/97
B37-GS-54-3ft.	03/05/97
B37-GS-55-6ft.	03/05/97
B37-GS-56-5ft.	03/05/97
B37-GS-57-3ft.	03/05/97
B37-GS-58-5.5ft.	03/05/97
B37-GS-59-6ft.	03/05/97
B37-GS-60-5ft.	03/05/97
B37-GS-61-5.5ft.	03/05/97

Results reported at Practical Quantitation Limits unless otherwise specified.

* Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
** Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.

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Client:	Montgomery Watson	**Report Date:**	3/25/97
Client Address:	250 N. Madison Avenue Pasadena, CA 91101	**Date(s) Received:**	3/3/97
		Date(s) Sampled:	3/3/97
Attention:	Nancy Matsumoto	**Date(s) Analyzed:**	3/14/97
Project Name:	MDRC C6-Facility Building 37	**Project Number:**	120603501090010
Site:	Torrance, CA	**Matrix:**	SOIL
Method:	8270 Soil, Semivolatile Organics	**Units:**	ug/Kg

Analyte	B37-GS-52-4ft.	B37-GS-59-6ft.
Acenaphthene	ND<330	ND<330
Acenaphthylene	ND<330	ND<330
Aniline	ND<330	ND<330
Anthracene	ND<330	ND<330
Benzo (a) Anthracene	ND<330	ND<330
Benzo (b) Fluoranthene	ND<330	ND<330
Benzo (k) Fluoranthene	ND<330	ND<330
Benzo (a) Pyrene	ND<330	ND<330
Benzoic Acid	ND<1600	ND<1600
Benzo (g,h,i) Perylene	ND<330	ND<330
Benzyl alcohol	ND<330	ND<330
4-Bromophenylphenyl ether	ND<330	ND<330
Butylbenzylphthalate	ND<330	ND<330
di-n-Butyl phthalate	ND<330	ND<330
Carbazole	ND<330	ND<330
4-Chloroaniline	ND<330	ND<330
bis (2-Chloroethoxy) Methane	ND<330	ND<330
bis (2-Chloroethyl) Ether	ND<330	ND<330
bis (2-Chloroisopropyl) Ether	ND<330	ND<330
4-Chloro-3-Methylphenol	ND<330	ND<330
2-Chloronaphthalene	ND<330	ND<330
2-Chlorophenol	ND<330	ND<330
4-Chlorophenylphenyl ether	ND<330	ND<330
Chrysene	ND<330	ND<330
Dibenz (a,h) Anthracene	ND<330	ND<330
Dibenzofuran	ND<330	ND<330
1,2-Dichlorobenzene	ND<330	ND<330
1,3-Dichlorobenzene	ND<330	ND<330
1,4-Dichlorobenzene	ND<330	ND<330
3,3'-Dichlorobenzidine	ND<330	ND<330
2,4-Dichlorophenol	ND<330	ND<330
Diethylphthalate	ND<330	ND<330
2,4-Dimethylphenol	ND<330	ND<330
Dimethyl Phthalate	ND<330	ND<330
4,6-Dinitro-2-Methylphenol	ND<800	ND<800
2,4-Dinitrophenol	ND<800	ND<800
2,4-Dinitrotoluene	ND<330	ND<330
2,6-Dinitrotoluene	ND<330	ND<330

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Client Address:	250 N. Madison Avenue Pasadena, CA 91101	**Date(s) Received:**	3/3/97
		Date(s) Sampled:	3/3/97
Attention:	Nancy Matsumoto	**Date(s) Analyzed:**	3/14/97
Project Name:	MDRC C6-Facility Building 37	**Project Number:**	120603501090010
Site:	Torrance, CA	**Matrix:**	SOIL
Method:	8270 Soil, Semivolatile Organics	**Units:**	ug/Kg

Analyte	B37-GS-52-4ft.	B37-GS-59-6ft.
1,2-Diphenylhydrazine	ND<330	ND<330
bis (2-Ethylhexyl)Phthalate	2100	ND<330
Fluoranthene	ND<330	ND<330
Fluorene	ND<330	ND<330
Hexachlorobenzene	ND<330	ND<330
Hexachlorobutadiene	ND<330	ND<330
Hexachloroethane	ND<330	ND<330
Hexachlorocyclopentadiene	ND<330	ND<330
Indeno(1,2,3-cd)Pyrene	ND<330	ND<330
Isophorone	ND<330	ND<330
2-Methylnaphthalene	ND<330	ND<330
2-Methylphenol	ND<330	ND<330
4-Methylphenol	ND<330	ND<330
Napthalene	ND<330	ND<330
2-Nitroaniline	ND<800	ND<800
3-Nitroaniline	ND<800	ND<800
4-Nitroaniline	ND<800	ND<800
Nitrobenzene	ND<330	ND<330
2-Nitrophenol	ND<330	ND<330
4-Nitrophenol	ND<800	ND<800
N-Nitrosodiphenylamine	ND<330	ND<330
N-Nitroso-Di-n-Propylamine	ND<330	ND<330
Di-n-Octyl Phthalate	ND<330	ND<330
Pentachlorophenol	ND<800	ND<800
Phenanthrene	ND<330	ND<330
Phenol	ND<330	ND<330
Pyrene	ND<330	ND<330
Pyridine	ND<330	ND<330
1,2,4-Trichlorobenzene	ND<330	ND<330
2,4,5-Trichlorophenol	ND<800	ND<800
2,4,6-Trichlorophenol	ND<330	ND<330

Results reported at Practical Quantitation Limits unless otherwise specified.

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**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
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Attention: Nancy Matsumoto
Project Name MDRC C-6 Facility Building 37
Site: Torrance, CA

Report Date: 3/25/97
Date(s) Received: 3/3/97
Date(s) Sampled: 3/3/97
Date(s) Analyzed: 3/10/97
Project Number: 120603501090010
Matrix: SOIL

Method: 8080, Polychlorinated biphenyls

Units: µg/Kg

Analyte	B37-GS-52-4ft.	B37-GS-59-6ft.
PCB-1016	ND<17	ND<17
PCB-1221	ND<17	ND<17
PCB-1232	ND<17	ND<17
PCB-1242	ND<17	ND<17
PCB-1248	ND<17	ND<17
PCB-1254	ND<17	ND<17
PCB-1260	ND<17	ND<17

Results reported at Practical Quantitation Limits unless otherwise specified.

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Report Date: 3/25/97
Date(s) Received: 3/3/97
Date(s) Sampled: 3/3/97
Date(s) Analyzed: 3/14/97

Project Name MDRC C-6 Facility Building 37
Site: Torrance, CA
Method: 3550A

Project Number: 120603501090010
Matrix: SOIL

Units: N/A

Sample ID	Ultrasonic Extraction 3550A
B37-GS-52-4ft.	03/14/97
B37-GS-59-6ft.	03/14/97

Results reported at Practical Quantitation Limits unless otherwise specified.

* Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
** Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd ed.

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QUALITY CONTROL

DOCUMENTATION

FULLERTON LABORATORY
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FULLERTON, CA 92831
PHONE (714) 447-6868

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 03/04/97
Analyzed on: 03/04/97
Analyst: SB

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Petroleum Extractables
Method 418.1*

SPL Sample ID Number	Method Blank mg/Kg	Sample Result mg/Kg	Spike Added mg/Kg	Matrix Spike Result mg/Kg	Matrix Spike Recovery %	Matrix Spike Duplicate Result mg/Kg	Matrix Spike Duplicate Recovery %	RPD (%)	QC LIMITS (Advisory) RPD Max	QC LIMITS (Advisory) % REC
9703017-01A	ND	ND	500	464	92.8	458	91.6	1.3	20	80 -120

PETHS030497 -9703008

Samples in batch:

9703017-01A 9703017-02A 9703017-03A 9703017-04A
9703017-05A 9703017-06A 9703017-07A 9703017-08A
9703017-09A 9703017-10A 9703017-11A

COMMENTS:

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** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 03/04/97
Analyzed on: 03/04/97
Analyst: SB

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Petroleum Extractables
Method 418.1*

SPL Sample ID Number	Blank Value mg/Kg	LCS Concentration mg/Kg	Measured Concentration mg/Kg	% Recovery	QC Limits Recovery
LCS	ND	500	495	99.0	80 - 120

PETHS030497 -9703008

Samples in batch:

9703017-01A 9703017-02A 9703017-03A 9703017-04A
9703017-05A 9703017-06A 9703017-07A 9703017-08A
9703017-09A 9703017-10A 9703017-11A

COMMENTS:

QUALITY CONTROL INFORMATION
METALS

FULLERTON LABORATORY
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MS/MSD Results

Date: 3/6/97
Sample ID: 9702226-14

Matrix: Soil
Includes: 9702215-1-2; 9702216-1-3; 9702227-1; 9702226-7-8, 11-13; 9702228-1; 9703017-1-3

Parameter	LMB	LCS Rec. (%)	Acceptability Range (%)	MS Rec. (%)		MSD Rec. (%)		Acceptability Range (%)	RPD	RPD Range (%)
Antimony, Sb	ND	103	84-117	56.1	**	57.1	**	80-120	1.8	20
Arsenic, As	ND	106	85-117	73.3	**	74.2	**	80-120	1.2	20
Barium, Ba	ND	103	62-136	77.8	**	76.2	**	80-120	2.0	20
Beryllium, Be	ND	102	85-111	85.4		84.9		80-120	0.5	20
Cadmium, Cd	ND	100	86-112	86.1		85.9		80-120	0.2	20
Chromium, Cr	ND	102	83-110	82.8		81.8		80-120	1.1	20
Cobalt, Co	ND	101	85-112	79.0	**	78.6	**	80-120	0.5	20
Copper, Cu	ND	102	84-111	88.2		86.6		80-120	1.9	20
Lead, Pb	ND	102	85-110	77.6	**	77.5	**	80-120	0.2	20
Molybdenum, Mo	ND	99.0	83-110	81.4		81.2		80-120	0.2	20
Nickel, Ni	ND	102	86-110	80.1		79.2	**	80-120	1.1	20
Selenium, Se	ND	102	84-111	74.9	**	73.9	**	80-120	1.3	20
Silver, Ag	ND	105	80-125	69.5	**	69.4	**	80-120	0.2	20
Thallium, Tl	ND	100	83-109	72.8	**	73.4	**	80-120	0.9	20
Vanadium, V	ND	101	84-109	86.5		84.6		80-120	2.2	20
Zinc, Zn	ND	106	88-117	88.9		86.8		80-120	2.3	20

**Matrix Effect

LMB = Laboratory Method Blank
LCS = Laboratory Control Sample
LCSD = Laboratory Control Sample Duplicate
ND = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

FULLERTON LABORATORY
1511 E ORANGETHORPE AVE
FULLERTON, CA 92831
PHONE (714) 447-6868

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 03/07/97
Analyzed on: 03/05/97
Analyst: GQ

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Mercury, Total
METHOD 7471A***

SPL Sample ID Number	Method Blank mg/Kg	Sample Result mg/Kg	Spike Added mg/Kg	Matrix Spike Result mg/Kg	Matrix Spike Recovery %	Matrix Spike Duplicate Result mg/Kg	Matrix Spike Duplicate Recovery %	RPD (%)	QC LIMITS (Advisory) RPD Max	QC LIMITS (Advisory) % REC
9702226-14A	ND	ND	.0010	.00104	104	.00102	102	1.9	20	80 -120

HGS030597 -9703020

Samples in batch:

9702205-01B	9702205-02B	9702205-03B	9702215-01A
9702215-02A	9702216-01A	9702216-02A	9702216-03A
9702226-07A	9702226-08A	9702226-11A	9702226-14A
9702227-01A	9702228-01A	9703017-01A	9703017-02A
9703017-03A	9703017-04A		

COMMENTS:

FULLERTON LABORATORY
1511 E ORANGETHORPE AVE
FULLERTON, CA 92831
PHONE (714) 447-6868

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 03/07/97
Analyzed on: 03/05/97
Analyst: GQ

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Mercury, Total
METHOD 7471A***

SPL Sample ID Number	Blank Value mg/Kg	LCS Concentration mg/Kg	Measured Concentration mg/Kg	% Recovery	QC Limits Recovery
LCS	ND	.0010	.0010	100	80 - 120

HGS030597 -9703020

ples in batch:

02205-01B	9702205-02B	9702205-03B	9702215-01A
9702215-02A	9702216-01A	9702216-02A	9702216-03A
9702226-07A	9702226-08A	9702226-11A	9702226-14A
9702227-01A	9702228-01A	9703017-01A	9703017-02A
9703017-03A	9703017-04A		

COMMENTS:

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

SPL Blank QC Report

Matrix: Soil
Sample ID: BLANK
Batch: E970314044703

Reported on: 03/17/97 14:09
Analyzed on: 03/14/97 15:42
Analyst: LH

METHOD 8270 BLANK H073B02

Compound	Result	Detection Limit	Units
Pyridine	ND	330	ug/Kg
Phenol	ND	330	ug/Kg
Aniline	ND	330	ug/Kg
bis(2-Chloroethyl)ether	ND	330	ug/Kg
2-Chlorophenol	ND	330	ug/Kg
1,3-Dichlorobenzene	ND	330	ug/Kg
1,4-Dichlorobenzene	ND	330	ug/Kg
Benzyl alcohol	ND	330	ug/Kg
1,2-Dichlorobenzene	ND	330	ug/Kg
2-Methylphenol	ND	330	ug/Kg
bis(2-chloroisopropyl)ethe	ND	330	ug/Kg
4-Methylphenol	ND	330	ug/Kg
N-Nitroso-di-n-propylamine	ND	330	ug/Kg
Hexachloroethane	ND	330	ug/Kg
Nitrobenzene	ND	330	ug/Kg
Isophorone	ND	330	ug/Kg
2-Nitrophenol	ND	330	ug/Kg
2,4-Dimethylphenol	ND	330	ug/Kg
Benzoic acid	ND	1600	ug/Kg
bis(2-Chloroethoxy)methane	ND	330	ug/Kg
2,4-Dichlorophenol	ND	330	ug/Kg
1,2,4-Trichlorobenzene	ND	330	ug/Kg
Naphthalene	ND	330	ug/Kg
4-Chloroaniline	ND	330	ug/Kg
Hexachlorobutadiene	ND	330	ug/Kg
4-Chloro-3-methylphenol	ND	330	ug/Kg
2-Methylnaphthalene	ND	330	ug/Kg
Hexachlorocyclopentadiene	ND	330	ug/Kg
2,4,6-Trichlorophenol	ND	330	ug/Kg
2,4,5-Trichlorophenol	ND	800	ug/Kg
2-Chloronaphthalene	ND	330	ug/Kg
2-Nitroaniline	ND	800	ug/Kg
Dimethylphthalate	ND	330	ug/Kg
2,6-Dinitrotoluene	ND	330	ug/Kg

Notes
ND - Not detected.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

SPL Blank QC Report

Matrix: Soil
Sample ID: BLANK
Batch: E970314044703

Reported on: 03/17/97 14:09
Analyzed on: 03/14/97 15:42
Analyst: LH

METHOD 8270 BLANK H073B02

Compound	Result	Detection Limit	Units
Acenaphthylene	ND	330	ug/Kg
3-Nitroaniline	ND	800	ug/Kg
Acenaphthene	ND	330	ug/Kg
2,4-Dinitrophenol	ND	800	ug/Kg
4-Nitrophenol	ND	800	ug/Kg
Dibenzofuran	ND	330	ug/Kg
2,4-Dinitrotoluene	ND	330	ug/Kg
Diethylphthalate	ND	330	ug/Kg
4-Chlorophenyl-phenylether	ND	330	ug/Kg
Fluorene	ND	330	ug/Kg
4-Nitroaniline	ND	800	ug/Kg
4,6-Dinitro-2-methylphenol	ND	800	ug/Kg
n-Nitrosodiphenylamine	ND	330	ug/Kg
1,2-Diphenylhydrazine	ND	330	ug/Kg
4-Bromophenyl-phenylether	ND	330	ug/Kg
Hexachlorobenzene	ND	330	ug/Kg
Pentachlorophenol	ND	800	ug/Kg
Phenanthrene	ND	330	ug/Kg
Anthracene	ND	330	ug/Kg
Carbazole	ND	330	ug/Kg
Di-n-butylphthalate	ND	330	ug/Kg
Fluoranthene	ND	330	ug/Kg
Pyrene	ND	330	ug/Kg
Butylbenzylphthalate	ND	330	ug/Kg
3,3'-Dichlorobenzidine	ND	330	ug/Kg
Benzo[a]anthracene	ND	330	ug/Kg
Chrysene	ND	330	ug/Kg
bis(2-Ethylhexyl)phthalate	ND	330	ug/Kg
Di-n-octylphthalate	ND	330	ug/Kg
Benzo[b]fluoranthene	ND	330	ug/Kg
Benzo[k]fluoranthene	ND	330	ug/Kg
Benzo[a]pyrene	ND	330	ug/Kg
Indeno[1,2,3-cd]pyrene	ND	330	ug/Kg
Dibenz[a,h]anthracene	ND	330	ug/Kg

Notes
ND - Not detected.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

SPL Blank QC Report

Matrix: Soil
Sample ID: BLANK
Batch: E970314044703

Reported on: 03/17/97 14:09
Analyzed on: 03/14/97 15:42
Analyst: LH

METHOD 8270 BLANK H073B02

Compound	Result	Detection Limit	Units
Benzo[g,h,i]perylene	ND	330	ug/Kg

Surrogate	Result	QC Criteria	Units
Nitrobenzene-d5	88	23-120	% Recovery
2-Fluorobiphenyl	78	30-115	% Recovery
Terphenyl-d14	79	18-137	% Recovery
Phenol-d5	69	24-113	% Recovery
2-Fluorophenol	63	25-121	% Recovery
2,4,6-Tribromophenol	113	19-122	% Recovery

Samples in Batch 9703366-01 9703366-02

Notes

ND - Not detected.

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPL Contract:

Lab Code: Case No.: 9703535 SAS No.: SDG No.:

Matrix Spike - EPA Sample No.: 9703071-04B Level(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	2500	0	1200	48	12-110
2-Chlorophenol	2500	0	1400	56	27-123
1,4-Dichlorobenzene	1600	0	1100	69	36- 97
N-Nitroso-di-n-prop.(1)	1600	0	1200	75	41-116
1,2,4-Trichlorobenzene	1600	0	1500	94	39- 98
4-Chloro-3-methylphenol	2500	0	2000	80	23- 97
Acenaphthene	1600	0	1000	63	46-118
4-Nitrophenol	2500	0	2200	88	30-150
2,4-Dinitrotoluene	1600	0	1200	75	50-150
Pentachlorophenol	2500	0	2000	80	9-103
Pyrene	1600	0	720	45	26-127

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	2500	1200	48	0	42	12-110
2-Chlorophenol	2500	1400	56	0	40	27-123
1,4-Dichlorobenzene	1600	1100	69	0	28	36- 97
N-Nitroso-di-n-prop.(1)	1600	1300	81	8	38	41-116
1,2,4-Trichlorobenzene	1600	1500	94	0	28	39- 98
4-Chloro-3-methylphenol	2500	1900	76	5	42	23- 97
Acenaphthene	1600	1100	69	9	31	46-118
4-Nitrophenol	2500	2100	84	5	50	30-150
2,4-Dinitrotoluene	1600	1200	75	0	50	50-150
Pentachlorophenol	2500	2000	80	0	50	9-103
Pyrene	1600	750	47	4	31	26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

SPL Houston Labs

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: LCS
Level: LOW
Data Type: MS DATA
SpikeList File: 8270s.spk
Method File: /chem1/h.i/h970314.b/h8270sQ.m
Misc Info: E073S1/H073B02/H073CC1

Client SDG: h970314
Fraction: SV

Operator: LH
SampleType: MS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
5 Phenol	2500	1300	53.86	12-110
9 2-Chlorophenol	2500	1600	62.82	27-123
12 1,4-Dichlorobenzen	1600	1100	71.42	36-97
21 N-Nitroso-di-n-pro	1600	1300	82.27	41-116
31 1,2,4-Trichloroben	1600	1600	97.70	39-98
36 4-Chloro-3-methylp	2500	2000	82.36	23-97
49 Acenaphthene	1600	1200	72.69	46-118
51 4-Nitrophenol	2500	2500	100.06	30-150
53 2,4-Dinitrotoluene	1600	1400	88.12	50-150
64 Pentachlorophenol	2500	2000	81.61	9-103
71 Pyrene	1600	690	42.91	26-127

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 23 Nitrobenzene-d5	1600	1500	93.11	23-120
$ 41 2-Fluorobiphenyl	1600	1300	79.93	30-115
$ 72 Terphenyl-d14	1600	1200	77.36	18-137
$ 3 2-Fluorophenol	2500	1600	64.50	25-121
$ 4 Phenol-d5	2500	1600	62.15	24-113
$ 61 2,4,6-Tribromophen	2500	3000	121.18	19-122

** SPL BATCH QUALITY CONTROL REPORT **
METHOD 8080

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Matrix: Soil
Units: µg/Kg

Batch Id: VARB970310104200

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
PCB-1254	ND	333	379.18	114	34 - 131

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
PCB-1254	ND	333	295.43	88.7	356.04	107	18.7	33	34 - 131

Analyst: LT
Sequence Date: 03/10/97
SPL ID of sample spiked: 9702B88-01A
Sample File ID: A_C7015.TXO
Method Blank File ID:
Blank Spike File ID: B_C7101.TXO
Matrix Spike File ID: A_B7244.TXO
Matrix Spike Duplicate File ID: A_B7245.TXO

* = Values Outside QC Range. « = Data outside Method Specification limits.
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: 8080, Table 3
(***) = Source: SPL-Houston Historical Data

SAMPLES IN BATCH(SPL ID): 9703366-01A 9703366-02A 9703367-01A

CHAIN OF CUSTODY

AND

SAMPLE RECEIPT CHECKLIST

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No: 9703017

04761

page 1 of 2

Client Name: Montgomery Watson

Address/Phone: 250 N Madison Ave, Pasadena CA

Client Contact: Fred Strauss (818) 568-6582

Project Name: McDonell Douglas - C6 facility

Project Number: 1206035.01090010

Project Location: C6 facility, Bldg 37, Torrance, CA

Invoice To: Fred Strauss (818) 568-6582

matrix: W=water S=soil SL=sludge O=other:

bottle: P=plastic A=amber glass G=glass V=vial

size: 1=1 liter 4=4oz 40=vial 8=8oz 16=16oz

pres.: 1=HCl 2=HNO3 3=H2SO4 O=other:

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	TRPH	Title 22 Metals							
B37-GS-51-4'	3/3/97	09:35		X	Soil	12"x12" brass sleeve	1 2oz	Ice	2	X	X							
B37-GS-52-4'	3/3/97	09:40		X	Soil				2	X	X							
B37-GS-53-2.5'	3/3/97	09:50		X	Soil				2	X	X							
B37-GS-54-3'	3/3/97	09:55		X	Soil				2	X	X							
B37-GS-55-6'	3/3/97	10:00		X	Soil				2	X	X							
B37-GS-56-5'	3/3/97	10:10		X	Soil				2	X	X							
B37-GS-57-3'	3/3/97	11:35		X	Soil				2	X	X							
B37-GS-58-5.5'	3/3/97	11:40		X	Soil				2	X	X							
B37-GS-59-6'	3/3/97	11:45		X	Soil				2	X	X							
B37-GS-60-5'	3/3/97	11:50		X	Soil				2	X	X							

Client/Consultant Remarks: 24 hr on TRPH only. Standard otherwise

Laboratory remarks:

Intact? ☑ Y ☐ N

Temp: 2.0°C

Requested TAT

TRPH only

24hr ☒ 72hr ☐ all others

48hr ☐ Standard ☒

Other ☐ _____

Special Reporting Requirements: Fax Results ☐ Raw Data ☐ Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐

Special Detection Limits (specify):

PM review (initial):

1. Relinquished by Sampler: Ivan Vargas.	date 3/3/97	time 1700	2. Received by: [signature] 3/3/97 1810
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date	time	6. Received by Laboratory:

☐ 8880 Interchange Drive, Houston, TX 77054 (713) 660-0901

☐ 459 Hughes Drive, Traverse City, MI 49684 (616) 947-5777

☐ 500 Ambassador Caffery Parkway, Scott, LA 70583 (318) 237-4775

☐ 1511 E. Orangethorpe Avenue, Fullerton, CA 92631 (714) 447-6868

BOE-C6-0144188

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No: 9703017

C- 04451

Client Name: Montgomery Watson

Address/Phone: 250 N Madison Ave, Pasadena (818) 568-6582

Client Contact: Fred Strauss (818) 568-6582

Project Name: McDonell Douglas - C6 facility

Project Number: 1206035.01090010

Project Location: C6 facility, Bldg 37, Torrance, CA

Invoice To: Fred Strauss (818) 568-6582

matrix: W=water S=soil SL=sludge O=other:
bottle: P=plastic A=amber glass G=glass V=vial
size: 1=1 liter 4=4oz 40=vial 8=8oz 16=16oz
pres.: 1=HCl 2=HNO3 3=H2SO4 O=other:

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	TRPH	Title 22 Metals							
B37-GS-61-5.5'	3/3/97	11:55		X	Soil	12"x8" SS sleeve	approx 12 oz	Ice	2	x	x							

Client/Consultant Remarks: 24 hr. on TRPH only. Standard otherwise

Laboratory remarks:

Intact? ☑ Y ☐ N

Temp: 2.0°C

Requested TAT: TRPH only

24hr ☒ 72hr ☐ 48hr ☐ Standard ☒ all other Other ☐

Special Reporting Requirements: Fax Results ☐ Raw Data ☐ Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐

Special Detection Limits (specify):

PM review (initial):

1. Relinquished by Sampler: Ivan Vargas	date 3/3/97	time 1700	2. Received by: [signature] 3/3/97 1810
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date	time	6. Received by Laboratory:

☐ 88 Interchange Drive, Houston, TX 77054 (713) 660-0901

☐ 4 ughes Drive, Traverse City, MI 49684 (616) 947-5777

☐ 500 Ambassador Caffery Parkway, Scott, LA 70583 (3) 237-4775

☐ 1511 E. Orangethorpe Avenue, Fullerton, CA 9263 4) 447-6868

SPL Fullerton Environmental Laboratory
Sample Receiving Checklist

SPL Workorder Number: 9703017

Date: 3/3/97 Time: 1810

	Yes	No	N/A
1. Chain of Custody Record Present?	✓	*	
2. Chain of Custody Record Properly Completed?	✓	*	
3. Custody Seals on Shipping Container?	✓		
4. Custody Seals on Sample Container?		✓	
5. All Custody Seals Intact?	✓	*	
6. All Samples Received Intact?	✓	*	
7. All Samples Labeled Correctly?	✓	*	
8. Samples are Chilled at 2°C - 6°C	✓	*	

* See Non-Conformance / Sample Condition Notification Form only if box with "*" is checked.

Internal Temperature of Shipping Container 2.0 °C

Samples Were Delivered by:

SPL Courier	C. Palma
Client Representative	
Federal Express	
UPS	
DHL	
Other:	

All samples will be disposed 30 days from the report date for this workorder, unless otherwise specified by the client.

Samples Checked by: [signature]

I:\data\forms\loginchk.wpd

SPL

8880 Interchange Drive, Houston, Texas 77054 713/660-0901

INTEROFFICE SAMPLE TRANSFER
CHAIN-OF-CUSTODY FORM

PAGE 1 OF 1

ORIGINATING LAB: Fullerton RECEIVING LAB: TX/MI/LA DATE: 3-6-97

ATTENTION: Brent Barron/Gary Byar REPORT RESULTS TO: Mike Crisostomo -Diane Suzuki

REPORT RESULTS BY: [X] VERBAL [ ] WRITTEN [X] FAX FAX# EDT

CLIENT NAME: Montgomery Watson PROJECT #: 9703017 DATE NEEDED: 3/11/97

HEADING FOR ANALYSIS:	INVOICE TO:
COMPANY: Montgomery Watson	COMPANY: SPL Fullerton
ADDRESS:	ADDRESS:
ATTN:	ATTN: Mike Crisostomo Diane Suzuki

SAMPLE NO. IDENTIFICATION	DATE/TIME COLLECTED	LAB SAMPLE NUMBER	SAMPLE MATRIX	ANALYSES REQUESTED	QUOTE PRIC
	3/3/97 9:40	9703017-02B	Soil	PCBS/PRPGP	$65.00
	↓ 11:45	↓ -09B	↓	↓	

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
1. [signature]	3/6/97	17:09	[signature]	3/8/97	0945
2.			4°C ROI, intact		

NOTES: Fed Ex: 3925303803

BOE-C6-0144191

SPL Houston Environmental Laboratory

Sample Login Checklist

Date:	Time:
3-8-97	0945

SPL Sample ID:
97-03-366

			Yes	No
1	Chain-of-Custody (COC) form is present.		✓	
2	COC is properly completed.		✓	
3	If no, Non-Conformance Worksheet has been completed.			
4	Custody seals are present on the shipping container.		✓	
5	If yes, custody seals are intact.		✓	
	All samples are tagged or labeled.		✓	
	If no, Non-Conformance Worksheet has been completed.			
8	Sample containers arrived intact		✓	
9	Temperature of samples upon arrival:		4° C	
10	Method of sample delivery to SPL:	SPL Delivery		
		Client Delivery		
		FedEx Delivery (airbill #)	3925303803	
		Other:		
11	Method of sample disposal:	SPL Disposal	✓	
		HOLD		
		Return to Client		

Name:	Date:
[illegible]	3-8-97

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Montgomery Watson
ATTN: Mr. Fred Strauss
250 N. Madison Ave.
Pasadena, CA 91101

Client Project ID: McDonnell Douglas
Client Project #: 1206035-01090010

Sample Description: Soil, B37-GS-59-6'
Laboratory Sample Number: 97030684
Laboratory Reference #: MWI 8710

Sampled: 03-03-97
Received: 03-17-97
Analyzed: 03-17-97
Reported: 03-24-97

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	***CAS NUMBER***	***DETECTION LIMIT (ug/kg)***	***SAMPLE RESULT (ug/kg)***
Benzene	71-43-2	2.5	N.D.
Bromodichloromethane	75-27-4	2.5	N.D.
Bromoform	75-25-2	2.5	N.D.
Bromomethane	74-83-9	2.5	N.D.
Carbon Disulfide	75-15-0	5.0	N.D.
Carbon tetrachloride	56-23-5	2.5	N.D.
Chlorobenzene	108-90-7	2.5	N.D.
Chlorodibromomethane	124-48-1	2.5	N.D.
Chloroethane	75-00-3	2.5	N.D.
2-Chloroethyl vinyl ether	110-75-8	5.0	N.D.
Chloroform	67-66-3	2.5	N.D.
Chloromethane	74-87-3	2.5	N.D.
1,1-Dichloroethane	75-35-3	2.5	N.D.
1,2-Dichloroethane	107-06-2	2.5	N.D.
1,1-Dichloroethene	75-35-4	2.5	N.D.
Trans 1,2-Dichloroethene	156-60-5	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
cis-1,3-Dichloropropene	10061-01-5	2.5	N.D.
trans-1,3-Dichloropropene	10061-02-6	2.5	N.D.
Ethylbenzene	100-41-4	2.5	N.D.
Methylene chloride	75-09-2	5.0	N.D.
Styrene	100-42-5	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
Tetrachloroethene	127-18-4	2.5	N.D.
Toluene	108-88-3	2.5	N.D.
1,1,1-Trichloroethane	71-55-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
Trichloroethene	79-01-6	2.5	N.D.
Trichlorofluoromethane	75-69-4	5.0	N.D.
Vinyl acetate	108-05-4	5.0	N.D.
Vinyl chloride	75-01-4	2.5	N.D.
Total Xylenes	1330-20-7	2.5	N.D.
Dichlorofluoromethane	75-71-8	2.5	N.D.
cis-1-2,-Dichloroethane	156-59-4	2.5	N.D.
2,2-Dichloropropane	590-20-7	2.5	N.D.
Bromochloromethane	74-97-5	2.5	N.D.
1,1-Dichloropropene	563-58-6	2.5	N.D.
1,2-Dichloropropane	78-87-5	2.5	N.D.
Dibromomethane	74-95-3	2.5	N.D.
trans-1,3-Dichloropropane	10061-02-6	2.5	N.D.
1,1,2-Trichloroethane	79-00-5	2.5	N.D.
1,2-Dibromoethane	106-93-4	2.5	N.D.

ORANGE COAST ANALYTICAL, INC.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (602) 736-0960 Fax (602) 736-0970

Sample Description: Soil, B37-GS-59-6'

Laboratory Sample Number: 97030684

Volatile Organics by GC/MS (EPA 8260)

ANALYTE	*CAS NUMBER*	*DETECTION LIMIT (ug/kg)*	*SAMPLE RESULT (ug/kg)*
1,3-Dichloropropane	142-28-9	2.5	N.D.
Dibromochloromethane	124-48-1	2.5	N.D.
Isopropylbenzene	98-82-8	2.5	N.D.
1,1,2,2-Tetrachloroethane	79-34-5	2.5	N.D.
1,2,3-Trichloropropane	96-18-4	2.5	N.D.
Bromobenzene	108-86-1	2.5	N.D.
n-Propylbenzene	103-65-1	2.5	N.D.
2-Chlorotoluene	95-49-8	2.5	N.D.
1,3,5-Trimethylbenzene	108-67-8	2.5	N.D.
4-Chlorotoluene	106-43-4	2.5	N.D.
tert-Butylbenzene	98-06-6	2.5	N.D.
1,2,4-Trimethylbenzene	95-63-6	2.5	N.D.
sec-Butylbenzene	135-98-8	2.5	N.D.
4-Isopropyltoluene	99-87-6	2.5	N.D.
1,3-Dichlorobenzene	541-73-1	2.5	N.D.
1,4-Dichlorobenzene	106-46-7	2.5	N.D.
n-Butylbenzene	104-51-8	2.5	N.D.
1,2-Dichlorobenzene	95-50-1	2.5	N.D.
1-2-Dibromo-2-CPA	96-12-8	5.0	N.D.
1,2,4-Trichlorobenzene	120-82-1	2.5	N.D.
Hexachlorobutadiene	87-68-3	2.5	N.D.
Naphthalene	91-20-3	2.5	N.D.
1,2,3-Trichlorobenzene	87-61-6	2.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

ORANGE COAST ANALYTICAL

Mark Noorani
Laboratory Director

Surrogate Recoveries	*%*
Dibromofluoromethane	*108*
Toluene-d8	*93*
4-Bromofluorobenbzene	*87*