



Soil Remediation Activities Report
Former Ransome Property
Yerba Buena Project Site
Emeryville, California

December 21, 1992
1649.07

VOLUME III OF III
(Appendices J through O)

Prepared for:
Catellus Development Corporation
201 Mission Street
San Francisco, California



LEVINE·FRICKE

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**LABORATORY CERTIFICATES - IMPORTED FILL MATERIALS USED BY AQUA
RESOURCES, INC.**



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 08/12/91

DATE REPORTED: 08/19/91

LABORATORY NUMBER: 104806

CLIENT: AQUA RESOURCES, INC.

AQUA RESOURCES, INC.
RECEIVED

AUG 19 1991


JOB NO. _____

FILE _____

PROJECT ID: 90239.3

LOCATION: RANSOME

RESULTS: SEE ATTACHED



QA/QC Approval



Final Approval

Berkeley

Wilmington

Los Angeles ✓

Client: Aqua Resources

Laboratory Login Number: 104806

Project Name: Ransome

Report Date: 19 August 91

Project Number: 90239.3

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric) METHOD: SMWW 17:5520EF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
104806-001	PC-FILL-5	Soil	12-AUG-91	12-AUG-91	15-AUG-91	ND	mg/Kg	50	TR	2346

ND = Not Detected at or above Reporting Limit (RL).



Q C B a t c h R e p o r t

Client: Aqua Resources
Project Name: Ransome
Project Number: 90239.3

Laboratory Login Number: 104806
Report Date: 19 August 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 2346

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	50	mg/Kg	SMWW 17:5520EF	15-AUG-91

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	85%	SMWW 17:5520EF	15-AUG-91
BSD	86%	SMWW 17:5520EF	15-AUG-91

		Control Limits
Average Spike Recovery	86%	80% - 120%
Relative Percent Difference	1.6%	< 20%

LABORATORY NUMBER: 104806
 CLIENT: AQUA RESOURCES, INC.
 PROJECT ID: 90239.3
 LOCATION: RANSOME

DATE RECEIVED: 08/12/91
 DATE ANALYZED: 08/15/91
 DATE REPORTED: 08/19/91

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
 California DOHS Method
 LUFT Manual October 1989

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	REPORTING LIMIT (mg/Kg)
104806-1	PC-FILL-5	ND	1.0

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	1
RECOVERY, %	95



LABORATORY NUMBER: 104806
CLIENT: AQUA RESOURCES, INC.
PROJECT ID: 90239.3
LOCATION: RANSOME

DATE RECEIVED: 08/12/91
DATE EXTRACTED: 08/13/91
DATE ANALYZED: 08/16/91
DATE REPORTED: 08/16/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
104806-1	PC-FILL-5	ND	1.4	1.0

ND = Not detected at or above reporting limit.

*Reporting limit applies to all analytes.

QA/QC SUMMARY

RECOVERY, %

94

LABORATORY NUMBER: 104806-1
 CLIENT: AQUA RESOURCES, INC.
 PROJECT ID: 90239.3
 LOCATION: RANSOME
 SAMPLE ID: PC-FILL-5

DATE RECEIVED: 08/12/91
 DATE ANALYZED: 08/15/91
 DATE REPORTED: 08/16/91

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES
 Extraction Method: EPA 5030 - Purge & Trap

COMPOUND	Result ug/kg	Reporting Limit (ug/kg)
chloromethane	ND	10
bromomethane	ND	10
vinyl chloride	ND	10
chloroethane	ND	10
methylene chloride	ND	5.0
acetone	ND	10
carbon disulfide	ND	5.0
trichlorofluoromethane	ND	5.0
1,1-dichloroethene	ND	5.0
1,1-dichloroethane	ND	5.0
cis-1,2-dichloroethene	ND	5.0
trans-1,2-dichloroethene	ND	5.0
chloroform	ND	5.0
freon 113	ND	5.0
1,2-dichloroethane	ND	5.0
2-butanone	ND	10
1,1,1-trichloroethane	ND	5.0
carbon tetrachloride	ND	5.0
vinyl acetate	ND	10
bromodichloromethane	ND	5.0
1,2-dichloropropane	ND	5.0
cis-1,3-dichloropropene	ND	5.0
trichloroethylene	ND	5.0
dibromochloromethane	ND	5.0
1,1,2-trichloroethane	ND	5.0
benzene	ND	5.0
trans-1,3-dichloropropene	ND	5.0
2-chloroethylvinyl ether	ND	10
bromoform	ND	5.0
2-hexanone	ND	10
4-methyl-2-pentanone	ND	10
1,1,2,2-tetrachloroethane	ND	5.0
tetrachloroethylene	ND	5.0
toluene	ND	5.0
chlorobenzene	ND	5.0
ethyl benzene	ND	5.0
styrene	ND	5.0
total xylenes	ND	5.0

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	97 %
Toluene-d8	100 %
Bromofluorobenzene	95 %



LABORATORY NUMBER: 104806-1
 CLIENT: AQUA RESOURCES, INC.
 PROJECT ID: 90239.3
 LOCATION: RANSOME
 SAMPLE ID: PC-FILL-5

DATE RECEIVED: 08/12/91
 DATE ANALYZED: 08/14-16/91
 DATE REPORTED: 08/19/91

Title 26 Metals in Soils & Wastes
 Digestion Method: EPA 3050

METAL	RESULT mg / Kg	REPORTING LIMIT mg / Kg	METHOD
Antimony	ND	3.0	EPA 6010
Arsenic	3.4	2.5	EPA 7060
Barium	208	0.50	EPA 6010
Beryllium	0.29	0.10	EPA 6010
Cadmium	ND	0.25	EPA 6010
Chromium (total)	30.5	0.50	EPA 6010
Cobalt	17.8	0.90	EPA 6010
Copper	48.5	0.50	EPA 6010
Lead	9.5	3.0	EPA 7420
Mercury	ND	0.10	EPA 7471
Molybdenum	ND	0.70	EPA 6010
Nickel	37.5	1.6	EPA 6010
Selenium	ND	2.5	EPA 7740
Silver	ND	0.50	EPA 6010
Thallium	ND	2.5	EPA 7841
Vanadium	55.6	0.50	EPA 6010
Zinc	68.8	1.0	EPA 6010

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

	RPD, %	RECOVERY, %		RPD, %	RECOVERY, %
Antimony	<1	92	Mercury	4	95
Arsenic	2	96	Molybdenum	2	102
Barium	<1	100	Nickel	4	95
Beryllium	<1	98	Selenium	7	105
Cadmium	7	96	Silver	<1	90
Chromium	1	100	Thallium	<1	100
Cobalt	<1	96	Vanadium	1	96
Copper	8	100	Zinc	9	100
Lead	1	100			

104804

AQUA RESOURCES, INC.

SHIPMENT NO.: 42



CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NAME: RANSOME

DATE 8/12/91

PROJECT NO.: 90239.3

Sample Number	Location (Depth)	Type of Sample		Type of Container	Type of Preservation		Analysis Required
		Material	Method		Temp	Chemical	
LS-19	5 1/2	Soil	Drive	Brass Tube	±4°C		1, 2 *
LB-20	10 1/2	"	"	"	"		2 *
LW-21	6	"	"	"	"		1, 2 *
LS-22	3 1/2	"	"	"	"		2 *
LN-23	6 1/2	"	"	"	"		1, 2 *
PC-FILL-5	-	"	"	"	"		4
(S/N) 114510							

Total Number of Samples Shipped: 6 Sampler's Signature: [Signature]

Relinquished By: Signature: <u>[Signature]</u> Printed Name: <u>Aaron D. Stessman</u> Company: <u>Aqua Resources</u> Reason: <u>For Analysis</u>	Received By: Signature: <u>[Signature]</u> Printed Name: <u>Louinda Browner</u> Company: <u>CT-Radco</u>	Date: <u>8/12/91</u> Time: <u>16:35</u>
Relinquished By: Signature: _____ Printed Name: _____ Company: _____ Reason: _____	Received By: Signature: _____ Printed Name: _____ Company: _____	Date: <u>1/1</u> Time: _____

REMARKS:

① = TVHG + BTEX ④ = TVHG + BTEX, TPHD, O&G, CAM 17 metals, and EPA 8240

② = TPHD

③ = O&G

* = 24 hr rush

* Others are normal 5 day turnaround.

Special Handling / Storage Requirements:



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710. Phone (415) 486-0900

DATE RECEIVED: 08/01,05/91
DATE REPORTED: 08/12/91


LABORATORY NUMBER: 104716

CLIENT: AQUA RESOURCES


PROJECT ID: 90239.3

LOCATION: RANSOME

RESULTS: SEE ATTACHED



QA/QC Approval



Final Approval

Berkeley

Wilmington

Los Angeles

Client: Aqua Resources

Laboratory Login Number: 104716

 Project Name: Ransome
 Project Number: 90239.3

Report Date: 12 August 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

METHOD: SMWW 17:5520EF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
104716-001	PC-FILL-1	Soil	01-AUG-91	01-AUG-91	07-AUG-91	ND	mg/Kg	50	TR	2264
104716-002	PC-FILL-2	Soil	05-AUG-91	05-AUG-91	07-AUG-91	ND	mg/Kg	50	TR	2264

ND = Not Detected at or above Reporting Limit (RL).



Q C B a t c h R e p o r t

Client: Aqua Resources
Project Name: Ransome
Project Number: 90239.3

Laboratory Login Number: 104716
Report Date: 12 August 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 2264

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	50	mg/Kg	SMWW 17:5520EF	07-AUG-91

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	91%	SMWW 17:5520EF	07-AUG-91
BSD	93%	SMWW 17:5520EF	07-AUG-91

Average Spike Recovery
Relative Percent Difference

92%
2.1%

Control Limits
80% - 120%
< 20%

LABORATORY NUMBER: 104716
 CLIENT: AQUA RESOURCES
 PROJECT #: 90239.3
 LOCATION: RANSOME

DATE RECEIVED: 08/01,05/91
 DATE REQUESTED: 08/05/91
 DATE ANALYZED: 08/07/91
 DATE REPORTED: 08/12/91

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
 California DOHS Method
 LUFT Manual October 1989

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	REPORTING LIMIT (mg/Kg)
104716-1	PC-FILL-1	ND	1.0
104716-2	PC-FILL-2	ND	1.0

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	6
RECOVERY, %	95



LABORATORY NUMBER: 104716
CLIENT: AQUA RESOURCES
PROJECT ID: 90239.3
LOCATION: RANSOME

DATE RECEIVED: 08/01,05/91
DATE REQUESTED: 08/05/91
DATE EXTRACTED: 08/06/91
DATE ANALYZED: 08/08/91
DATE REPORTED: 08/12/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
104716-1	PC-FILL-1	ND	ND	1.0
104716-2	PC-FILL-2	ND	1.3	1.0

ND = Not Detected at or above reporting limit.

*Reporting limit applies to all analytes.

QA/QC SUMMARY

RPD, %	14
RECOVERY, %	92

LABORATORY NUMBER: 104716-1
 CLIENT: AQUA RESOURCES
 PROJECT ID: 90239.3
 SAMPLE ID: PC-FILL-1

 DATE RECEIVED: 08/01/05/91
 DATE REQUESTED: 08/05/91
 DATE ANALYZED: 08/10/91
 DATE REPORTED: 08/12/91

 EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES
 Extraction Method: EPA 5030 - Purge & Trap

COMPOUND	Result ug/kg	Reporting Limit (ug/kg)
chloromethane	ND	10
bromomethane	ND	10
vinyl chloride	ND	10
chloroethane	ND	10
methylene chloride	6.8	5.0
acetone	ND	10
carbon disulfide	ND	5.0
trichlorofluoromethane	ND	5.0
1,1-dichloroethene	ND	5.0
1,1-dichloroethane	ND	5.0
cis-1,2-dichloroethene	ND	5.0
trans-1,2-dichloroethene	ND	5.0
chloroform	ND	5.0
freon 113	ND	5.0
1,2-dichloroethane	ND	5.0
2-butanone	ND	10
1,1,1-trichloroethane	ND	5.0
carbon tetrachloride	ND	5.0
vinyl acetate	ND	10
bromodichloromethane	ND	5.0
1,2-dichloropropane	ND	5.0
cis-1,3-dichloropropene	ND	5.0
trichloroethylene	ND	5.0
dibromochloromethane	ND	5.0
1,1,2-trichloroethane	ND	5.0
benzene	ND	5.0
trans-1,3-dichloropropene	ND	5.0
2-chloroethylvinyl ether	ND	10
bromoform	ND	5.0
2-hexanone	ND	10
4-methyl-2-pentanone	ND	10
1,1,2,2-tetrachloroethane	ND	5.0
tetrachloroethylene	ND	5.0
toluene	ND	5.0
chlorobenzene	ND	5.0
ethyl benzene	ND	5.0
styrene	ND	5.0
total xylenes	ND	5.0

*Approx. result
196 based on this report
most likely by lab center*

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	107 %
Toluene-d8	107 %
Bromofluorobenzene	95 %

LABORATORY NUMBER: 104716-2
 CLIENT: AQUA RESOURCES
 PROJECT ID: 90239.3
 SAMPLE ID: PC-FILL-2

DATE RECEIVED: 08/01/05/91
 DATE REQUESTED: 08/05/91
 DATE ANALYZED: 08/10/91
 DATE REPORTED: 08/12/91

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES
 Extraction Method: EPA 5030 - Purge & Trap

COMPOUND	Result ug/kg	Reporting Limit (ug/kg)
chloromethane	ND	10
bromomethane	ND	10
vinyl chloride	ND	10
chloroethane	ND	10
methylene chloride	ND	5.0
acetone	ND	10
carbon disulfide	ND	5.0
trichlorofluoromethane	ND	5.0
1,1-dichloroethene	ND	5.0
1,1-dichloroethane	ND	5.0
cis-1,2-dichloroethene	ND	5.0
trans-1,2-dichloroethene	ND	5.0
chloroform	ND	5.0
freon 113	ND	5.0
1,2-dichloroethane	ND	5.0
2-butanone	ND	10
1,1,1-trichloroethane	ND	5.0
carbon tetrachloride	ND	5.0
vinyl acetate	ND	10
bromodichloromethane	ND	5.0
1,2-dichloropropane	ND	5.0
cis-1,3-dichloropropene	ND	5.0
trichloroethylene	ND	5.0
dibromochloromethane	ND	5.0
1,1,2-trichloroethane	ND	5.0
benzene	ND	5.0
trans-1,3-dichloropropene	ND	5.0
2-chloroethylvinyl ether	ND	10
bromoform	ND	5.0
2-hexanone	ND	10
4-methyl-2-pentanone	ND	10
1,1,2,2-tetrachloroethane	ND	5.0
tetrachloroethylene	ND	5.0
toluene	ND	5.0
chlorobenzene	ND	5.0
ethyl benzene	ND	5.0
styrene	ND	5.0
total xylenes	ND	5.0

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	104 %
Toluene-d8	102 %
Bromofluorobenzene	101 %

LABORATORY NUMBER: 104716-1
 CLIENT: AQUA RESOURCES
 PROJECT ID: 90239.3
 LOCATION: RANSOME
 SAMPLE ID: PC-FILL-1

DATE RECEIVED: 08/01,05/91
 DATE REQUESTED: 08/05/91
 DATE ANALYZED: 08/07/91
 DATE REPORTED: 08/12/91

Title 26 Metals in Soils & Wastes
 Digestion Method: EPA 3050

METAL	RESULT mg/Kg	REPORTING LIMIT mg/Kg	METHOD
Antimony	3.4	3.0	EPA 6010
Arsenic	ND	2.5	EPA 7060
Barium	146	0.50	EPA 6010
Beryllium	0.70	0.10	EPA 6010
Cadmium	ND	0.25	EPA 6010
Chromium (total)	44.3	0.50	EPA 6010
Cobalt	19.3	0.90	EPA 6010
Copper	55.6	0.50	EPA 6010
Lead	5.5	3.0	EPA 7420
Mercury	ND	0.10	EPA 7471
Molybdenum	ND	0.70	EPA 6010
Nickel	50.4	1.6	EPA 6010
Selenium	ND	2.5	EPA 7740
Silver	ND	0.50	EPA 6010
Thallium	ND	2.5	EPA 7841
Vanadium	55.2	0.50	EPA 6010
Zinc	80.4	1.0	EPA 6010

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

	RPD, %	RECOVERY, %		RPD, %	RECOVERY, %
Antimony	<1	90	Mercury	13	108
Arsenic	1	94	Molybdenum	3	101
Barium	<1	104	Nickel	1	94
Beryllium	<1	107	Selenium	5	104
Cadmium	<1	93	Silver	2	88
Chromium	<1	101	Thallium	4	113
Cobalt	1	100	Vanadium	<1	103
Copper	2	102	Zinc	2	97
Lead	<1	98			



LABORATORY NUMBER: 104716-2
CLIENT: AQUA RESOURCES
PROJECT ID: 90239.3
LOCATION: RANSOME
SAMPLE ID: PC-FILL-2

DATE RECEIVED: 08/01/05/91
DATE REQUESTED: 08/05/91
DATE ANALYZED: 08/07/91
DATE REPORTED: 08/12/91

Title 26 Metals in Soils & Wastes
Digestion Method: EPA 3050

METAL	RESULT mg /Kg	REPORTING LIMIT mg /Kg	METHOD
Antimony	ND	3.0	EPA 6010
Arsenic	ND	2.5	EPA 7060
Barium	143	0.50	EPA 6010
Beryllium	0.53	0.10	EPA 6010
Cadmium	ND	0.25	EPA 6010
Chromium (total)	47.9	0.50	EPA 6010
Cobalt	19.2	0.90	EPA 6010
Copper	57.2	0.50	EPA 6010
Lead	ND	3.0	EPA 7420
Mercury	ND	0.10	EPA 7471
Molybdenum	ND	0.70	EPA 6010
Nickel	53.5	1.6	EPA 6010
Selenium	ND	2.5	EPA 7740
Silver	ND	0.50	EPA 6010
Thallium	ND	2.5	EPA 7841
Vanadium	46.7	0.50	EPA 6010
Zinc	76.4	1.0	EPA 6010

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

	RPD, %	RECOVERY, %		RPD, %	RECOVERY, %
Antimony	<1	90	Mercury	13	108
Arsenic	1	94	Molybdenum	3	101
Barium	<1	104	Nickel	1	94
Beryllium	<1	107	Selenium	5	104
Cadmium	<1	93	Silver	2	88
Chromium	<1	101	Thallium	4	113
Cobalt	1	100	Vanadium	<1	103
Copper	2	102	Zinc	2	97
Lead	<1	98			



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 08/06/91
DATE REPORTED: 08/13/91

AQUA RESOURCES, INC
RECEIVED

AUG 13 1991

LABORATORY NUMBER: 104729


JOB NO. _____
FILE _____

CLIENT: AQUA RESOURCES, INC.


PROJECT ID: 90239.3

LOCATION: RANSOME

RESULTS: SEE ATTACHED



QA/QC Approval



Final Approval

Berkeley

Wilmington

Los Angeles

Client: Aqua Resources

Laboratory Login Number: 104729

 Project Name: Ransome
 Project Number: 90239.3

Report Date: 13 August 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric) METHOD: SMWW 17:5520EF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
104729-001	PC-FILL-3	Soil	06-AUG-91	06-AUG-91	07-AUG-91	ND	mg/Kg	50	TR	2264

ND = Not Detected at or above Reporting Limit (RL).

Q C B a t c h R e p o r t

 Client: Aqua Resources
 Project Name: Ransome
 Project Number: 90239.3

 Laboratory Login Number: 104729
 Report Date: 13 August 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 2264

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	50	mg/Kg	SMWW 17:5520EF	07-AUG-91

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	91%	SMWW 17:5520EF	07-AUG-91
BSD	93%	SMWW 17:5520EF	07-AUG-91

		Control Limits
Average Spike Recovery	92%	80% - 120%
Relative Percent Difference	2.1%	< 20%



LABORATORY NUMBER: 104729
CLIENT: AQUA RESOURCES, INC.
PROJECT ID: 90239.3
LOCATION: RANSOME

DATE RECEIVED: 08/06/91
DATE ANALYZED: 08/10/91
DATE REPORTED: 08/13/91

Total Volatile Hydrocarbons with BTXE in Soils and Wastes
TVH by California DOHS Method/LUFT Manual October 1989
BTXE by EPA 5030/8020

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
104729-1	PC-FILL-3	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	1
RECOVERY, %	96

LABORATORY NUMBER: 104729
 CLIENT: AQUA RESOURCES, INC.
 PROJECT ID: 90239.3
 LOCATION: RANSOME

DATE RECEIVED: 08/06/91
 DATE EXTRACTED: 08/07/91
 DATE ANALYZED: 08/09/91
 DATE REPORTED: 08/13/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
 California DOHS Method
 LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
104729-1	PC-FILL-3	ND	ND	1.0

ND = Not Detected at or above reporting limit.

*Reporting limit applies to all analytes.

QA/QC SUMMARY

RPD, %	13
RECOVERY, %	100

LABORATORY NUMBER: 104729-1
 CLIENT: AQUA RESOURCES, INC.
 PROJECT ID: 90239.3
 LOCATION: RANSOME
 SAMPLE ID: PC-FILL-3

DATE RECEIVED: 08/06/91
 DATE ANALYZED: 08/12/91
 DATE REPORTED: 08/13/91

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES
 Extraction Method: EPA 5030 - Purge & Trap

COMPOUND	Result ug/kg	Reporting Limit (ug/kg)
chloromethane	ND	10
bromomethane	ND	10
vinyl chloride	ND	10
chloroethane	ND	10
methylene chloride	ND	5.0
acetone	ND	10
carbon disulfide	ND	5.0
trichlorofluoromethane	ND	5.0
1,1-dichloroethene	ND	5.0
1,1-dichloroethane	ND	5.0
cis-1,2-dichloroethene	ND	5.0
trans-1,2-dichloroethene	ND	5.0
chloroform	ND	5.0
freon 113	ND	5.0
1,2-dichloroethane	ND	5.0
2-butanone	ND	10
1,1,1-trichloroethane	ND	5.0
carbon tetrachloride	ND	5.0
vinyl acetate	ND	10
bromodichloromethane	ND	5.0
1,2-dichloropropane	ND	5.0
cis-1,3-dichloropropene	ND	5.0
trichloroethylene	ND	5.0
dibromochloromethane	ND	5.0
1,1,2-trichloroethane	ND	5.0
benzene	ND	5.0
trans-1,3-dichloropropene	ND	5.0
2-chloroethylvinyl ether	ND	10
bromoform	ND	5.0
2-hexanone	ND	10
4-methyl-2-pentanone	ND	10
1,1,2,2-tetrachloroethane	ND	5.0
tetrachloroethylene	ND	5.0
toluene	ND	5.0
chlorobenzene	ND	5.0
ethyl benzene	ND	5.0
styrene	ND	5.0
total xylenes	ND	5.0

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	98 %
Toluene-d8	102 %
Bromofluorobenzene	107 %

LABORATORY NUMBER: 104729-1
 CLIENT: AQUA RESOURCES, INC.
 PROJECT ID: 90239.3
 LOCATION: RANSOME
 SAMPLE ID: PC-FILL-3

DATE RECEIVED: 08/06/91
 DATE ANALYZED: 08/07-12/91
 DATE REPORTED: 08/13/91

Title 26 Metals in Soils & Wastes
 Digestion Method: EPA 3050

METAL	RESULT mg /Kg	REPORTING LIMIT mg /Kg	METHOD
Antimony	ND	3.0	EPA 6010
Arsenic	ND	2.5	EPA 7060
Barium	154	0.50	EPA 6010
Beryllium	0.45	0.10	EPA 6010
Cadmium	ND	0.25	EPA 6010
Chromium (total)	50.1	0.50	EPA 6010
Cobalt	19.0	0.90	EPA 6010
Copper	62.1	0.50	EPA 6010
Lead	4.9	3.0	EPA 7420
Mercury	ND	0.10	EPA 7471
Molybdenum	ND	0.70	EPA 6010
Nickel	59.1	1.6	EPA 6010
Selenium	ND	2.5	EPA 7740
Silver	ND	0.50	EPA 6010
Thallium	ND	2.5	EPA 7841
Vanadium	51.5	0.50	EPA 6010
Zinc	81.5	1.0	EPA 6010

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

	RPD, %	RECOVERY, %		RPD, %	RECOVERY, %
Antimony	1	95	Mercury	8	106
Arsenic	3	93	Molybdenum	2	103
Barium	<1	102	Nickel	1	99
Beryllium	<1	102	Selenium	5	85
Cadmium	5	96	Silver	<1	85
Chromium	2	103	Thallium	2	107
Cobalt	2	100	Vanadium	<1	98
Copper	1	100	Zinc	1	98
Lead	3	101			

AQUA RESOURCES, INC.

SHIPMENT NO.: 38

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

104728

DATE 8/6/91

PROJECT NAME: RANSOME

PROJECT NO.: 90239.3

Sample Number	Location (Depth)	Type of Sample		Type of Container	Type of Preservation		Analysis Required
		Material	Method		Temp	Chemical	
KS-12	9'	Soil	Drive	Brass Tube	±4°C		① *
PC-FILL-3	-	"	"	"	"		②
<p>104729</p>							

Total Number of Samples Shipped: 2 Sampler's Signature: *[Signature]*

Relinquished By: *[Signature]*
 Signature: *[Signature]*
 Printed Name: Aaron N. Stessman
 Company: Aqua Resources
 Reason: For Analysis

Received By: *[Signature]*
 Signature: *[Signature]*
 Printed Name: Nohal Wilson
 Company: COTLAW
 Date: 8/6/91
 Time: 3:45

Relinquished By:
 Signature _____
 Printed Name _____
 Company _____
 Reason _____

Received By:
 Signature _____
 Printed Name _____
 Company _____
 Date: / /
 Time: .

REMARKS:
 ① = 8010, TVH, TPHD
 ② = 8240, TVH + BTEX, TPHD, O&G, CAM 17 Metals
 * = 48 hr. turnaround

Special Shipment / Handling / Storage Requirements:



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 08/08/91
DATE REPORTED: 08/15/91

LABORATORY NUMBER: 104772

CLIENT: AQUA RESOURCES, INC.

AQUA RESOURCES, INC
RECEIVED
AUG 19 1991

PROJECT ID: 90239.3

LOCATION: RANSOME

JOB NO. _____
FILE _____

RESULTS: SEE ATTACHED

QA/QC Approval

Final Approval



LABORATORY NUMBER: 104772
CLIENT: AQUA RESOURCES, INC.
PROJECT ID: 90239.3
LOCATION: RANSOME

DATE RECEIVED: 08/08/91
DATE ANALYZED: 08/10/91
DATE REPORTED: 08/15/91

Total Volatile Hydrocarbons with BTXE in Soils and Wastes
TVH by California DOHS Method/LUFT Manual October 1989
BTXE by EPA 5030/8020

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
104772-1	PC-FIIL-4	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	1
RECOVERY, %	96

LABORATORY NUMBER: 104772
 CLIENT: AQUA RESOURCES, INC.
 PROJECT ID: 90239.3
 LOCATION: RANSOME

DATE RECEIVED: 08/08/91
 DATE EXTRACTED: 08/09/91
 DATE ANALYZED: 08/15/91
 DATE REPORTED: 08/15/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
 California DOHS Method
 LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT (mg/Kg)
104772-1	PC-FILL-4	ND	3.8*	1.0
104772-6	SP-ADJ-1,2,3,4	ND	69*	10
104772-11	SP-ADJ-5,6,7,8	ND	65*	10

*Sample chromatographic pattern does not match standard.

ND = Not Detected at or above reporting limit.

Reporting limit applies to all analytes.

QA/QC SUMMARY

RPD, %	5
RECOVERY, %	83



LABORATORY NUMBER: 104772-1
CLIENT: AQUA RESOURCES, INC.
PROJECT ID: 90239.3
LOCATION: RANSOME
SAMPLE ID: PC-FILL-4

DATE RECEIVED: 08/08/91
DATE ANALYZED: 08/12/91
DATE REPORTED: 08/15/91

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES
Extraction Method: EPA 5030 - Purge & Trap

COMPOUND	Result ug/kg	Reporting Limit (ug/kg)
chloromethane	ND	10
bromomethane	ND	10
vinyl chloride	ND	10
chloroethane	ND	10
methylene chloride	ND	5.0
acetone	ND	10
carbon disulfide	ND	5.0
trichlorofluoromethane	ND	5.0
1,1-dichloroethene	ND	5.0
1,1-dichloroethane	ND	5.0
cis-1,2-dichloroethene	ND	5.0
trans-1,2-dichloroethene	ND	5.0
chloroform	ND	5.0
freon 113	ND	5.0
1,2-dichloroethane	ND	5.0
2-butanone	ND	10
1,1,1-trichloroethane	ND	5.0
carbon tetrachloride	ND	5.0
vinyl acetate	ND	10
bromodichloromethane	ND	5.0
1,2-dichloropropane	ND	5.0
cis-1,3-dichloropropene	ND	5.0
trichloroethylene	ND	5.0
dibromochloromethane	ND	5.0
1,1,2-trichloroethane	ND	5.0
benzene	ND	5.0
trans-1,3-dichloropropene	ND	5.0
2-chloroethylvinyl ether	ND	10
bromoform	ND	5.0
2-hexanone	ND	10
4-methyl-2-pentanone	ND	10
1,1,2,2-tetrachloroethane	ND	5.0
tetrachloroethylene	ND	5.0
toluene	ND	5.0
chlorobenzene	ND	5.0
ethyl benzene	ND	5.0
styrene	ND	5.0
total xylenes	ND	5.0

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	96 %
Toluene-d8	99 %
Bromofluorobenzene	107 %

LABORATORY NUMBER: 104772-1
 CLIENT: AQUA RESOURCES, INC.
 PROJECT ID: 90239.3
 LOCATION: RANSOME
 SAMPLE ID: PC-FILL-4

DATE RECEIVED: 08/08/91
 DATE ANALYZED: 08/10-12/91
 DATE REPORTED: 08/15/91

Title 26 Metals in Soils & Wastes
 Digestion Method: EPA 3050

METAL	RESULT mg / Kg	REPORTING LIMIT mg / Kg	METHOD
Antimony	4.5	3.0	EPA 6010
Arsenic	ND	2.5	EPA 7060
Barium	147	0.25	EPA 6010
Beryllium	0.58	0.10	EPA 6010
Cadmium	ND	0.25	EPA 6010
Chromium (total)	53.0	0.50	EPA 6010
Cobalt	19.3	0.90	EPA 6010
Copper	58.4	0.50	EPA 6010
Lead	7.8	3.0	EPA 7420
Mercury	ND	0.10	EPA 7471
Molybdenum	ND	0.70	EPA 6010
Nickel	61.6	1.6	EPA 6010
Selenium	ND	2.5	EPA 7740
Silver	ND	0.50	EPA 6010
Thallium	ND	2.5	EPA 7841
Vanadium	52.7	0.50	EPA 6010
Zinc	77.9	0.50	EPA 6010

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

	RPD, %	RECOVERY, %		RPD, %	RECOVERY, %
Antimony	<1	94	Mercury	8	106
Arsenic	3	93	Molybdenum	<1	103
Barium	<1	101	Nickel	3	98
Beryllium	1	103	Selenium	5	85
Cadmium	5	100	Silver	2	95
Chromium	2	101	Thallium	2	107
Cobalt	2	100	Vanadium	<1	97
Copper	<1	97	Zinc	<1	97
Lead	2	116			



Client: Aqua Resources

Laboratory Login Number: 104772

Project Name: Ransome
Project Number: 90239.3

Report Date: 15 August 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric) METHOD: SMWW 17:5520EF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC	Batch
104772-001	PC-FILL-4	Soil	08-AUG-91	08-AUG-91	12-AUG-91	ND	mg/Kg	50	TR		2313
104772-006	COMP SP-ADJ-1-4	Soil	08-AUG-91	08-AUG-91	12-AUG-91	400	mg/Kg	50	TR		2313
104772-011	COMP SP-ADJ-5-8	Soil	08-AUG-91	08-AUG-91	12-AUG-91	470	mg/Kg	50	TR		2313

ND = Not Detected at or above Reporting Limit (RL).

Q C B a t c h R e p o r t

 Client: Aqua Resources
 Project Name: Ransome
 Project Number: 90239.3

 Laboratory Login Number: 104772
 Report Date: 15 August 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 2313

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	50	mg/Kg	SMWW 17:5520EF	12-AUG-91

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	87%	SMWW 17:5520EF	12-AUG-91
BSD	85%	SMWW 17:5520EF	12-AUG-91

	Control Limits
Average Spike Recovery	86%
Relative Percent Difference	2.4%
	80% - 120%
	< 20%

AQUA RESOURCES, INC.

SHIPMENT NO.: 41



CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NAME: RANSOME

DATE 8/8/91

PROJECT NO.: 90239.3

769

Sample Number	Location (Depth)	Type of Sample		Type of Container	Type of Preservation		Analysis Required
		Material	Method		Temp	Chemical	
LS-17	4'	Soil	Drive	Brass Tube	14°C		TPHD, TVHG+B
LE-18	7'	"	"	"	"		"
PC-FILL-4	-	"	"	"	"		4
SP	(Elev.)						
SB-ADJ-1	2'	"	Trowel	"	"	}	2, 3
SB-ADJ-2	1'	"	"	"	"		on
SB-ADJ-3	3'	"	"	"	"		Composite
SB-ADJ-4	2'	"	"	"	"		
SP						}	2, 3 on
SB-ADJ-5	1'	"	"	"	"		Composite
SB-ADJ-6	3'	"	"	"	"		
SB-ADJ-7	2'	"	"	"	"		
SB-ADJ-8	1'	"	"	"	"		

EX*
*
1'
2 }
3 } 6
4 }
5 }
7 }
8 } 11
9 }
10 }

10/7/92

Total Number of Samples Shipped: 11

Sampler's Signature: [Signature]

Relinquished By:
Signature: [Signature]
Printed Name: Aaron N. Stessman
Company: Aqua Resources
Reason: For Analysis

Received By:
Signature: [Signature]
Printed Name: Louwrens Brauer
Company: CT - Berkeley

Date: 8/8/91
Time: 17:10

Relinquished By:
Signature: _____
Printed Name: _____
Company: _____
Reason: _____

Received By:
Signature: _____
Printed Name: _____
Company: _____

Date: 1/1
Time: _____

REMARKS:

1 = TVHG + BTEX 4 = TVH + BTEX, TPHD, O&G, CAM-17 metals and 8240
2 = TPHD
3 = O&G
* = ~~18~~ 24 hr turnaround.
others are 5 day turnaround.

Special Shipment / Handling / Storage Requirements:



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 08/12/91

DATE REPORTED: 08/19/91

LABORATORY NUMBER: 104806

CLIENT: AQUA RESOURCES, INC.

AQUA RESOURCES, INC.
RECEIVED

AUG 19 1991

JOB NO. _____

FILE _____

PROJECT ID: 90239.3

LOCATION: RANSOME

RESULTS: SEE ATTACHED



QA/QC Approval



Final Approval

Berkeley

Wilmington

Los Angeles



Client: Aqua Resources

Laboratory Login Number: 104806

Project Name: Ransome
Project Number: 90239.3

Report Date: 19 August 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric) METHOD: SMWW 17:5520EF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
104806-001	PC-FILL-5	Soil	12-AUG-91	12-AUG-91	15-AUG-91	ND	mg/Kg	50	TR	2346

ND = Not Detected at or above Reporting Limit (RL).

Q C B a t c h R e p o r t

 Client: Aqua Resources
 Project Name: Ransome
 Project Number: 90239.3

 Laboratory Login Number: 104806
 Report Date: 19 August 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 2346

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	50	mg/Kg	SMWW 17:5520EF	15-AUG-91

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	85%	SMWW 17:5520EF	15-AUG-91
BSD	86%	SMWW 17:5520EF	15-AUG-91

 Average Spike Recovery
 Relative Percent Difference

 86%
 1.6%

 Control Limits
 80% - 120%
 < 20%



LABORATORY NUMBER: 104806
CLIENT: AQUA RESOURCES, INC.
PROJECT ID: 90239.3
LOCATION: RANSOME

DATE RECEIVED: 08/12/91
DATE ANALYZED: 08/15/91
DATE REPORTED: 08/19/91

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	REPORTING LIMIT (mg/Kg)
104806-1	PC-FILL-5	ND	1.0

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	1
RECOVERY, %	95

LABORATORY NUMBER: 104806
 CLIENT: AQUA RESOURCES, INC.
 PROJECT ID: 90239.3
 LOCATION: RANSOME

DATE RECEIVED: 08/12/91
 DATE EXTRACTED: 08/13/91
 DATE ANALYZED: 08/16/91
 DATE REPORTED: 08/16/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
 California DOHS Method
 LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
104806-1	PC-FILL-5	ND	1.4	1.0

ND = Not detected at or above reporting limit.

*Reporting limit applies to all analytes.

QA/QC SUMMARY

=====
 RECOVERY, % 94
 =====

LABORATORY NUMBER: 104806-1
 CLIENT: AQUA RESOURCES, INC.
 PROJECT ID: 90239.3
 LOCATION: RANSOME
 SAMPLE ID: PC-FILL-5

DATE RECEIVED: 08/12/91
 DATE ANALYZED: 08/15/91
 DATE REPORTED: 08/16/91

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES
 Extraction Method: EPA 5030 - Purge & Trap

COMPOUND	Result ug/kg	Reporting Limit (ug/kg)
chloromethane	ND	10
bromomethane	ND	10
vinyl chloride	ND	10
chloroethane	ND	10
methylene chloride	ND	5.0
acetone	ND	10
carbon disulfide	ND	5.0
trichlorofluoromethane	ND	5.0
1,1-dichloroethene	ND	5.0
1,1-dichloroethane	ND	5.0
cis-1,2-dichloroethene	ND	5.0
trans-1,2-dichloroethene	ND	5.0
chloroform	ND	5.0
freon 113	ND	5.0
1,2-dichloroethane	ND	5.0
2-butanone	ND	10
1,1,1-trichloroethane	ND	5.0
carbon tetrachloride	ND	5.0
vinyl acetate	ND	10
bromodichloromethane	ND	5.0
1,2-dichloropropane	ND	5.0
cis-1,3-dichloropropene	ND	5.0
trichloroethylene	ND	5.0
dibromochloromethane	ND	5.0
1,1,2-trichloroethane	ND	5.0
benzene	ND	5.0
trans-1,3-dichloropropene	ND	5.0
2-chloroethylvinyl ether	ND	10
bromoform	ND	5.0
2-hexanone	ND	10
4-methyl-2-pentanone	ND	10
1,1,2,2-tetrachloroethane	ND	5.0
tetrachloroethylene	ND	5.0
toluene	ND	5.0
chlorobenzene	ND	5.0
ethyl benzene	ND	5.0
styrene	ND	5.0
total xylenes	ND	5.0

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	97 %
Toluene-d8	100 %
Bromofluorobenzene	95 %



LABORATORY NUMBER: 104806-1
 CLIENT: AQUA RESOURCES, INC.
 PROJECT ID: 90239.3
 LOCATION: RANSOME
 SAMPLE ID: PC-FILL-5

DATE RECEIVED: 08/12/91
 DATE ANALYZED: 08/14-16/91
 DATE REPORTED: 08/19/91

Title 26 Metals in Soils & Wastes
 Digestion Method: EPA 3050

METAL	RESULT mg/Kg	REPORTING LIMIT mg/Kg	METHOD
Antimony	ND	3.0	EPA 6010
Arsenic	3.4	2.5	EPA 7060
Barium	208	0.50	EPA 6010
Beryllium	0.29	0.10	EPA 6010
Cadmium	ND	0.25	EPA 6010
Chromium (total)	30.5	0.50	EPA 6010
Cobalt	17.8	0.90	EPA 6010
Copper	48.5	0.50	EPA 6010
Lead	9.5	3.0	EPA 7420
Mercury	ND	0.10	EPA 7471
Molybdenum	ND	0.70	EPA 6010
Nickel	37.5	1.6	EPA 6010
Selenium	ND	2.5	EPA 7740
Silver	ND	0.50	EPA 6010
Thallium	ND	2.5	EPA 7841
Vanadium	55.6	0.50	EPA 6010
Zinc	68.8	1.0	EPA 6010

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

	RPD, %	RECOVERY, %		RPD, %	RECOVERY, %
Antimony	<1	92	Mercury	4	95
Arsenic	2	96	Molybdenum	2	102
Barium	<1	100	Nickel	4	95
Beryllium	<1	98	Selenium	7	105
Cadmium	7	96	Silver	<1	90
Chromium	1	100	Thallium	<1	100
Cobalt	<1	96	Vanadium	1	96
Copper	8	100	Zinc	9	100
Lead	1	100			

104804

AQUA RESOURCES, INC.

SHIPMENT NO.: 42



CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

DATE 8/12/91

PROJECT NAME: RANSOME

PROJECT NO.: 90239.3

Sample Number	Location (Depth)	Type of Sample		Type of Container	Type of Preservation		Analysis Required
		Material	Method		Temp	Chemical	
LS-19	5 1/2	Soil	Drive	Brass Tube	± °C		1, 2 *
LB-20	10 1/2	"	"	"	"		2 *
LW-21	6	"	"	"	"		1, 2 *
LS-22	3 1/2	"	"	"	"		2 *
LN-23	6 1/2	"	"	"	"		1, 2 *
PC-FULL-5	-	"	"	"	"		4

Total Number of Samples Shipped: 6

Sampler's Signature: *[Signature]*

Relinquished By: *[Signature]*
 Signature: *[Signature]*
 Printed Name: Aaron D. Stessman
 Company: Aqua Resources
 Reason: For Analysis

Received By: *[Signature]*
 Signature: *[Signature]*
 Printed Name: Louinda Browner
 Company: CT-Radco

Date: 8/12/91
 Time: 16:30

Relinquished By:
 Signature: _____
 Printed Name: _____
 Company: _____
 Reason: _____

Received By:
 Signature: _____
 Printed Name: _____
 Company: _____

Date: 1/1
 Time: _____

REMARKS:

- ① = TVHG + BTEX
- ② = TPHD
- ③ = O&G
- * = 2.4 hr rush

④ = TVHG + BTEX, TPHD, O&G, CAM 17 metals, and EPA 8240

~~*~~ Others are normal 5 day turnaround.

Special Shipment / Handling / Storage Requirements:



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 08/15/91
DATE REPORTED: 08/21/91

LABORATORY NUMBER: 104848

AQUA RESOURCES, INC
RECEIVED

AUG 23 1991

CLIENT: AQUA RESOURCES, INC.

JOB _____
FILE _____


PROJECT ID: 90239.3

LOCATION: RANSOME

RESULTS: SEE ATTACHED



QA/QC Approval



Final Approval



LABORATORY NUMBER: 104848
CLIENT: AQUA RESOURCES, INC.
PROJECT ID: 90239.3
LOCATION: RANSOME

DATE RECEIVED: 08/15/91
DATE EXTRACTED: 08/16/91
DATE ANALYZED: 08/21/91
DATE REPORTED: 08/21/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg /Kg)	DIESEL RANGE (mg /Kg)	REPORTING LIMIT* (mg /Kg)
104848-1	PC-FILL-6	ND	ND	1.0

ND = Not Detected at or above reporting limit.

*Reporting limit applies to all analytes.

QA/QC SUMMARY

RPD, %	<1
RECOVERY, %	85

LABORATORY NUMBER: 104848-1
 CLIENT: AQUA RESOURCES, INC.
 PROJECT ID: 90239.3
 LOCATION: RANSOME
 SAMPLE ID: PC-FILL-6

DATE RECEIVED: 08/15/91
 DATE ANALYZED: 08/20/91
 DATE REPORTED: 08/21/91

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES
 Extraction Method: EPA 5030 - Purge & Trap

COMPOUND	Result ug/kg	Reporting Limit (ug/kg)
chloromethane	ND	10
bromomethane	ND	10
vinyl chloride	ND	10
chloroethane	ND	10
methylene chloride	ND	5.0
acetone	ND	10
carbon disulfide	ND	5.0
trichlorofluoromethane	ND	5.0
1,1-dichloroethene	ND	5.0
1,1-dichloroethane	ND	5.0
cis-1,2-dichloroethene	ND	5.0
trans-1,2-dichloroethene	ND	5.0
chloroform	ND	5.0
freon 113	ND	5.0
1,2-dichloroethane	ND	5.0
2-butanone	ND	10
1,1,1-trichloroethane	ND	5.0
carbon tetrachloride	ND	5.0
vinyl acetate	ND	10
bromodichloromethane	ND	5.0
1,2-dichloropropane	ND	5.0
cis-1,3-dichloropropene	ND	5.0
trichloroethylene	ND	5.0
dibromochloromethane	ND	5.0
1,1,2-trichloroethane	ND	5.0
benzene	ND	5.0
trans-1,3-dichloropropene	ND	5.0
2-chloroethylvinyl ether	ND	10
bromoform	ND	5.0
2-hexanone	ND	10
4-methyl-2-pentanone	ND	10
1,1,2,2-tetrachloroethane	ND	5.0
tetrachloroethylene	ND	5.0
toluene	ND	5.0
chlorobenzene	ND	5.0
ethyl benzene	ND	5.0
styrene	ND	5.0
total xylenes	ND	5.0

ND = Not detected at or above reporting limit

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	106 %
Toluene-d8	102 %
Bromofluorobenzene	96 %



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 08/22/91

DATE REPORTED: 08/27/91

LABORATORY NUMBER: 104935

CLIENT: AQUA RESOURCES, INC.

PROJECT ID: 90239.3

LOCATION: RANSOME

RESULTS: SEE ATTACHED



QA/QC Approval



Final Approval

Berkeley

Wilmington

Los Angeles



LABORATORY NUMBER: 104935
CLIENT: AQUA RESOURCES, INC.
PROJECT ID: 90239.3
LOCATION: RANSOME

DATE RECEIVED: 08/22/91
DATE EXTRACTED: 08/22/91
DATE ANALYZED: 08/24/91
DATE REPORTED: 08/27/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
104935-1	PC-FILL-7	ND	1.9	1.0

ND = Not Detected at or above reporting limit.

*Reporting limit applies to all analytes.

QA/QC SUMMARY

RPD, %	4
RECOVERY, %	96

AQUA RESOURCES, INC.

SHIPMENT NO.: 50



CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

DATE 8/22/91

PROJECT NAME: RANSOME

PROJECT NO.: 90239.3

Sample Number	Location	Type of Sample		Type of Container	Type of Preservation		Analysis Required
		Material	Method		Temp	Chemical	
PC-FILL-7	-	Soil	Drive	Brass Tube	±4° C		TPHD, ARABIAN

Total Number of Samples Shipped: 1	Sampler's Signature: <i>[Signature]</i>	Date: 8/22/91
Relinquished By: Signature: <i>[Signature]</i> Printed Name: Aaron N. Stessman Company: Aqua Resources Reason: For Analysis	Received By: Signature: <i>[Signature]</i> Printed Name: Joann <i>[Signature]</i> Company: <i>[Signature]</i>	Time: 4:00 PM
Relinquished By: Signature: _____ Printed Name: _____ Company: _____ Reason: _____	Received By: Signature: _____ Printed Name: _____ Company: _____	Date: / / Time: _____

REMARKS:

Special Shipment / Handling / Storage Requirements:

APPENDIX K

**LABORATORY CERTIFICATES - CHARACTERIZATION OF AQUA RESOURCES,
INC. AERATION BEDS**



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 06/17/91
DATE REPORTED: 06/24/91

LAB NUMBER: 104162

CLIENT: AQUA RESOURCES

*Aeration Bed
Samples*

PROJECT ID: 90239.3

LOCATION: RANSOME

*AB 6/6 - 1 = AB-C-1
AB 6/6 - 2 = AB-C-2*

RESULTS: SEE ATTACHED

[Signature]

QA/QC Approval

[Signature]

Final Approval

Berkeley

Wilmington

Los Angeles
11 63 08:29 C&T BERKELEY

Client: Aqua Resources

Laboratory Login Number: 104162

Project Name: Ransome

Report Date: 24 June 91

Project Number: 90239.3

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric) METHOD: BMW 17:5520BY

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
104162-001	17-18-91	Soil	17-JUN-91	17-JUN-91	20-JUN-91	ND	mg/Kg	50	TR	1765
104162-003	17-18-91	Soil	17-JUN-91	17-JUN-91	20-JUN-91	ND	mg/Kg	50	TR	1765
104162-005	17-18-91	Soil	17-JUN-91	17-JUN-91	20-JUN-91	ND	mg/Kg	50	TR	1765

ND = Not Detected at or above Reporting Limit (RL).



QC Batch Report

Client: Aqua Resources
Project Name: Ransome
Project Number: 90239.3

Laboratory Login Number: 104162
Report Date: 24 June 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 1765

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	50	mg/Kg	SMWW 17:5520EF	20-JUN-91

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	92%	SMWW 17:5520EF	20-JUN-91
BSD	94%	SMWW 17:5520EF	20-JUN-91

Average Spike Recovery	93%	Control Limits
Relative Percent Difference	1.9%	80% - 120%
		< 20%



LABORATORY NUMBER: 104162
CLIENT: AQUA RESOURCES
PROJECT ID: 90239.3
LOCATION: RANSOME

DATE RECEIVED: 06/17/91
DATE ANALYZED: 06/23/91
DATE REPORTED: 06/24/91

Total Volative Hydrocarbons with BTXE in Soils and Wastes
TVH by California DOHS Method/LUFT Manual October 1989
BTXE by EPA 5030/8020

LAB ID	SAMPLE ID	TVH AS GASOLINE (ug/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
104162-1	B'1N-1	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
104162-2	B'1W-2	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
104162-3	B'1B-3	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
104162-4	B'1S-4	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
104162-5	B'1E-5	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
104162-8	COMPOSITE AB 6/6-1,2	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	3
RECOVERY, %	94



LABORATORY NUMBER: 104162
CLIENT: AQUA RESOURCES
PROJECT ID: 90239.3
LOCATION: RANSOME

DATE RECEIVED: 06/17/91
DATE EXTRACTED: 06/19/91
DATE ANALYZED: 06/20/91
DATE REPORTED: 06/24/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
104162-1	B'IN-1	ND	ND	1.0
104162-2	B'IW-2	ND	1.3	1.0
104162-3	B'IB-3	ND	ND	1.0
104162-4	B'IS-4	ND	ND	1.0
104162-5	B'IE-5	ND	ND	1.0
104162-8	COMPOSITE AB 6/6-1,2	ND	2.9	1.0

ND = Not Detected at or above reporting limit.

*Reporting limit applies to all analytes.

QA/QC SUMMARY

RPD, %	9
RECOVERY, %	108

VERBAL ADDITIONS / CANCELLATIONS TO ANALYSIS REQUEST SHEET

CLIENT: ATL DATE: 6/8
REQUESTED BY: Mary Peterson TIME: _____ am _____ pm
RECORDED BY: NW

Current Lab ID (Previous Lab ID)	Client ID	Circle matrix: soil water other	Specify (add or cancel)	Analysis	Due date
104162-	BIN-1	soil		5520EF	6/24
3	BIB-3	soil		5520EF	↓
5	BIE-5	soil		5520EF	
		soil water other			
		soil water other			
		soil water other			
		soil water other			
		soil water other			
		soil water other			

Original in job jacket.

Copies to analytical departments.

104100

AQUA RESOURCES, INC.



CHAIN OF CUSTODY RECORD

SHIPMENT NO.: 8

PAGE 1 OF 1

PROJECT NAME: RANSOME

DATE 6-17-91

PROJECT NO.: 9023903

Sample Number	Location	Type of Sample		Type of Container	Type of Preservation		Analysis Required
		Material	Method		Temp	Chemical	
1 B'2N-1	2 1/2'	Soil	DRIVE DRIVE	BRASS SLEEVE	-4°C		TPND, TUN/STX
2 B'2W-2	2 1/2'	Soil	"	"	"		TPND, TUN/STX
3 B'2B-3	9'	Soil	"	"	"		TPND, TUN/STX
4 B'2S-4	7'	Soil	"	"	"		TPND, TUN/STX
5 B'2A-5	6'	Soil	"	"	"		TPND, TUN/STX
6 AB'2-1	6"	Soil	DRIVE	"	"		COMPOSITE AB'2-1 & 2 TUN/STX TEH
7 AB'2-2	6"	Soil	"	"	"		

Total Number of Samples Shipped: 7 Sampler's Signature: [Signature]

Relinquished By:
 Signature: [Signature]
 Printed Name: MARK PETERSON
 Company: AQUA RESOURCES
 Reason: FOR ANALYSIS

Received By:
 Signature: [Signature]
 Printed Name: _____
 Company: _____

Date: 6/17/91
 Time: _____

Relinquished By:
 Signature: _____
 Printed Name: _____
 Company: _____
 Reason: _____

Received By:
 Signature: [Signature]
 Printed Name: JOHN GAYETTE
 Company: E.T.

Date: 6/17/91
 Time: 15:35

REMARKS:
 TPND - EPA 8015 Mod.
 TUN/STX as per Mark Milani

Special Shipment / Handling / Storage Requirements:



LABORATORY NUMBER: 104320
CLIENT: AQUA RESOURCES
PROJECT ID: 90239.3
LOCATION: RANSOME

DATE RECEIVED: 06/27/91
DATE ANALYZED: 06/28/91
DATE REPORTED: 06/28/91

Total Volative Hydrocarbons with BTXE in Soils and Wastes
TVH by California DOHS Method/LUFT Manual October 1989
BTXE by EPA 5030/8020

LAB ID.	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
104320-17	COMPOSITE: AB-C-3,4,5,6	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
104320-18	COMPOSITE: AB-B-5,6,7,8	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	2
RECOVERY, %	103



Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 104320
CLIENT: AQUA RESOURCES, INC.
PROJECT ID: 90239.3
LOCATION: RANSOME

DATE RECEIVED: 06/27/91
DATE EXTRACTED: 06/28/91
DATE ANALYZED: 06/28/91
DATE REPORTED: 06/28/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
104320-17	COMPOSITE: AB-C-3,4,5,6	ND	ND	10
104320-18	COMPOSITE: AB-B-5,6,7,8	ND	ND	10

ND = Not Detected at or above reporting limit.

*Reporting limit applies to all analytes.

QA/QC SUMMARY

RPD, %	2
RECOVERY, %	82



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 06/27/91
DATE REPORTED: 07/05/91

LAB NUMBER: 104320

CLIENT: AQUA RESOURCES, INC.

PROJECT ID: 90239.3

LOCATION: RANSOME

RESULTS: SEE ATTACHED

QA/QC Approval

Final Approval



Curtis & Tompkins, Ltd.

Client: Aqua Resources

Laboratory Login Number: 104320

Project Name: Ransome
Project Number: 90239.3

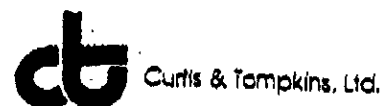
Report Date: 01 July 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

METHOD: SMWW 17:5520EF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
104320-001	DB-28	Soil	27-JUN-91	27-JUN-91	01-JUL-91	ND	mg/Kg	50	TR	1882
104320-003	DB-30	Soil	27-JUN-91	27-JUN-91	01-JUL-91	ND	mg/Kg	50	TR	1882
104320-005	DB-32	Soil	27-JUN-91	27-JUN-91	01-JUL-91	ND	mg/Kg	50	TR	1882
104320-007	DB-34	Soil	27-JUN-91	27-JUN-91	01-JUL-91	ND	mg/Kg	50	TR	1882
104320-008	DB-35	Soil	27-JUN-91	27-JUN-91	01-JUL-91	ND	mg/Kg	50	TR	1882
104320-017	COMP AB-5-5,6,7,8	Soil	27-JUN-91	27-JUN-91	01-JUL-91	100	mg/Kg	50	TR	1882
104320-018	COMP AB-5-5,6,7,8	Soil	27-JUN-91	27-JUN-91	01-JUL-91	500	mg/Kg	50	TR	1882

ND = Not Detected at or above Reporting Limit (RL).



Q C Batch Report

Client: Aqua Resources
 Project Name: Ransome
 Project Number: 90239.3

Laboratory Login Number: 104320
 Report Date: 01 July 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 1882

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	50	mg/Kg	SMWW 17:5520EF	01-JUL-91

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	81%	SMWW 17:5520EF	01-JUL-91
BSD	88%	SMWW 17:5520EF	01-JUL-91

Average Spike Recovery
 Relative Percent Difference

84%
 8.1%

Control Limits
 80% - 120%
 < 20%



Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 104320
 CLIENT: AQUA RESOURCES
 PROJECT ID: 90239.3
 LOCATION: RANSOME

DATE RECEIVED: 06/27/91
 DATE ANALYZED: 07/01/91
 DATE REPORTED: 07/05/91

Total Volatile Hydrocarbons with BTXE in Soils and Wastes
 TVH by California DOHS Method/LUFT Manual October 1989
 BTXE by EPA 5030/8020

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
104320-1	DE-28	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
104320-2	DN-29	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
104320-3	DN-30	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
104320-4	DN-31	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
104320-5	DW-32	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
104320-6	DW-33	2.9	ND(5.0)	ND(5.0)	ND(5.0)	17
104320-7	DB-34	2.3	ND(5.0)	ND(5.0)	ND(5.0)	17
104320-8	DB-35	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %

<1

RECOVERY, %

113



LABORATORY NUMBER: 104320
 CLIENT: AQUA RESOURCES
 PROJECT ID: 90239.3
 LOCATION: RANSOME

DATE RECEIVED: 06/27/91
 DATE EXTRACTED: 07/01/91
 DATE ANALYZED: 07/2-3/91
 DATE REPORTED: 07/05/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
 California DOHS Method
 LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
104320-1	DE-28	ND	ND	1.0
104320-2	DN-29	ND	ND	1.0
104320-3	DN-30	ND	ND	1.0
104320-4	DN-31	ND	ND	1.0
104320-5	DW-32	ND	ND	1.0
104320-6	DW-33	ND	ND	1.0
104320-7	DB-34	ND	ND	1.0
104320-8	DB-35	ND	ND	1.0

ND = Not Detected at or above reporting limit.

*Reporting limit applies to all analytes.

QA/QC SUMMARY

RPD, %	11
RECOVERY, %	81



Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 104320-8
 CLIENT: AQUA RESOURCES, INC.
 PROJECT ID: 90239.3
 LOCATION: RANSOME
 SAMPLE ID: DB-35

DATE RECEIVED: 06/27/91
 DATE ANALYZED: 07/02/91
 DATE REPORTED: 07/05/91

EPA 8010: Volatile Halocarbons in Soil & Wastes
 Extraction Method: EPA 5030 - Purge & Trap

Compound	RESULT ug/Kg	REPORTING LIMIT ug/Kg
chloromethane	ND	10
bromomethane	ND	10
vinyl chloride	ND	10
chloroethane	ND	10
methylene chloride	ND	10
trichlorofluoromethane	ND	5.0
1,1-dichloroethene	ND	5.0
1,1-dichloroethane	ND	5.0
cis-1,2-dichloroethene	ND	5.0
trans-1,2-dichloroethene	ND	5.0
chloroform	ND	5.0
freon 113	ND	5.0
1,2-dichloroethane	ND	5.0
1,1,1-trichloroethane	ND	5.0
carbon tetrachloride	ND	5.0
bromodichloromethane	ND	5.0
1,2-dichloropropane	ND	5.0
cis-1,3-dichloropropene	ND	5.0
trichloroethylene	ND	5.0
1,1,2-trichloroethane	ND	5.0
trans-1,3-dichloropropene	ND	5.0
dibromochloromethane	ND	5.0
2-chloroethylvinyl ether	ND	10
bromoform	ND	5.0
tetrachloroethylene	ND	5.0
1,1,2,2-tetrachloroethane	ND	5.0
chlorobenzene	ND	5.0
1,3-dichlorobenzene	ND	5.0
1,2-dichlorobenzene	ND	5.0
1,4-dichlorobenzene	ND	5.0

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

=====

Duplicate: Relative % Difference

5

Spike: Average % Recovery

99

L-4



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 07/01/91
DATE REPORTED: 07/05/91

LAB NUMBER: 104352

CLIENT: AQUA RESOURCES

PROJECT ID: 90239.3

LOCATION: RANSOME

RESULTS: SEE ATTACHED

QA/QC Approval
Final Approval

Berkeley

Wilmington

Los Angeles



LABORATORY NUMBER: 104352
CLIENT: AQUA RESOURCES
PROJECT ID: 90239.3
LOCATION: RANSOME

DATE RECEIVED: 07/01/91
DATE EXTRACTED: 07/02/91
DATE ANALYZED: 07/03/91
DATE REPORTED: 07/05/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
104352-1	J-STOCK	ND	ND	1.0

ND = Not Detected at or above reporting limit.

*Reporting limit applies to all analytes.

QA/QC SUMMARY

RPD, %
RECOVERY, %

6
97



Client: Aqua Resources

Laboratory Login Number: 104352

Project Name: Ransome

Report Date: 05 July 91

Project Number: 90239.3

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

METHOD: SMW 17:5520EF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
104352-001	AB-7	Soil	01-JUL-91	01-JUL-91	03-JUL-91	500	mg/Kg	50	TR	1935
104352-006	AB-7	Soil	01-JUL-91	01-JUL-91	03-JUL-91	340	mg/Kg	50	TR	1935

ND = Not Detected at or above Reporting Limit (RL).



QC Batch Report

Client: Aqua Resources
Project Name: Ransoma
Project Number: 90239.3

Laboratory Login Number: 104352
Report Date: 05 July 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 1935

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	50	mg/Kg	SMWW 17:5520EF	03-JUL-91

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	95%	SMWW 17:5520EF	03-JUL-91
BSD	95%	SMWW 17:5520EF	03-JUL-91

Average Spike Recovery	95%	Control Limits
Relative Percent Difference	.2%	80% - 120%
		< 20%

104352
 = 1, 2, 3, 4, 5, 6, 7 (composite)

AQUA RESOURCES, INC.

SHIPMENT NO.: 17
 PAGE 1 OF 1
 DATE 7/1/91



CHAIN OF CUSTODY RECORD

PROJECT NAME: RANSOME
 PROJECT NO.: 90259.3

Sample Number	Location	Type of Sample		Type of Container	Type of Preservation		Analysis Required
		Material	Method		Temp	Chemical	
SP-BASE-1	1 1/2'	Soil	Drive	Brass Tube	±4°C		TVHG+BTX, TPHD, O&G
DE-5900	6'	"	"	"	"		"
AB-C-7	2"	Soil	Trowel	Brass Tube	±4°C		O&G ONLY
AB-B-9	12"	Soil	Drive	Brass Tube	±4°C	} ON COMPOSITE OR FOUR SAMPLES	TVHG+BTX, TPHD, O&G
AB-B-10	16"	"	"	"	"		ON HOLD
AB-B-11	18"	"	"	"	"		
AB-B-12	16"	"	"	"	"		
FB-504	17'	"	"	"	"		TVHG+BTX, O&G, TPHD
FW-6	5'	"	"	"	"		TVHG+BTX, O&G ONLY
GE-8	2'	"	"	"	"		TVHG+BTX, TPHD, O+G
TP-B-1	2 1/2'	"	"	"	"		HOLD
J-STOCK		"	Trowel	"	"		TPHD, O+G

Total Number of Samples Shipped: 12 Sampler's Signature: [Signature]

Relinquished By:
 Signature: [Signature]
 Printed Name: Aaron N. Storchman
 Company: Aqua Resources
 Reason: For Analysis

Relinquished By:
 Signature: _____
 Printed Name: _____
 Company: _____
 Reason: _____

Received By:
 Signature: [Signature]
 Printed Name: Nancy Wilson
 Company: CIT

Received By:
 Signature: _____
 Printed Name: _____
 Company: _____

Date: 7/1/91
 Time: 3:00

Date: 1/1
 Time: _____

REMARKS:

* 48 hr rush * ON Hold

Special Shipment / Handling / Storage Requirements:



LABORATORY NUMBER: 104247
CLIENT: AQUA RESOURCES
PROJECT ID: 90239.3
LOCATION: RANSOME

DATE RECEIVED: 06/21/91
DATE ANALYZED: 06/23/91
DATE REPORTED: 06/25/91

Total Volative Hydrocarbons with BTXE in Soils and Wastes
TVH by California DOHS Method/LUFT Manual October 1989
BTXE by EPA 5030/8020

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
104247-12	COMPOSITE: AB-D-1 AB-D-2 AB-D-3	ND((1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	3
RECOVERY, %	94



LABORATORY NUMBER: 104274
CLIENT: AQUA RESOURCES
PROJECT ID: 90239.3
LOCATION: RANSOME

DATE RECEIVED: 06/21/91
DATE EXTRACTED: 06/21/91
DATE ANALYZED: 06/23/91
DATE REPORTED: 06/25/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
104247-12	COMPOSITE	ND	ND	1.0
	AB-D-1			
	AB-D-2			
	AB-D-3			

ND = Not Detected at or above reporting limit.

*Reporting limit applies to all analytes.



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DATE RECEIVED: 07/02/91
DATE REPORTED: 07/05/91

LAB NUMBER: 104364

CLIENT: AQUA RESOURCES, INC.

PROJECT ID: 90239.3

LOCATION: RANSOME

RESULTS: SEE ATTACHED

QA/QC Approval

Final Approval



LABORATORY NUMBER: 104364
 CLIENT: AQUA RESOURCES
 PROJECT ID: 90239.3
 LOCATION: RANSOME

DATE RECEIVED: 07/02/91
 DATE EXTRACTED: 07/03/91
 DATE ANALYZED: 07/05/91
 DATE REPORTED: 07/05/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
 California DOHS Method
 LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
104362-13	COMPOSITE AB-Z-1	ND	170	1.0
	AB-Z-2			
	AB-Z-3			
	AB-Z-4			
104362-14	COMPOSITE AB-A-3	ND	16	1.0
	AB-A-4			
	AB-A-5			
	AB-A-6			
104362-15	COMPOSITE AB-D-4	ND	35	1.0
	AB-D-5			
	AB-D-6			
	AB-D-7			

ND = Not Detected at or above reporting limit.

*Reporting limit applies to all analytes.

QA/QC SUMMARY

=====
 RPD, % 5
 RECOVERY, % 104
 =====



Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 104364
 CLIENT: AQUA RESOURCES, INC.
 PROJECT ID: 90239.3
 LOCATION: RANSOME

DATE RECEIVED: 07/02/91
 DATE ANALYZED: 07/04/91
 DATE REPORTED: 07/05/91

Total Volatile Hydrocarbons with BTXE in Soils and Wastes
 TVH by California DOHS Method/LUFT Manual October 1989
 BTXE by EPA 5030/8020

LAB ID	COMPOSITE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
104364-13	AB-Z-1 AB-Z-2 AB-Z-3 AB-Z-4	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
104364-14	AB-A-3 AB-A-4 AB-A-5 AB-A-6	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
104364-15	AB-D-4 AB-D-5 AB-D-6 AB-D-7	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %
 RECOVERY, %

1
 98



Curtis & Tompkins, Ltd.

Client: Aqua Resources

Laboratory Login Number: 104364

Project Name: Ransome
Project Number: 90239.3

Report Date: 05 July 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

METHOD: SMWW 17:5520EF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
104364-013	AB-7-1,2,3,4	Soil	02-JUL-91	02-JUL-91	03-JUL-91	430	mg/Kg	50	TR	1935
104364-014	AB-4-3,4,5,6	Soil	02-JUL-91	02-JUL-91	03-JUL-91	430	mg/Kg	50	TR	1935
104364-015	AB-D-4,5,6,7	Soil	02-JUL-91	02-JUL-91	03-JUL-91	430	mg/Kg	50	TR	1935

ND = Not Detected at or above Reporting Limit (RL).



Curtis & Tompkins, Ltd.

Q C Batch Report

Client: Aqua Resources
 Project Name: Ransome
 Project Number: 90239.3

Laboratory Login Number: 104364
 Report Date: 05 July 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 1935

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	50	mg/Kg	SMWW 17:552OEF	03-JUL-91

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	95%	SMWW 17:552OEF	03-JUL-91
BSD	95%	SMWW 17:552OEF	03-JUL-91

Average Spike Recovery	95%	Control Limits	80% - 120%
Relative Percent Difference	.2%		< 20%

AQUA RESOURCES, INC.



CHAIN OF CUSTODY RECORD

PROJECT NAME: RANSOME

PROJECT NO.: 90239.3

SHIPMENT NO.: 18

PAGE 1 OF 1

DATE 7/2/91

Sample Number	Location	Type of Sample		Type of Container	Type of Preservation		Analysis Required
		Material	Method		Temp	Chemical	
KS-6-3	3'	Soil	Drive	Brass Tube	4°C		TVH+BTEX, TPHD ONLY
DE-40	5 1/2'	Soil	Drive	"	"		TVH+BTEX, TPHD OFG
E-TAR	1 1/2'	Tar	Drive	"	"		TVH+BTEX, TPHD OFG
AB-Z-1		Soil	Drive	"	"		COMPOSIT + Run TVH+BTEX, TPHD, OFG 13
AB-Z-2		Soil	"	"	"		
AB-Z-3		Soil	"	"	"		
AB-Z-4		Soil	"	"	"		
AB-A-3		Soil	Trowel	"	"		COMPOSIT + Run TVH+BTEX, TPHD, OFG 14
AB-A-4		"	"	"	"		
AB-A-5		"	"	"	"		
AB-A-6		"	"	"	"		
AB-D-4		Soil	Trowel	"	"		COMPOSIT + Run TVH+BTEX, TPHD, OFG 15
AB-D-5		"	"	"	"		
AB-D-6		"	"	"	"		
AB-D-7		"	"	"	"		

Total Number of Samples Shipped: 15 Sampler's Signature: [Signature]

Relinquished By: Signature: <u>[Signature]</u> Printed Name: <u>Jonathan Gent</u> Company: _____ Reason: <u>For Analysis</u>	Received By: Signature: _____ Printed Name: _____ Company: _____	Date: <u>1/1</u>
		Time: _____
	Received By: Signature: <u>[Signature]</u> Printed Name: _____ Company: _____	Date: <u>7/10/91</u>
		Time: <u>16:07</u>

REMARKS:
 24 hour Rush on Composit Samples - Lab 13.
 104364
 Normal Rush on Others 😊

Special Shipment / Handling / Storage Requirements:



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DATE RECEIVED: 07/08/91
DATE REQUESTED: 07/09/91
DATE REPORTED: 07/12/91

LAB NUMBER: 104413

CLIENT: AQUA RESOURCES

PROJECT ID: 90239.3

LOCATION: RANSOME

RESULTS: SEE ATTACHED

QA/QC Approval

Final Approval

Berkeley

Wilmington

Los Angeles



LABORATORY NUMBER: 104413
 CLIENT: AQUA RESOURCES
 PROJECT ID: 90239.3
 LOCATION: RANSOME

DATE RECEIVED: 07/08/91
 DATE REQUESTED: 07/09/91
 DATE EXTRACTED: 07/10/91
 DATE ANALYZED: 07/11/91
 DATE REPORTED: 07/12/91
 DATE REVISED: 07/18/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
 California DOHS Method
 LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT (mg/Kg)
104413-5	COMPOSITE AB-D-8, 9, 10, 11	ND	ND	10

ND = Not Detected at or above reporting limit.

Reporting limit applies to all analytes.

QA/QC SUMMARY

RPD, %	<1
RECOVERY, %	98



Client: Aqua Resources

Laboratory Login Number: 104413

Project Name: Ransome
Project Number: 90239.3

Report Date: 12 July 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

METHOD: SMWW 17:5520EF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC	Batch
104413-005	AS-10-8-91-11	Soil	08-JUL-91	08-JUL-91	11-JUL-91	ND	mg/Kg	50	TR		2007

ND = Not Detected at or above Reporting Limit (RL).



QC Batch Report

Client: Aqua Resources
Project Name: Ransome
Project Number: 90239.3

Laboratory Login Number: 104413
Report Date: 12 July 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 2007

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	50	mg/Kg	SMW 17:5520EF	11-JUL-91

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	85%	SMW 17:5520EF	11-JUL-91
BSD	82%	SMW 17:5520EF	11-JUL-91

Average Spike Recovery	84%	Control Limits
Relative Percent Difference	3.1%	80% - 120%
		< 20%

104413

AQUA RESOURCES, INC.

SHIPMENT NO.: 20



CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

DATE 7/8/91

PROJECT NAME: RANSOME

PROJECT NO.: 90239.3

Sample Number	Location (Depth)	Type of Sample		Type of Container	Type of Preservation		Analysis Required
		Material	Method		Temp	Chemical	
AB-D-8	14"	Soil	Drive	Brass Tube	4°C		HOLD
AB-D-9	14"	"	"	"	"		"
AB-D-10	20"	"	"	"	"		"
AB-D-11	18"	"	"	"	"		"

Total Number of Samples Shipped: 4

Sampler's Signature: [Signature]

Relinquished By:
 Signature: [Signature]
 Printed Name: Daron M. Stegman
 Company: Aqua Resources
 Reason: For Analysis

Received By:
 Signature: [Signature]
 Printed Name: Nancy Wilson
 Company: ERT

Date: 7/8/91
 Time: ~4:00

Relinquished By:
 Signature: _____
 Printed Name: _____
 Company: _____
 Reason: _____

Received By:
 Signature: _____
 Printed Name: _____
 Company: _____

Date: 1/1
 Time: _____

REMARKS:

Special Shipment / Handling / Storage Requirements:



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2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 07/15/91
DATE REPORTED: 07/17/91

LAB NUMBER: 104499

CLIENT: AQUA RESOURCES, INC.

PROJECT ID: 90239.3

LOCATION: RANSOME

RESULTS: SEE ATTACHED



QA/QC Approval



Final Approval

Berkeley

Wilmington

Los Angeles

LABORATORY NUMBER: 104499
 CLIENT: AQUA RESOURCES, INC.
 PROJECT ID: 90239.3
 LOCATION: RANSOME

DATE RECEIVED: 07/15/91
 DATE ANALYZED: 07/16/91
 DATE REPORTED: 07/17/91

Total Volatile Hydrocarbons with BTXE in Soils and Wastes
 TVH by California DOHS Method/LUFT Manual October 1989
 BTXE by EPA 5030/8020

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
104499-11	AB-D2-17-20	3.2	ND(5.0)	14	7.5	22
104499-12	AB-F-1-3	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
104499-13	AB-F-4-6	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	1
RECOVERY, %	114

LABORATORY NUMBER: 104499
 CLIENT: AQUA RESOURCES, INC.
 PROJECT ID: 90239.3
 LOCATION: RANSOME

DATE RECEIVED: 07/15/91
 DATE EXTRACTED: 07/15/91
 DATE ANALYZED: 07/16/91
 DATE REPORTED: 07/17/91
 DATE REVISED: 07/18/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
 California DOHS Method
 LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT (mg/Kg)
104499-11	AB-D2-17-20	ND	ND	10
104499-12	AB-F-1.3	ND	ND	10
104499-13	AB-F-4.6	ND	ND	10

ND = Not Detected at or above reporting limit.
 Reporting limit applies to all analytes.

QA/QC SUMMARY

RPD, %	5
RECOVERY, %	87

Client: Aqua Resources

Laboratory Login Number: 104499

Project Name: Ransome
Project Number: 90239.3

Report Date: 17 July 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric) METHOD: SMW 17:5520EF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC	Batch
104499-011	90239.3-1	Soil	15-JUL-91	15-JUL-91	16-JUL-91	ND	mg/Kg	50	TR		2050
104499-012	90239.3-2	Soil	15-JUL-91	15-JUL-91	16-JUL-91	ND	mg/Kg	50	TR		2050
104499-013	90239.3-3	Soil	15-JUL-91	15-JUL-91	16-JUL-91	ND	mg/Kg	50	TR		2050

ND = Not Detected at or above Reporting Limit (RL).

QC Batch Report

 Client: Aqua Resources
 Project Name: Ransome
 Project Number: 90239.3

 Laboratory Login Number: 104499
 Report Date: 17 July 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 2050

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	50	mg/Kg	SMWW 17:5520EF	16-JUL-91

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	100%	SMWW 17:5520EF	16-JUL-91
BSD	95%	SMWW 17:5520EF	16-JUL-91

Average Spike Recovery	98%	Control Limits	80% - 120%
Relative Percent Difference	4.7%		< 20%

Composite Log - 104444

AQUA RESOURCES, INC.

SHIPMENT NO. 24



CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

DATE 7/15/91

PROJECT NAME: RANSOME

PROJECT NO.: 90239.3

Sample Number	Location Depth	Type of Sample		Type of Container	Type of Preservation		Analysis Required
		Material	Method		Temp.	Chemical	
AB-D2-17	19"	Soil	Drive	Brass Tube	±4°C		Composite + Run
AB-D2-18	13"	"	"	"	"		TVHG+BTEX, TPHD, O&G
AB-D2-19	15"	"	"	"	"		
AB-D2-20	20"	"	"	"	"		
AB-F-1	14"	"	"	"	"		Composite + Run
AB-F-2	17"	"	"	"	"		TVHG+BTEX, TPHD, O&G
AB-F-3	15"	"	"	"	"		Composite + Run
AB-F-4	19"	"	"	"	"		TVHG+BTEX, TPHD, O&G
AB-F-5	13"	"	"	"	"		TVHG+BTEX, TPHD, O&G
AB-F-6	17"	"	"	"	"		
SP-BASE-4	2'	"	"	"	"		TVHG+BTEX, TPHD, O&G

Total Number of Samples Shipped: 10 Sampler's Signature: [Signature]

Relinquished By: Signature: <u>[Signature]</u> Printed Name: <u>Aaron M. Stessman</u> Company: <u>Aqua Resources</u> Reason: <u>For Analysis</u>	Received By: Signature: <u>[Signature]</u> Printed Name: <u>Joanne Heath</u> Company: <u>Co +</u>	Date: <u>07/15/91</u>
		Time: <u>3:00</u>
	Received By: Signature: _____ Printed Name: _____ Company: _____	Date: <u>1/1</u>
		Time: _____

REMARKS: Composite as indicated
Composites are RUSH (24hr/4AT)
Normal Turnaround For SP-BASE-4

Special Shipment / Handling / Storage Requirements:



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DATE RECEIVED: 07/29/91

DATE REPORTED: 08/05/91

AQUA RESOURCES, INC
RECEIVED

AUG - 7 1991

LAB NUMBER: 104636


JOB NO. _____
FILE _____

CLIENT: AQUA RESOURCES, INC.

PROJECT ID: 90239.3

LOCATION: RANSOME

RESULTS: SEE ATTACHED



QA/QC Approval



Final Approval

Berkeley

Wilmington

Los Angeles



LABORATORY NUMBER: 104636
CLIENT: AQUA RESOURCES, INC.
PROJECT ID: 90239.3
LOCATION: RANSOME

DATE RECEIVED: 07/29/91
DATE ANALYZED: 08/02/91
DATE REPORTED: 08/05/91

Total Volatile Hydrocarbons with BTXE in Soils and Wastes
TVH by California DOHS Method/LUFT Manual October 1989
BTXE by EPA 5030/8020

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
104636-1	JB-56	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
104636-2	JN-57	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
104636-3	JN-58	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	1
RECOVERY, %	87



LABORATORY NUMBER: 104636
CLIENT: AQUA RESOURCES, INC.
PROJECT ID: 90239.3
LOCATION: RANSOME

DATE RECEIVED: 07/29/91
DATE ANALYZED: 08/01/91
DATE REPORTED: 08/01/91

Total Volatile Hydrocarbons with BTXE in Soils and Wastes
TVH by California DOHS Method/LUFT Manual October 1989
BTXE by EPA 5030/8020

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
104636-4	JS-59	1.7	9.2	ND(5.0)	ND(5.0)	5.4

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	4
RECOVERY, %	101

LABORATORY NUMBER: 104636
 CLIENT: AQUA RESOURCES, INC.
 PROJECT ID: 90239.3
 LOCATION: RANSOME

DATE RECEIVED: 07/29/91
 DATE EXTRACTED: 07/30/91
 DATE ANALYZED: 07/31/91
 DATE REPORTED: 07/31/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
 California DOHS Method
 LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
104636-5	JW-60	ND	ND	1.0

ND = Not Detected at or above reporting limit.

*Reporting limit applies to all analytes.

QA/QC SUMMARY

RPD, %	5
RECOVERY, %	83



LABORATORY NUMBER: 104636
CLIENT: AQUA RESOURCES, INC.
PROJECT ID: 90239.3
LOCATION: RANSOME

DATE RECEIVED: 07/29/91
DATE EXTRACTED: 7/30/91
DATE ANALYZED: 08/01,02/91
DATE REPORTED: 08/05/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
104636-1	JB-56	ND	ND	1.0
104636-2	JN-57	ND	3.8	1.0

ND = Not Detected at or above reporting limit.

*Reporting limit applies to all analytes.

QA/QC SUMMARY

RPD, %	11
RECOVERY, %	113



Client: Aqua Resources

Laboratory Login Number: 104636

Project Name: Ransome
Project Number: 90239.3

Report Date: 31 July 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

METHOD: SMWW 17:5520EF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
104636-001	JB-56	Soil	29-JUL-91	29-JUL-91	31-JUL-91	ND	mg/Kg	50	TR	2193
104636-002	JH-57	Soil	29-JUL-91	29-JUL-91	31-JUL-91	ND	mg/Kg	50	TR	2193
104636-016	AB-D2-37,38,39	Soil	29-JUL-91	29-JUL-91	31-JUL-91	720	mg/Kg	50	TR	2193
104636-017	AB-JT-1,2,3,4	Soil	29-JUL-91	29-JUL-91	31-JUL-91	230	mg/Kg	50	TR	2193
104636-018	AB-JP-1,2,3	Soil	29-JUL-91	29-JUL-91	31-JUL-91	400	mg/Kg	50	TR	2193

ND = Not Detected at or above Reporting Limit (RL).



Q C B a t c h R e p o r t

Client: Aqua Resources
Project Name: Ransome
Project Number: 90239.3

Laboratory Login Number: 104636
Report Date: 31 July 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 2193

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	50	mg/Kg	SMWW 17:552OEF	31-JUL-91

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	91%	SMWW 17:552OEF	31-JUL-91
BSD	89%	SMWW 17:552OEF	31-JUL-91

		Control Limits
Average Spike Recovery	90%	80% - 120%
Relative Percent Difference	2.6%	< 20%



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710. Phone (415) 486-0900

DATE RECEIVED: 08/07/91
DATE REPORTED: 08/08/91


LABORATORY NUMBER: 104745

CLIENT: AQUA RESOURCES

PROJECT ID: 90239.3

LOCATION: RANSOME

RESULTS: SEE ATTACHED



QA/QC Approval



Final Approval

Berkeley

Wilmington

Los Angeles



Client: Aqua Resources

Laboratory Login Number: 104745

Project Name: Ransome
Project Number: 90239.3

Report Date: 08 August 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric) METHOD: SMWW 17:5520EF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
104745-008	AB-02-40,41,42,43	Soil	07-AUG-91	07-AUG-91	08-AUG-91	560	mg/Kg	50	TR	2284

ND = Not Detected at or above Reporting Limit (RL).

Q C Batch Report

 Client: Aqua Resources
 Project Name: Ransome
 Project Number: 90239.3

 Laboratory Login Number: 104745
 Report Date: 08 August 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 2284

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	50	mg/Kg	SMWW 17:5520EF	08-AUG-91

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	78%	SMWW 17:5520EF	08-AUG-91
BSD	82%	SMWW 17:5520EF	08-AUG-91

		Control Limits
Average Spike Recovery	80%	80% - 120%
Relative Percent Difference	5.6%	< 20%

LABORATORY NUMBER: 104745
 CLIENT: AQUA RESOURCES
 PROJECT ID: 90239.3
 LOCATION: RANSOME

DATE RECEIVED: 08/07/91
 DATE ANALYZED: 08/08/91
 DATE REPORTED: 08/08/91

Total Volatile Hydrocarbons with BTXE in Soils and Wastes
 TVH by California DOHS Method/LUFT Manual October 1989
 BTXE by EPA 5030/8020

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
104745-8	COMPOSITE: AB-D2-40,41,42,43	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	6
RECOVERY, %	95

LABORATORY NUMBER: 104745
 CLIENT: AQUA RESOURCES
 PROJECT ID: 90239.3
 LOCATION: RANSOME

DATE RECEIVED: 08/07/91
 DATE EXTRACTED: 08/07/91
 DATE ANALYZED: 08/08/91
 DATE REPORTED: 08/08/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
 California DOHS Method
 LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
104745-1	LB-15	ND	1.1	1.0
104745-2	LB-16	ND	3.1	1.0
104745-3	JN-62	ND	10	1.0
104745-8	COMPOSITE: AB-D2-40, 41, 42, 43	ND	ND	10

ND = Not Detected at or above reporting limit.

*Reporting limit applies to all analytes.

QA/QC SUMMARY

RPD, %	14
RECOVERY, %	92

104745

AQUA RESOURCES, INC.

SHIPMENT NO.: 39



CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NAME: RANSOME

DATE 3/7/91

PROJECT NO.: 90239.3

Sample Number	Location (Depth)	Type of Sample		Type of Container	Type of Preservation		Analysis Required
		Material	Method		Temp	Chemical	
LB-15	10 1/2'	Soil	Drive	Brass Tube	±4°C		2 * 0
LB-16	10'	"	"	"	"		2 * 0
JN-62	6'	"	"	"	"		2 * 0
	(Elev)						
SP-J1-5	9'	"	"	"	"	}	Composite + Run
SP-J1-6	10'	"	"	"	"		1, 2, 3
SP-J1-7	16'	"	"	"	"		
SP-J1-8	6'	"	"	"	"		
SP-J1-9	8'	"	"	"	"	}	Composite + Run
SP-J1-10	14'	"	"	"	"		1, 2, 3
SP-J1-11	11'	"	"	"	"		
SP-J1-12	14 1/2'	"	"	"	"		
AB-D2-40	14"	"	"	"	"	}	Composite + Run
AB-D2-41	16"	"	"	"	"		1, 2, 3 *
AB-D2-42	15"	"	"	"	"		
AB-D2-43	18"	"	"	"	"		

Total Number of Samples Shipped: 15 Sampler's Signature: [Signature]

Relinquished By: Signature: <u>[Signature]</u> Printed Name: <u>Aaron N. Stessman</u> Company: <u>Aqua Resources</u> Reason: <u>For Analysis</u>	Received By: Signature: <u>[Signature]</u> Printed Name: <u>DAVID WILSON</u> Company: <u>CIT Labs</u>	Date: <u>3/7/91</u>
		Time: <u>2:55</u>
	Received By: Signature: _____ Printed Name: _____ Company: _____	Date: <u>1/1</u>
		Time: _____

REMARKS:

1 = TVHG + BTEX 0 = consider later other analyses

2 = TPHD

3 = O&G

* = 24 hr rush

Special Handling / Handling / Storage Requirements:



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2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 08/13/91
DATE REPORTED: 08/16/91

LABORATORY NUMBER: 104822

CLIENT: AQUA RESOURCES, INC.

PROJECT ID: 90239.3

LOCATION: RANSOME

RESULTS: SEE ATTACHED



QA/QC Approval



Final Approval

LABORATORY NUMBER: 104822
 CLIENT: AQUA RESOURCES, INC.
 PROJECT ID: 90239.3
 LOCATION: RANSOME

DATE RECEIVED: 08/13/91
 DATE ANALYZED: 08/15/91
 DATE REPORTED: 08/16/91

Total Volatile Hydrocarbons with BTXE in Soils and Wastes
 TVH by California DOHS Method/LUFT Manual October 1989
 BTXE by EPA 5030/8020

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
104822-1	LE-25	1.1	12	ND(5.0)	ND(5.0)	ND(5.0)
104822-6	AB-D2-44,45,46,47	1.8	ND(5.0)	ND(5.0)	6.4	28
104822-11	AB-D2-48,49,50,51	1.4	ND(5.0)	ND(5.0)	5.1	15

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	2
RECOVERY, %	96

LABORATORY NUMBER: 104822
 CLIENT: AQUA RESOURCES, INC.
 PROJECT ID: 90239.3
 LOCATION: RANSOME

DATE RECEIVED: 08/13/91
 DATE EXTRACTED: 08/14/91
 DATE ANALYZED: 08/15/91
 DATE REPORTED: 08/15/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
 California DOHS Method
 LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT (mg/Kg)
104822-6	AB-D2-44,45,46,47	ND	160*	10
104822-11	AB-D2-48,49,50,51	ND	150*	10

*Sample chromatographic pattern does not match standard.

ND = Not Detected at or above reporting limit.

Reporting limit applies to all analytes.

QA/QC SUMMARY

RPD, %	5
RECOVERY, %	83

Client: Aqua Resources

Laboratory Login Number: 104822

 Project Name: Ransome
 Project Number: 90239.3

Report Date: 15 August 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric) METHOD: SMWW 17:5520EF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
104822-006	AB-D2-44,45,46,47	Soil	13-AUG-91	13-AUG-91	15-AUG-91	490	mg/Kg	50	TR	2346
104822-011	AB-D2-48,49,50,51	Soil	13-AUG-91	13-AUG-91	15-AUG-91	860	mg/Kg	50	TR	2346

ND = Not Detected at or above Reporting Limit (RL).



Q C Batch Report

Client: Aqua Resources
Project Name: Ransome
Project Number: 90239.3

Laboratory Login Number: 104822
Report Date: 15 August 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 2346

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	50	mg/Kg	SMWW 17:552OEF	15-AUG-91

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	85%	SMWW 17:552OEF	15-AUG-91
BSD	86%	SMWW 17:552OEF	15-AUG-91

Average Spike Recovery	86%	Control Limits
Relative Percent Difference	1.6%	80% - 120%
		< 20%

104822

AQUA RESOURCES, INC.

SHIPMENT NO.: 43
 PAGE 1 OF 1
 DATE 8/13/91



CHAIN OF CUSTODY RECORD

PROJECT NAME: RANSOME
 PROJECT NO.: 90239.3

Sample Number	Location (Depth)	Type of Sample		Type of Container	Type of Preservation		Analysis Required
		Material	Method		Temp	Chemical	
LB-24	12 1/2'	Soil	Drive	Brass Tube	F/C		1, 2, 3 / 1*
LE-25	9'	"	"	"	"		1, 2, 3
LW-26	8'	"	"	"	"		
AB-DZ-44	18"	"	"	"	"	}	Composite + Run
AB-DZ-45	19"	"	"	"	"		
AB-DZ-46	17"	"	"	"	"		
AB-DZ-47	16"	"	"	"	"		
AB-DZ-48	15"	"	"	"	"	}	Composite + Run
AB-DZ-49	16"	"	"	"	"		
AB-DZ-50	17"	"	"	"	"		
AB-DZ-51	15"	"	"	"	"		

Total Number of Samples Shipped: 11 Sampler's Signature: [Signature]

Relinquished By: Signature: <u>[Signature]</u> Printed Name: <u>Aaron D. Stessman</u> Company: <u>Aqua Resources</u> Reason: <u>For Analysis</u>	Received By: Signature: <u>[Signature]</u> Printed Name: <u>Lourinda Knauer</u> Company: <u>CT Bank</u>	Date: <u>8/13/91</u> Time: <u>16:00</u>
Relinquished By: Signature: _____ Printed Name: _____ Company: _____ Reason: _____	Received By: Signature: _____ Printed Name: _____ Company: _____	Date: <u>1/1</u> Time: _____

REMARKS:
 1 = TVHG, BTEX
 2 = TPHD
 3 = OFG
 * = 48 hr RUSH

Special Shipment / Handling / Storage Requirements:



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DATE RECEIVED: 08/29/91

DATE REPORTED: 09/04/91

LABORATORY NUMBER: 104996

CLIENT: AQUA RESOURCES

PROJECT ID: 90239.3

LOCATION: RANSOME

RESULTS: SEE ATTACHED



QA/QC Approval



Final Approval

LABORATORY NUMBER: 104996
 CLIENT: AQUA RESOURCES
 PROJECT ID: 90239.3
 LOCATION: RANSOME

DATE RECEIVED: 08/29/91
 DATE EXTRACTED: 08/30/91
 DATE ANALYZED: 09/04/91
 DATE REPORTED: 09/04/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
 California DOHS Method
 LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
104996-19	COMPOSITE: AB-J-5 AB-J-6 AB-J-7 AB-J-8	ND	36	10
104996-20	COMPOSITE: AB-J-9 AB-J-10 AB-J-11 AB-J-12	ND	6.6	1.0
104996-21	COMPOSITE: AB-J-13 AB-J-14 AB-J-15 AB-J-16	ND	6.3	1.0
104996-22	COMPOSITE: AB-J-17 AB-J-18 AB-J-19 AB-J-20	ND	5.8	1.0
104996-23	COMPOSITE: AB-D2-54 AB-D2-55	ND	13	1.0

ND = Not Detected at or above reporting limit.
 *Reporting limit applies to all analytes.

QA/QC SUMMARY

RPD, %	10
RECOVERY, %	89



LABORATORY NUMBER: 104996
CLIENT: AQUA RESOURCES
PROJECT ID: 90239.3
LOCATION: RANSOME

DATE RECEIVED: 08/29/91
DATE ANALYZED: 09/04/91
DATE REPORTED: 09/04/91

Total Volatile Hydrocarbons with BTXE in Soils and Wastes
TVH by California DOHS Method/LUFT Manual October 1989
BTXE by EPA 5030/8020

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
104996-19	COMPOSITE: AB-J-5 AB-J-6 AB-J-7 AB-J-8	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
104996-20	COMPOSITE: AB-J-9 AB-J-10 AB-J-11 AB-J-12	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
104996-21	COMPOSITE: AB-J-13 AB-J-14 AB-J-15 AB-J-16	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
104996-22	COMPOSITE: AB-J-17 AB-J-18 AB-J-19 AB-J-20	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
104996-23	COMPOSITE: AB-D2-54 AB-D2-55	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	6.9

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	4
RECOVERY, %	96

Client: Aqua Resources

Laboratory Login Number: 104996

 Project Name: Ransome
 Project Number: 90239.3

Report Date: 04 September 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

METHOD: SMWW 17:5520EF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
104996-019	COMP AB-J-5-8	Soil	29-AUG-91	29-AUG-91	03-SEP-91	88.	mg/Kg	50	TR	2522
104996-020	COMP AB-J-9-12	Soil	29-AUG-91	29-AUG-91	03-SEP-91	ND	mg/Kg	50	TR	2522
104996-021	COMP AB-J-13-16	Soil	29-AUG-91	29-AUG-91	03-SEP-91	ND	mg/Kg	50	TR	2522
104996-022	COMP AB-J-17-20	Soil	29-AUG-91	29-AUG-91	03-SEP-91	66.	mg/Kg	50	TR	2522
104996-023	COMP AB-D2-54-55	Soil	29-AUG-91	29-AUG-91	03-SEP-91	620	mg/Kg	50	TR	2522

ND = Not Detected at or above Reporting Limit (RL).



Q C B a t c h R e p o r t

Client: Aqua Resources
Project Name: Ransome
Project Number: 90239.3

Laboratory Login Number: 104996
Report Date: 04 September 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 2522

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	50	mg/Kg	SMWW 17:552OEF	03-SEP-91

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	85%	SMWW 17:552OEF	03-SEP-91
BSD	86%	SMWW 17:552OEF	03-SEP-91

		Control Limits
Average Spike Recovery	86%	80% - 120%
Relative Percent Difference	1.2%	< 20%

Log # 104996

AQUA RESOURCES, INC.

SHIPMENT NO.: 54



CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

DATE 8/29/91

PROJECT NAME: **RANSOME**
PROJECT NO.: **90239.3**

Sample Number	Location	Type of Sample		Type of Container	Type of Preservation		Analysis Required
		Material	Method		Temp	Chemical	
AB-J-5	17"	Soil	Drive	Brass Tube	4°C		Composite and run 1, 2, 3 * 4
AB-J-6	16"	"	"	"	"		
AB-J-7	19"	"	"	"	"		
AB-J-8	14"	"	"	"	"		20
AB-J-9	16"	"	"	"	"		Composite and run
AB-J-10	17"	"	"	"	"		1, 2, 3 * 4
AB-J-11	18"	"	"	"	"		
AB-J-12	14"	"	"	"	"		21
AB-J-13	14"	"	"	"	"		Composite and run
AB-J-14	16"	"	"	"	"		1, 2, 3 * 4
AB-J-15	12"	"	"	"	"		
AB-J-16	14"	"	"	"	"		Composite + run
AB-J-17	17"	"	"	"	"		1, 2, 3 * 4
AB-J-18	14"	"	"	"	"		
AB-J-19	18"	"	"	"	"		Composite + Run
AB-J-20	13"	"	"	"	"		1, 2, 3 - 4 *
AB-D2-54	16"	"	"	"	"		
AB-D2-55	15"	"	"	"	"		

Total Number of Samples Shipped: 18 Sampler's Signature: *[Signature]*

Relinquished By: Signature: <i>[Signature]</i> Printed Name: Aaron N. Stessman Company: Aqua Resources Reason: For Analysis	Received By: Signature: <i>[Signature]</i> Printed Name: Jeanne Theate Company: AAR	Date: 8/29/91 Time:
Relinquished By: Signature: _____ Printed Name: _____ Company: _____ Reason: _____	Received By: Signature: _____ Printed Name: _____ Company: _____	Date: 1/1 Time:

REMARKS:
 1 = TVHG, BTEX * 48 hr RUSH
 2 = TPHD
 3 = O&G
 † = For TPHD, O&G samples please homogenize (mix thoroughly) before sampling and compositing

Special Handling / Storage Requirements:



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 08/29/91

DATE REPORTED: 09/09/91

LABORATORY NUMBER: 105005

CLIENT: AQUA RESOURCES

PROJECT ID: 90239.3

LOCATION: RANSOME

RESULTS: SEE ATTACHED

QA/QC Approved

Final Approval

Berkeley

Wilmington

Los Angeles



LABORATORY NUMBER: 105005
CLIENT: AQUA RESOURCES
PROJECT ID: 90239.3
LOCATION: RANSOME

DATE RECEIVED: 08/29/91
DATE EXTRACTED: 09/04/91
DATE ANALYZED: 09/05/91
DATE REPORTED: 09/09/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
105005-5	SP-J2-1,2,3,4	ND	26	10
105005-10	SP-J2-5,6,7,8	ND	34	10
105005-15	AB-J-21,22,23,24	ND	11	1.0
105005-20	AB-J-25,26,27,28	ND	13	1.0

ND = Not Detected at or above reporting limit.

*Reporting limit applies to all analytes.

QA/QC SUMMARY

RPD, %	12
RECOVERY, %	109



Client: Aqua Resources

Laboratory Login Number: 105005

Project Name: Ransome
Project Number: 90239.3

Report Date: 09 September 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric) METHOD: SMWW 17:5520EF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC	Batch
105005-005	SP-J2-1,2,3,4	Soil	29-AUG-91	29-AUG-91	05-SEP-91	66.	mg/Kg	50	TR		2553
105005-010	SP-J2-5,6,7,8	Soil	29-AUG-91	29-AUG-91	05-SEP-91	760	mg/Kg	50	TR		2553
105005-015	AB-J-21,22,23,24	Soil	29-AUG-91	29-AUG-91	05-SEP-91	ND	mg/Kg	50	TR		2553
105005-020	AB-J-25,26,27,28	Soil	29-AUG-91	29-AUG-91	05-SEP-91	ND	mg/Kg	50	TR		2553

ND = Not Detected at or above Reporting Limit (RL).

Q C B a t c h R e p o r t

Client: Aqua Resources
 Project Name: Ransome
 Project Number: 90239.3

Laboratory Login Number: 105005
 Report Date: 09 September 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 2553

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	50	mg/Kg	SMWW 17:552OEF	05-SEP-91

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	94%	SMWW 17:552OEF	05-SEP-91
BSD	89%	SMWW 17:552OEF	05-SEP-91

		Control Limits
Average Spike Recovery	91%	80% - 120%
Relative Percent Difference	5.7%	< 20%



LABORATORY NUMBER: 105005
CLIENT: AQUA RESOURCES
PROJECT ID: 90239.3
LOCATION: RANSOME

DATE RECEIVED: 08/29/91
DATE ANALYZED: 09/04/91
DATE REPORTED: 09/09/91

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	REPORTING LIMIT (mg/Kg)
105005-5	SP-J2-1,2,3,4	1.4	1.0
105005-10	SP-J2-5,6,7,8	1.4	1.0
105005-15	AB-J-21,22,23,24	ND	1.0
105005-20	AB-J-25,26,27,28	ND	1.0

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	3
RECOVERY, %	95

AQUA RESOURCES, INC.

SHIPMENT NO.: 55



CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

DATE 8/29/91

PROJECT NAME: RANSOME

PROJECT NO.: 90239.3

0
7
3
7.

Sample Number	Location (Depth)	Type of Sample		Type of Container	Type of Preservation		Analysis Required
		Material	Method		Temp	Chemical	
AB-J-25	16"	Soil	Drive	Brass Tube	±4°C		Composite + Run 1, 2, 3 - 4
AB-J-26	14"	"	"	"	"		
AB-J-27	17"	"	"	"	"		
AB-J-28	15"	"	"	"	"		

210

Total Number of Samples Shipped: 4/20 Sampler's Signature: [Signature]

Relinquished By:
Signature: [Signature]
Printed Name: Aaron M. Stessman
Company: Aqua Resources
Reason: For Analysis

Received By:
Signature: [Signature]
Printed Name: Nancy Wilson
Company: LET Labs

Date: 8/29/91
Time: 4:20

Relinquished By:
Signature: _____
Printed Name: _____
Company: _____
Reason: _____

Received By:
Signature: _____
Printed Name: _____
Company: _____

Date: 1/1
Time: _____

REMARKS:
1 = TVH6, BTEX
2 = TPHD
3 = O&G
4 = For TPHD, O&G samples please homogenize before sampling and compositing

Special Handling / Storage Requirements:

105005

AQUA RESOURCES, INC.

SHIPMENT NO.: 55



CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

DATE 8/29/91

PROJECT NAME: RANSOME

PROJECT NO.: 90239.3

Sample Number	Location (Elevation)	Type of Sample		Type of Container	Type of Preservation		Analysis Required
		Material	Method		Temp	Chemical	
SP-JZ-1	10'	Soil	Drive	Brass Tube	±A°C		Composite + Run 2, 3, 5
SP-JZ-2	5'	"	"	"	"		
SP-JZ-3	11'	"	"	"	"		
SP-JZ-4	8'	"	"	"	"		Composite + Run 2, 3, 5
SP-JZ-5	8'	"	"	"	"		
SP-JZ-6	8'	"	"	"	"		
SP-JZ-7	8'	"	"	"	"		Composite + Run 2, 3, 5
SP-JZ-8	5'	"	"	"	"		
	(Elev)						
SP-FGK-1	6'	"	"	"	"		Composite + Run 2, 3, 5 *
SP-FGK-2	6'	"	"	"	"		
SP-FGK-3	6'	"	"	"	"		Composite + Run 1, 2, 3-4
SP-FGK-4	6'	"	"	"	"		
	(depth)						
AB-J-21	17"	"	"	"	"		Composite + Run 1, 2, 3-4
AB-J-22	13"	"	"	"	"		
AB-J-23	17"	"	"	"	"		
AB-J-24	13"	"	"	"	"		

5
10
15

Total Number of Samples Shipped: 16/20 Sampler's Signature: [Signature]

Relinquished By: Signature: <u>[Signature]</u> Printed Name: <u>Aaron N. Stessman</u> Company: <u>Aqua Resources</u> Reason: <u>For Analysis</u>	Received By: Signature: <u>[Signature]</u> Printed Name: <u>Nancy Wilson</u> Company: <u>CIT Lab</u>	Date: <u>8/29/91</u>
		Time: <u>4:20</u>
Relinquished By: Signature: _____ Printed Name: _____ Company: _____ Reason: _____	Received By: Signature: _____ Printed Name: _____ Company: _____	Date: <u>1/1</u>
		Time: _____

REMARKS:

1 = TVHG, BTEX 5 = TVHG Only

2 = TPHD * = 48 Hr Rush (Others 5 day) - spec.

3 = O&G

4 = For TPHD, O&G Samples please homogenize before sampling and compositing

Special Handling / Storage Requirements:



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

1 1991

DATE RECEIVED: 09/06/91
DATE REPORTED: 09/09/91

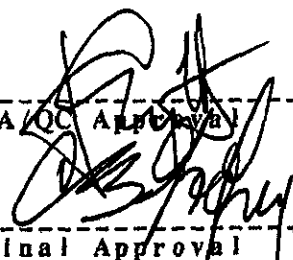
LABORATORY NUMBER: 105079

CLIENT: AQUA RESOURCES

PROJECT ID: 90239.3

LOCATION: RANSOME

RESULTS: SEE ATTACHED

QA/QC Approval

Final Approval



LABORATORY NUMBER: 105079
CLIENT: AQUA RESOURCES
PROJECT ID: 90239.3
LOCATION: RANSOME

DATE RECEIVED: 09/06/91
DATE EXTRACTED: 09/06/91
DATE ANALYZED: 09/07/91
DATE REPORTED: 09/09/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
105079-7	COMPOSITE AB-J-29,30	ND	6.5	1.0
105079-8	COMPOSITE AB-J-31,32,33,34	ND	12	1.0

ND = Not Detected at or above reporting limit.

*Reporting limit applies to all analytes.

QA/QC SUMMARY

RPD, %	5
RECOVERY, %	92



Client: Aqua Resources

Laboratory Login Number: 105079

Project Name: Ransome
Project Number: 90239.3

Report Date: 09 September 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric) METHOD: SMWW 17:5520EF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
105079-007	COMP AB-J-29,30	Soil	05-SEP-91	06-SEP-91	09-SEP-91	110	mg/Kg	50	TR	2592
105079-008	COMP AB-J-31-34	Soil	05-SEP-91	06-SEP-91	09-SEP-91	270	mg/Kg	50	TR	2592

ND = Not Detected at or above Reporting Limit (RL).



Q C Batch Report

Client: Aqua Resources
Project Name: Ransome
Project Number: 90239.3

Laboratory Login Number: 105079
Report Date: 09 September 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 2592

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	50	mg/Kg	SMWW 17:5520EF	09-SEP-91

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	89%	SMWW 17:5520EF	09-SEP-91
BSD	88%	SMWW 17:5520EF	09-SEP-91

Average Spike Recovery	88%	Control Limits	80% - 120%
Relative Percent Difference	2.1%		< 20%



LABORATORY NUMBER: 105079
CLIENT: AQUA RESOURCES
PROJECT ID: 90239.3
LOCATION: RANSOME

DATE RECEIVED: 09/06/91
DATE ANALYZED: 09/07/91
DATE REPORTED: 09/09/91

Total Volatile Hydrocarbons with BTXE in Soils and Wastes
TVH by California DOHS Method/LUFT Manual October 1989
BTXE by EPA 5030/8020

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
105079-1	COMPOSITE AB-J-29,30	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
105079-2	COMPOSITE AB-J-31,32,33,34	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	<1
RECOVERY, %	115

AQUA RESOURCES, INC.

SHIPMENT NO.: 57



CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NAME: RANSOME

DATE 9/5/91

PROJECT NO.: 90239.3

Sample Number	Location (Depth)	Type of Sample		Type of Container	Type of Preservation		Analysis Required
		Material	Method		Temp	Chemical	
AB-J-29	17"	Soil	Drive	Brass Tube	±4°C		Composite for 1, 2, 3 + *
AB-J-30	14"	"	"	"	"		
AB-J-31	19"	"	"	"	"		Composite for 1, 2, 3 + *
AB-J-32	15"	"	"	"	"		
AB-J-33	15"	"	"	"	"		
AB-J-34	19"	"	"	"	"		

Total Number of Samples Shipped: <u>6</u>		Sampler's Signature: <u>[Signature]</u>	
Relinquished By: Signature: <u>[Signature]</u> Printed Name: <u>Baron W. Stessman</u> Company: <u>Aqua Resources</u> Reason: <u>For Analysis</u>	Received By: Signature: <u>[Signature]</u> Printed Name: <u>Natal Wilson</u> Company: <u>CIT Lab</u>	Date: <u>9/6/91</u>	Time: <u>9:00</u>
Relinquished By: Signature: _____ Printed Name: _____ Company: _____ Reason: _____	Received By: Signature: _____ Printed Name: _____ Company: _____	Date: <u> / /</u>	Time: _____

REMARKS:

1 = TVHG, BTEX ★ = 48 hr. turnaround

2 = TPHD

3 = O&G

+ = Once TVHG samples have been taken, please homogenize samples before TPHD and O&G composite samples are taken.

Transport / Handling / Storage Requirements:



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 11/13/91
Reported: 11/20/91
Job #: 73020

Project: Yerba Buena, Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Diesel, MDL. Rows 73020-1 to 73020-11.

MDL: Method Detection Limit. Compound below this level would not be detected.

Handwritten signature of Jaime Chow

Jaime Chow
Laboratory Director

JC/td

VTK

Precision Analytical Laboratory, Inc.

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

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Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 11/13/91
Reported: 11/20/91
Job #: 73020

Project: Yerba Buena, Emeryville, CA
Matrix: Soil

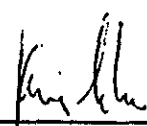
Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Lab ID	Client ID	Oil	MDL
73020-1	R-1891	ND<50	50
73020-2	R-2472	63	50
73020-3	R-906	59	50
73020-4	R-192	60	50
73020-5	R-2451	54	50
73020-6	R-542	ND<50	50
73020-7	R-1460	ND<50	50
73020-8	R-2303	83	50
73020-9	R-694	59	50
73020-10	R-110	54	50
73020-11	R-1519	ND<50	50

QA/QC: Spike Recovery for Oil: 97%

MDL: Method Detection Limit. Compound below this level would not be detected.

RECEIVED


Jaime Chow
Laboratory Director

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Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 11/13/91
Reported: 11/20/91
Job #: 73020

Project: Yerba Buena, Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

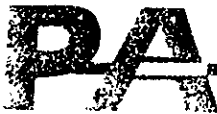
<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73020-1	R-1891	ND<10	10
73020-2	R-2472	ND<10	10
73020-3	R-906	ND<10	10
73020-4	R-192	ND<10	10
73020-5	R-2451	ND<10	10
73020-6	R-542	ND<10	10
73020-7	R-1460	ND<10	10
73020-8	R-2303	ND<10	10
73020-9	R-694	ND<10	10
73020-10	R-110	ND<10	10
73020-11	R-1519	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

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CERTIFICATE OF ANALYSIS

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Received: 11/13/91
Reported: 11/20/91
Job #: 73020

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab ID, Client ID, Benzene, MDL, Toluene, MDL. Rows 73020-1 to 73020-6.

Table with 6 columns: Lab ID, Client ID, Ethyl-benzene, MDL, Xylenes, MDL. Rows 73020-1 to 73020-6.

QA/QC: Spike Recovery for Benzene: 91%
Spike Recovery for Toluene: 108%
Spike Recovery for Xylene: 112%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director



CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 11/13/91
Reported: 11/20/91
Job #: 73020

Attn: Victor Kong
Levine-Fricke

Project: Yerba Buena, Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab ID, Client ID, Benzene, MDL, Toluene, MDL. Rows 73020-7 to 73020-11.

Table with 6 columns: Lab ID, Client ID, Ethyl-benzene, MDL, Xylenes, MDL. Rows 73020-7 to 73020-11.

QA/QC: Spike Recovery for Benzene: 91%
Spike Recovery for Toluene: 108%
Spike Recovery for Xylene: 112%

MDL: Method Detection Limit. Compound below this level would not be detected.

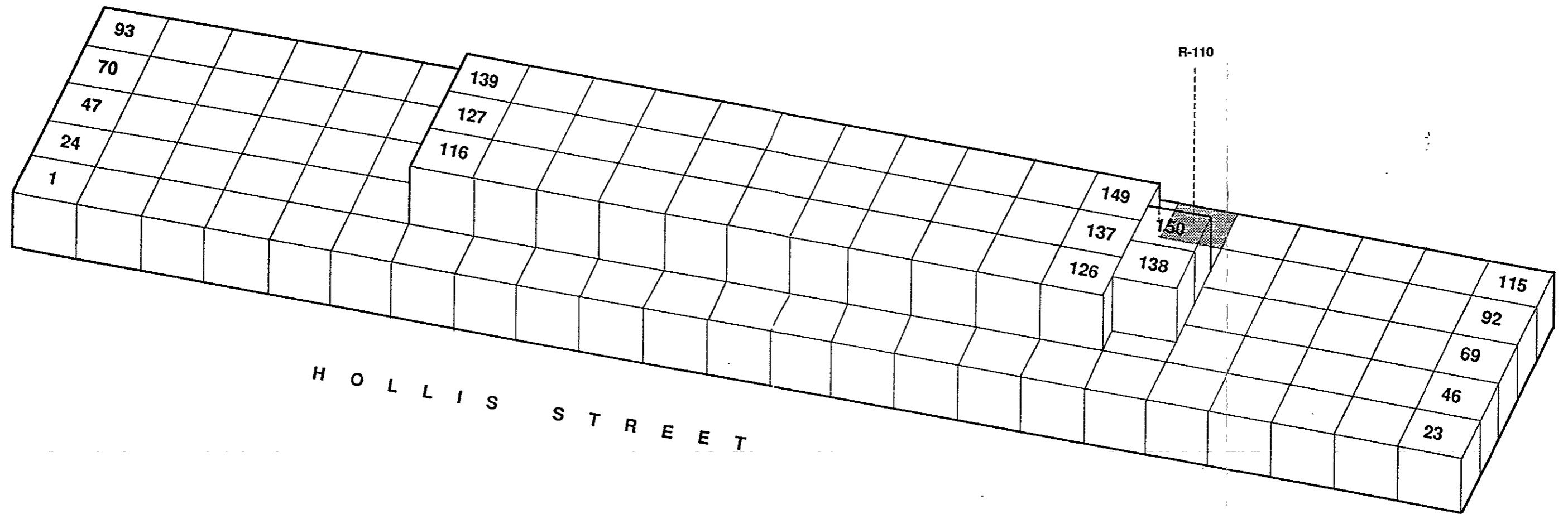
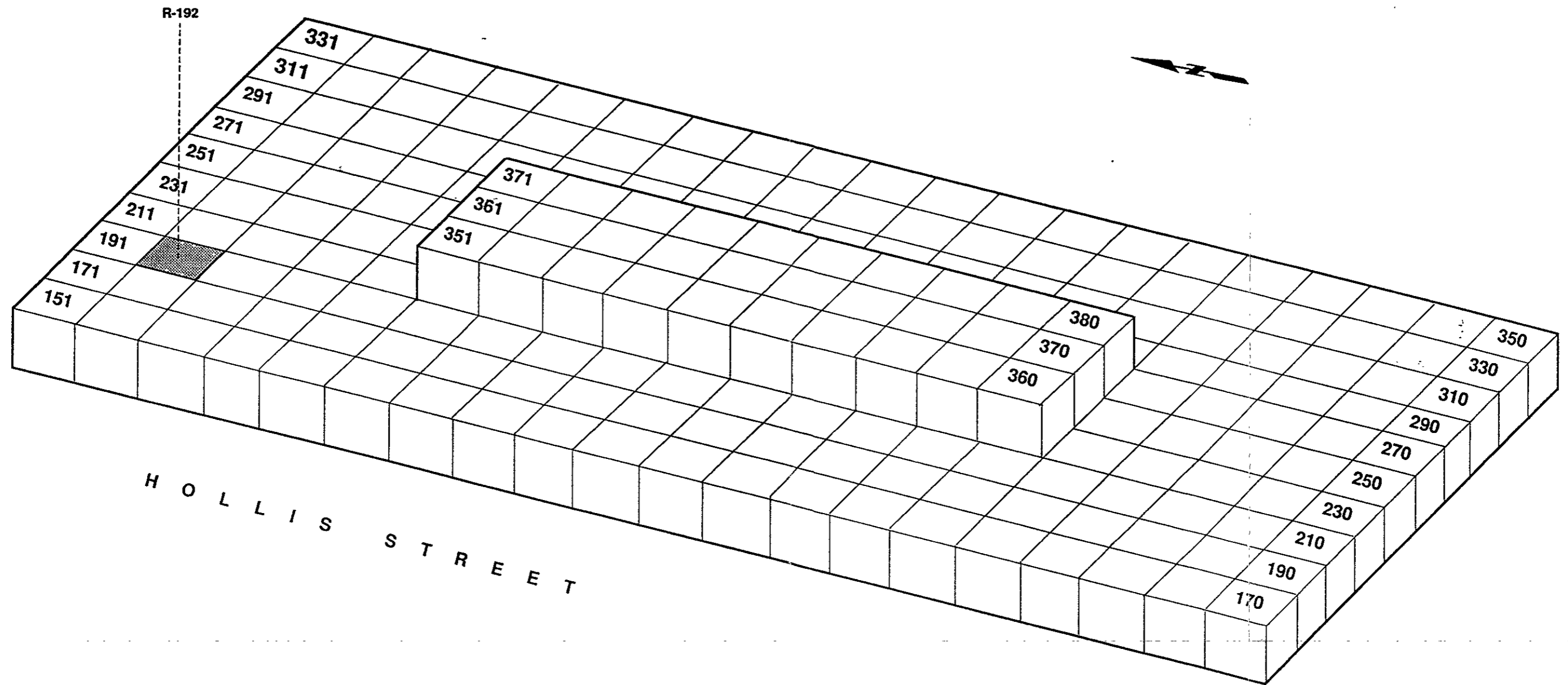


Figure :
SP 1



H O L L I S
S T R E E T

Figure :
SP 2

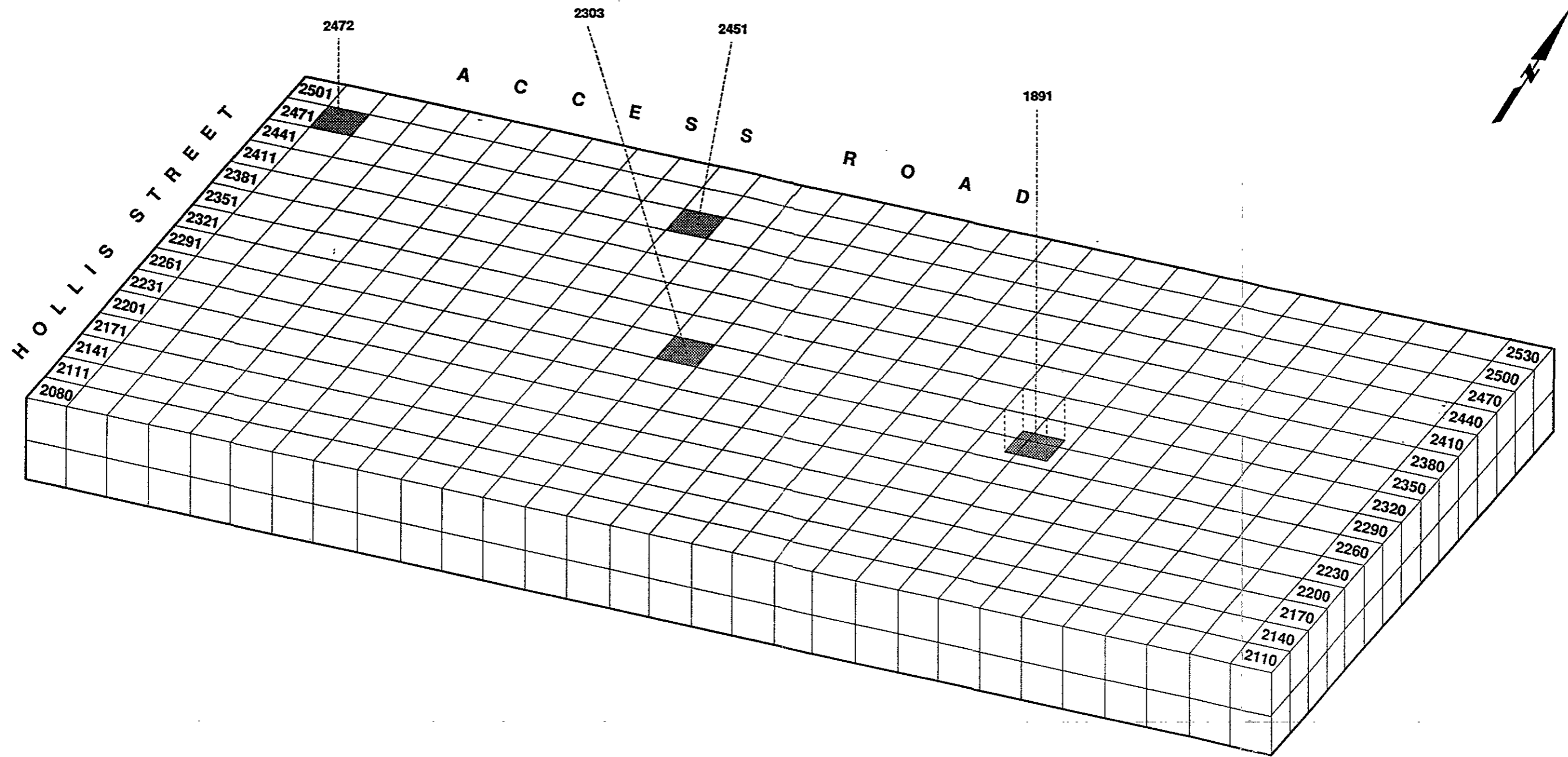


Figure :
SP-9

APPENDIX L

LABORATORY CERTIFICATES - TEST PITS AND SOIL BORINGS



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/16/91
Reported: 10/18/91
Job #: 72921

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72921-1	TP1-4	ND<10	10
72921-2	TP1-8	ND<10	10
72921-3	TP1-12	ND<10	10
72921-4	TP2-4	ND<10	10
72921-5	TP2-8	150	10
72921-6	TP2-11	12	10

QA/QC: Spike Recovery for Gasoline: 102%

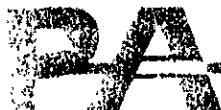
MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow

Jaime Chow
Laboratory Director

JC/td



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Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/16/91
Reported: 10/18/91
Job #: 72921

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
72921-1	TP1-4	ND<50	50
72921-2	TP1-8	ND<50	50
72921-3	TP1-12	ND<50	50
72921-4	TP2-4	ND<50	50
72921-5	TP2-8	ND<50	50
72921-6	TP2-11	ND<50	50

QA/QC: Spike Recovery for Oil: 97%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

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FAX (415) 222-1251

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Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/16/91
Reported: 10/18/91
Job #: 72921

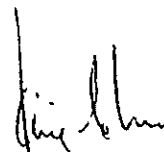
Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
72921-1	TP1-4	ND<10	10
72921-2	TP1-8	ND<10	10
72921-3	TP1-12	ND<10	10
72921-4	TP2-4	ND<10	10
72921-5	TP2-8	60	10
72921-6	TP2-11	ND<10	10

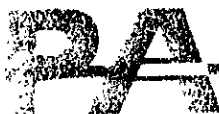
QA/QC: Spike Recovery for Diesel: 100%

MDL: Method Detection Limit. Compound below this level would not be detected.



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Laboratory Director

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FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/16/91

Reported: 10/18/91

Job #: 72921

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena
Matrix: Soil

EPA METHOD 8020
PURGEABLE AROMATICS
mg/kg

Lab ID: 72921-1

Client ID: TP1-4

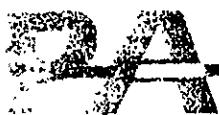
<u>Compound</u>	<u>Result</u>	<u>MDL</u>
Benzene	.028	0.005
Toluene	.007	0.005
Chlorobenzene	ND<0.005	0.005
Ethyl Benzene	0.015	0.005
Xylenes	150	0.005
1,4-Dichlorobenzene	ND<0.005	0.005
1,3-Dichlorobenzene	ND<0.005	0.005
1,2-Dichlorobenzene	ND<0.005	0.005

Spike Recovery: Benzene: 87%
Toluene: 96%
O-xylene: 96%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

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PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/16/91
Reported: 10/18/91
Job #: 72921

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena
Matrix: Soil

EPA METHOD 8020
PURGEABLE AROMATICS
mg/kg

Lab ID: 72921-2
Client ID: TP1-8

Table with 3 columns: Compound, Result, MDL. Rows include Benzene, Toluene, Chlorobenzene, Ethyl Benzene, Xylenes, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 1,2-Dichlorobenzene.

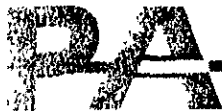
Spike Recovery: Benzene: 87%
Toluene: 96%
O-xylene: 96%

MDL: Method Detection Limit. Compound below this level would not be detected.

Handwritten signature of Jaime Chow

Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/16/91

Reported: 10/18/91

Job #: 72921

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena
Matrix: Soil

EPA METHOD 8020
PURGEABLE AROMATICS
mg/kg

Lab ID: 72921-3
Client ID: TP1-12

Table with 3 columns: Compound, Result, MDL. Lists Benzene, Toluene, Chlorobenzene, Ethyl Benzene, Xylenes, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 1,2-Dichlorobenzene with results ND<0.005 and MDL 0.005.

Spike Recovery: Benzene: 87%
Toluene: 96%
O-xylene: 96%

MDL: Method Detection Limit. Compound below this level would not be detected.

Handwritten signature of Jaime Chow

Jaime Chow
Laboratory Director

JC/td



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PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/16/91

Reported: 10/18/91

Job #: 72921

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena
Matrix: Soil

EPA METHOD 8020
PURGEABLE AROMATICS
mg/kg

Lab ID: 72921-4
Client ID: TP2-4

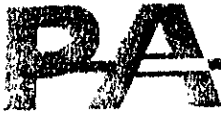
<u>Compound</u>	<u>Result</u>	<u>MDL</u>
Benzene	0.36	0.005
Toluene	.012	0.005
Chlorobenzene	ND<0.005	0.005
Ethyl Benzene	0.04	0.005
Xylenes	0.20	0.005
1,4-Dichlorobenzene	ND<0.005	0.005
1,3-Dichlorobenzene	ND<0.005	0.005
1,2-Dichlorobenzene	ND<0.005	0.005

Spike Recovery: Benzene: 87%
Toluene: 96%
O-xylene: 96%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/16/91
Reported: 10/18/91
Job #: 72921

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena
Matrix: Soil

EPA METHOD 8020
PURGEABLE AROMATICS
mg/kg

Lab ID: 72921-5
Client ID: TP2-8

Table with 3 columns: Compound, Result, MDL. Rows include Benzene, Toluene, Chlorobenzene, Ethyl Benzene, Xylenes, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 1,2-Dichlorobenzene.

Spike Recovery: Benzene: 87%
Toluene: 96%
O-xylene: 96%

MDL: Method Detection Limit. Compound below this level would not be detected.

Handwritten signature of Jaime Chow

Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/16/91

Reported: 10/18/91

Job #: 72921

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena
Matrix: Soil

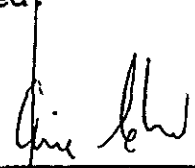
EPA METHOD 8020
PURGEABLE AROMATICS
mg/kg

Lab ID: 72921-6
Client ID: TP2-11

<u>Compound</u>	<u>Result</u>	<u>MDL</u>
Benzene	.09	0.03
Toluene	ND<0.03	0.03
Chlorobenzene	ND<0.03	0.03
Ethyl Benzene	1.3	0.03
Xylenes	4.2	0.03
1,4-Dichlorobenzene	1.3	0.03
1,3-Dichlorobenzene	0.40	0.03
1,2-Dichlorobenzene	3.3	0.03

Spike Recovery: Benzene: 87%
Toluene: 96%
O-xylene: 96%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/17/91
Reported: 10/21/91
Job #: 72934

Project: Yerba Buena
Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Lab ID	Client ID	Oil	MDL
72934-1	TP-3-4	ND<50	50
72934-2	TP-3-8	ND<50	50
72934-3	TP-3-11	ND<50	50
72934-4	TP-4-4	ND<50	50
72934-5	TP-4-8	ND<50	50
72934-6	TP-4-11	ND<50	50
72934-7	TP-5-5	ND<50	50
72934-8	TP-5-8	ND<50	50
72934-9	TP-5-11.5	ND<50	50
72934-10	TP-8-4	ND<50	50
72934-11	TP-8-8.5	ND<50	50
72934-12	TP-8-1.2	ND<50	50
72934-13	SP-4-2	590	50
72934-14	SP4-3	1,100	50
72934-15	G-9-13	ND<50	50
72934-16	L-48-8	ND<50	50

QA/QC: Spike Recovery for Oil: 96%

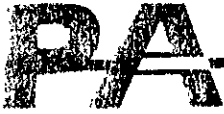
MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director



JC/td

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/17/91
Reported: 10/21/91
Job #: 72934

Project: Yerba Buena
Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
EPA Method 5030
mg/Kg

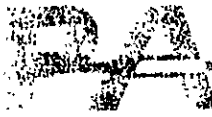
Table with 4 columns: Lab ID, Client ID, Gasoline, MDL. Contains 16 rows of analysis data.

QA/QC: Spike Recovery for Gasoline: 113%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/17/91
Reported: 10/21/91
Job #: 72934

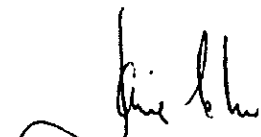
Project: Yerba Buena
Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
72934-1	TP-3-4	ND<10	10
72934-2	TP-3-8	ND<10	10
72934-3	TP-3-11	23	10
72934-4	TP-4-4	ND<10	10
72934-5	TP-4-8	ND<10	10
72934-6	TP-4-11	ND<10	10
72934-7	TP-5-5	ND<10	10
72934-8	TP-5-8	ND<10	10
72934-9	TP-5-11.5	ND<10	10
72934-10	TP-8-4	ND<10	10
72934-11	TP-8-8.5	ND<10	10
72934-12	TP-8-1.2	ND<10	10
72934-13	SP-4-2	ND<10	10
72934-14	SP4-3	ND<10	10
72934-15	G-9-13	ND<10	10
72934-16	L-48-8	ND<10	10

QA/QC: Spike Recovery for Diesel: 97%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/17/91
Reported: 10/21/91
Job #: 72934

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena
Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab ID, Client ID, Benzene, MDL, Toluene, MDL. Rows include data for Lab IDs 72934-1 through 72934-4.

Table with 6 columns: Lab ID, Client ID, Ethylbenzene, MDL, Xylenes, MDL. Rows include data for Lab IDs 72934-1 through 72934-4.

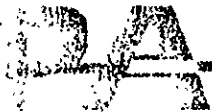
QA/QC: Spike Recovery for Benzene: 91%
Spike Recovery for Toluene: 100%
Spike Recovery for Xylene: 94%

MDL: Method Detection Limit. Compound below this level would not be detected.

Handwritten signature of Jaime Chow

Jaime Chow
Laboratory Director

JC/td



CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/17/91
Reported: 10/21/91
Job #: 72934

Attn: Peng Leong
Levine-Fricke

Project: Borland
Scotts Valley
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab ID, Client ID, Benzene, MDL, Toluene, MDL. Rows include data for Lab IDs 72934-5 through 72934-10.

Table with 6 columns: Lab ID, Client ID, Ethylbenzene, MDL, Xylenes, MDL. Rows include data for Lab IDs 72934-5 through 72934-10.

QA/QC: Spike Recovery for Benzene: 91%
Spike Recovery for Toluene: 100%
Spike Recovery for Xylene: 94%

MDL: Method Detection Limit. Compound below this level would not be detected.



CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/16/91

Reported: 10/21/91

Job #: 72934

Attn: Peng Leong
Levine-Fricke

Project: Borland
Scotts Valley
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
72934-11	TP-8-8.5	ND<0.005	0.005	ND<0.005	0.005
72934-12	TP-8-12	ND<0.005	0.005	ND<0.005	0.005
72934-15	G-9-13	ND<0.005	0.005	ND<0.005	0.005
72934-16	L-48-8	ND<0.005	0.005	ND<0.005	0.005

<u>Lab ID</u>	<u>Client ID</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
72934-11	TP-8-8.5	0.03	0.005	0.009	0.005
72934-12	TP-8-12	ND<0.005	0.005	0.009	0.005
72934-15	G-9-13	ND<0.005	0.005	ND<0.005	0.005
72934-16	L-48-8	ND<0.005	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 91%
Spike Recovery for Toluene: 100%
Spike Recovery for Xylene: 94%

MDL: Method Detection Limit. Compound below this level would not be detected.

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

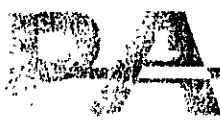
Project No.: 1649.07	Field Logbook No.:	Date: 10/17/91	Serial No.: 7549
Project Name: Yerba Buena	Project Location: Emeryville		

Sampler (Signature): <i>Drew M. Madison</i>	ANALYSES
SAMPLES	SAMPLERS: WEM

SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	ANALYSES					HOLD	RUSH	REMARKS
						EM-501	EM-502	EM-503	EM-504	EM-505			
TP-3-4	10/17/91			1	Soil							X	24-Hour TAT Results to Peng Leong
TP-3-8													
TP-3-11													
TP-4-4													
TP-4-8													
TP-4-11													
TP-5-5													
TP-5-8													
TP-5-11.5													
TP-8-4													
TP-8-8.5													
TP-8-12								X					
SP-4-2									X				
SP-4-3									X				
G-9-13								X					
L-48-8								X					

RELINQUISHED BY: (Signature) <i>Drew M. Madison</i>	DATE: 10/17/91	TIME: 12:00	RECEIVED BY: (Signature) <i>Joe Loh</i>	DATE: 10/17/91	TIME: 18:00
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: <i>Precision</i> Lab <i>road</i>
--	---



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/21/91
Reported: 10/23/91
Job #: 72940

Project: Yerba Buena
Emeryville
Matrix: Soil

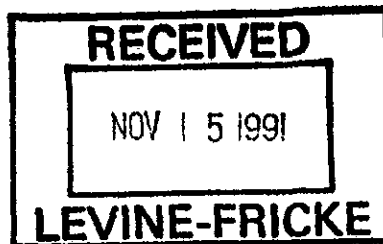
Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Oil, MDL. Rows 1-13 showing analysis results for various samples.

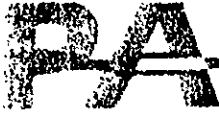
QA/QC: Spike Recovery for Oil: 95%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director



JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/21/91
Reported: 10/23/91
Job #: 72940

Project: Yerba Buena
Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Diesel, MDL. Rows 1-13 showing analysis results for various samples.

QA/QC: Spike Recovery for Diesel: 79%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/21/91
Reported: 10/23/91
Job #: 72940

Project: Yerba Buena
Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

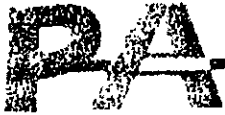
Table with 4 columns: Lab ID, Client ID, Gasoline, MDL. Rows 1-13 showing analysis results for various samples.

QA/QC: Spike Recovery for Gasoline: 114%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td



CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/21/91
Reported: 10/23/91
Job #: 72940

Project: Yerba Buena, Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab ID, Client ID, Benzene, MDL, Toluene, MDL. Rows 1-6 showing analysis results for various samples.

Table with 6 columns: Lab ID, Client ID, Ethylbenzene, MDL, Xylenes, MDL. Rows 1-6 showing analysis results for various samples.

QA/QC: Spike Recovery for Benzene: 84%
Spike Recovery for Toluene: 94%
Spike Recovery for Xylene: 93%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director



CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Peng Leong
Levine-Fricke

Received: 10/21/91
Reported: 10/23/91
Job #: 72940

Project: Yerba Buena, Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Lab ID	Client ID	Benzene	MDL	Toluene	MDL
72940-7	TP-11-12	ND<0.005	0.005	ND<0.005	0.005
72940-8	TP-12-4	ND<0.005	0.005	ND<0.005	0.005
72940-9	TP-12-8	ND<0.005	0.005	ND<0.005	0.005
72940-10	TP-12-12	ND<0.005	0.005	ND<0.005	0.005
72940-11	TP-13-4	ND<0.005	0.005	ND<0.005	0.005
72940-12	TP-13-8	ND<0.005	0.005	ND<0.005	0.005
72940-13	TP-13-12	ND<0.005	0.005	ND<0.005	0.005

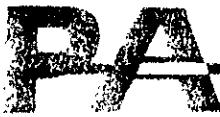
Lab ID	Client ID	Ethyl- benzene	MDL	Xylenes	MDL
72940-7	TP-11-12	ND<0.005	0.005	.023	0.005
72940-8	TP-12-4	ND<0.005	0.005	ND<0.005	0.005
72940-9	TP-12-8	ND<0.005	0.005	ND<0.005	0.005
72940-10	TP-12-12	ND<0.005	0.005	ND<0.005	0.005
72940-11	TP-13-4	ND<0.005	0.005	ND<0.005	0.005
72940-12	TP-13-8	ND<0.005	0.005	ND<0.005	0.005
72940-13	TP-13-12	ND<0.005	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 84%
Spike Recovery for Toluene: 94%
Spike Recovery for Xylene: 93%

MDL: Method Detection Limit. Compound below this level would not be detected.

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07				Field Logbook No.:				Date: 10/21/91		Serial No.: 7742		
Project Name: Yerba Buena				Project Location: Emeryville								
Sampler (Signature): <i>April Ann Gaudin</i>				ANALYSES				Samplers: WEM				
SAMPLES												
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	ANALYSES				HOLD	RUSH	REMARKS
						EPA-SOL	EPA-SOL	Metals	Other			
TP-9-4	10/21/91			1	Soil			X			X	48-Hour TAT
TP-9-8	10/21/91			1								Fax verbal results
TP-10-4												
TP-10-8												
TP-11-5												
TP-11-8												
TP-11-12												
TP-12-4												
TP-12-8												
TP-12-12												
TP-13-4												
TP-13-8												
TP-13-12	↓			↓	↓			↓			↓	
RELINQUISHED BY: (Signature) <i>April Ann Gaudin</i>				DATE	TIME	RECEIVED BY: (Signature) <i>Katherine Fitch</i>				DATE	TIME	
RELINQUISHED BY: (Signature)				DATE	TIME	RECEIVED BY: (Signature)				DATE	TIME	
RELINQUISHED BY: (Signature)				DATE	TIME	RECEIVED BY: (Signature)				DATE	TIME	
METHOD OF SHIPMENT:				DATE	TIME	LAB COMMENTS:						
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500						Analytical Laboratory: Precision						



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/21/92
Reported: 01/24/92
Job #: 73201

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608


Project: Yerba Buena, Emeryville -
Matrix: Soil

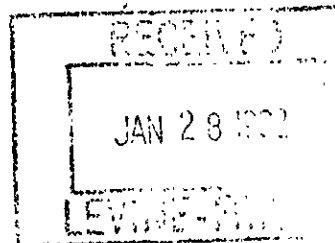
Total Hydrocarbon Analysis
Standard Methods, 17th Edition, 5520F
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Total Hydrocarbons</u>	<u>MDL</u>
73201-1	BS-26	ND<50	50
73201-2	SW-28	50	50
73201-3	TP14-4	1,630	50
73201-4	TP14-8	1,880	50
73201-5	TP14-12	ND<50	50
73201-6	TP15-4	ND<50	50
73201-7	TP15-7.5	ND<50	50
73201-8	TP15-12	ND<50	50

QA/QC: Spike Recovery: 100%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director



JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/21/92

Reported: 01/23/92

Job #: 73201

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Gasoline, MDL. Rows include Lab IDs 73201-1 through 73201-8 and Client IDs BS-26, SW-28, TP14-4, TP14-8, TP14-12, TP15-4, TP15-7.5, TP15-12. Gasoline values are ND<10 and MDL values are 10.

QA/QC: Spike Recovery: 89%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/21/92

Reported: 01/23/92

Job #: 73201

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Diesel, MDL. Rows include sample IDs like 73201-1 to 73201-8 and corresponding Diesel and MDL values.

* TPH in Diesel Range

QA/QC: Spike Recovery: 99%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/21/92

Reported: 01/23/92

Job #: 73201

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

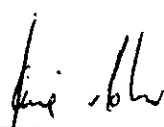
Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73201-1	BS-26	ND<50	50
73201-2	SW-28	ND<50	50
73201-3	TP14-4	1,400	500
73201-4	TP14-8	680	500
73201-5	TP14-12	ND<50	50
73201-6	TP15-4	ND<50	50
73201-7	TP15-7.5	ND<50	50
73201-8	TP15-12	ND<50	50

QA/QC: Spike Recovery: 111%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/21/92
Reported: 01/23/92
Job #: 73201

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab ID, Client ID, Benzene, MDL, Toluene, MDL. Rows 1-6 showing data for various samples.

Table with 6 columns: Lab ID, Client ID, Ethylbenzene, MDL, Xylenes, MDL. Rows 1-6 showing data for various samples.

QA/QC: Spike Recovery for Benzene: 95%
Spike Recovery for Toluene: 95%
Spike Recovery for Xylene: 92%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director



CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/21/92
Reported: 01/23/92
Job #: 73201

Attn: Cindy Barclay
Levine-Fricke

Project: Yerba Buena, Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab ID, Client ID, Benzene, MDL, Toluene, MDL. Rows include 73201-7 and 73201-8 for Client IDs TP15-7.5 and TP15-12.

Table with 6 columns: Lab ID, Client ID, Ethyl-benzene, MDL, Xylenes, MDL. Rows include 73201-7 and 73201-8 for Client IDs TP15-7.5 and TP15-12.

QA/QC: Spike Recovery for Benzene: 95%
Spike Recovery for Toluene: 95%
Spike Recovery for Xylene: 92%

MDL: Method Detection Limit. Compound below this level would not be detected.

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: <u>1649.07</u>		Field Logbook No.:		Date: <u>1/21/92</u>		Serial No.: <u>10576</u>							
Project Name: <u>Yerba Buena - Rausone</u>		Project Location: <u>Emeryville</u>											
Sampler (Signature): <u>[Signature]</u>		ANALYSES				Samplers: <u>WEM</u>							
SAMPLES													
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	ERA-604	ERA-604	8015-TPA P-610 8020-BTEX	5520F	HOLD	RUSH	REMARKS	
BS-26	1/21/92			1	Soil			X	X	X		48-Hour TAT Results to Cindy Barclay	
SW-28				1				X	X	X			
TP14-4				1				X	X	X			
TP14-8				1				X	X	X			
TP14-12				1				X	X	X			
TP15-4				1				X	X	X			
TP15-7.5				1				X	X	X			
TP15-12				1				X	X	X			
RELINQUISHED BY: (Signature) <u>[Signature]</u>		DATE	TIME	RECEIVED BY: (Signature) <u>[Signature]</u>		DATE	TIME			DATE	TIME		
RELINQUISHED BY: (Signature)		DATE	TIME	RECEIVED BY: (Signature)		DATE	TIME			DATE	TIME		
RELINQUISHED BY: (Signature)		DATE	TIME	RECEIVED BY: (Signature)		DATE	TIME			DATE	TIME		
METHOD OF SHIPMENT:		DATE	TIME	LAB COMMENTS:									
Sample Collector: <u>LEVINE-FRICKE</u> 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500				Analytical Laboratory: <u>Precision Analytical</u>									

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/31/92

Reported: 02/04/92

Job #: 73234

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608


Project: Yerba Buena, Emeryville - 1649.07
Matrix: Soil
COC: 10517

Total Hydrocarbon Analysis
Standard Methods, 17th Edition, 5520F
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Total Hydrocarbons</u>	<u>MDL</u>
73234-1	TP-16-14	ND<50	50

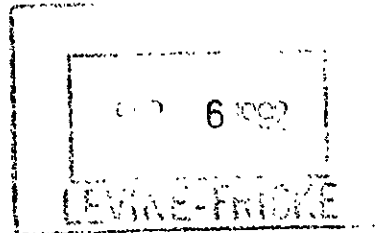
QA/QC: Spike Recovery: 99%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

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PHONE (510) 222-3002

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/31/92

Reported: 02/03/92

Job #: 73234

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

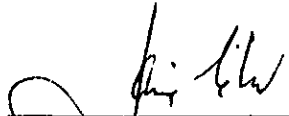
Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73234-1	TP-16-14	240	50

QA/QC: Spike Recovery: 99%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/31/92

Reported: 02/03/92

Job #: 73234

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608


Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73234-1	TP-16-14	ND<10	10

QA/QC: Spike Recovery: 114%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

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OUTSTANDING QUALITY AND SERVICE
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Precision Analytical Laboratory, Inc.

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PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/31/92

Reported: 02/03/92

Job #: 73234

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608


Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73234-1	TP-16-14	ND<10	10

QA/QC: Spike Recovery: 110%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/31/92

Reported: 02/03/92

Job #: 73234

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

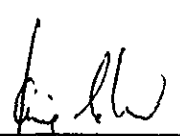
Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73234-1	TP-16-14	ND<0.005	0.005	ND<0.005	0.005

<u>Lab ID</u>	<u>Client ID</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
73234-1	TP-16-14	ND<0.005	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 91%
Spike Recovery for Toluene: 93%
Spike Recovery for Xylene: 91%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: <u>164907</u>			Field Logbook No.:			Date: <u>1/31/92</u>			Serial No.: <u>10517</u>				
Project Name: <u>Yerba Buena - Riverside</u>			Project Location: <u>Emeryville</u>						Samplers: <u>WEM</u>				
Sampler (Signature): <u>[Signature]</u>			ANALYSES										
SAMPLES													
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	ANALYSES					HOLD	RUSH	REMARKS
						EPA 801	EPA 821	BCIP/PAH/PCB	512 ATX	5526F			
<u>TP-16-14</u>	<u>1/31/92</u>	<u>-</u>		<u>1</u>	<u>Soil</u>		<u>X</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>48-Hour TAT</u> <u>Results to Cindy Barclay</u>	
RELINQUISHED BY: (Signature) <u>[Signature]</u>			DATE: <u>1/31/92</u>		TIME: <u>14:20</u>		RECEIVED BY: (Signature) <u>[Signature]</u>			DATE: <u>1-3-92</u>		TIME: <u>14:20</u>	
RELINQUISHED BY: (Signature)			DATE		TIME		RECEIVED BY: (Signature)			DATE		TIME	
RELINQUISHED BY: (Signature)			DATE		TIME		RECEIVED BY: (Signature)			DATE		TIME	
METHOD OF SHIPMENT:			DATE		TIME		LAB COMMENTS:						
Sample Collector:			LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500				Analytical Laboratory: <u>Precision Analytical</u>						

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 02/04/92
Reported: 02/06/92
Job #: 73238

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

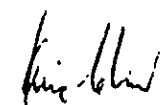
Project: Yerba Buena, Emeryville,
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

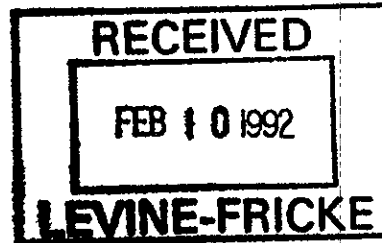
Lab ID	Client ID	Oil	MDL
73238-1	TP-17-12	ND<50	50
73238-2	TP-18-3.5	800	50
73238-3	TP-18-8	1,300	50
73238-4	TP-19-4	ND<50	50
73238-5	TP-20-4	ND<50	50

QA/QC: Spike Recovery: 95%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 02/04/92
Reported: 02/06/92
Job #: 73238

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608


Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73238-1	TP-17-12	ND<10	10
73238-2	TP-18-3.5	ND<10	10
73238-3	TP-18-8	ND<10	10
73238-4	TP-19-4	ND<10	10
73238-5	TP-20-4	ND<10	10

QA/QC: Spike Recovery: 104%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY

Precision Analytical Laboratory, Inc.

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FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 02/04/92

Reported: 02/06/92

Job #: 73238

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil


Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73238-1	TP-17-12	ND<10	10
73238-2	TP-18-3.5	130 *	10
73238-3	TP-18-8	160 *	10
73238-4	TP-19-4	ND<10	10
73238-5	TP-20-4	ND<10	10

* Concentration in Diesel Range

QA/QC: Spike Recovery: 102%

MDL: Method Detection Limit. Compound below this level would not be detected.



Gaiame Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 02/04/92

Reported: 02/06/92

Job #: 73238

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608


Project: Yerba Buena, Emeryville
Matrix: Soil

Total Hydrocarbon Analysis
Standard Methods, 17th Edition, 5520F
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Total Hydrocarbons</u>	<u>MDL</u>
73238-1	TP-17-12	ND<50	50
73238-2	TP-18-3.5	2,650	50
73238-3	TP-18-8	2,000	50
73238-4	TP-19-4	ND<50	50
73238-5	TP-20-4	ND<50	50

QA/QC: Spike Recovery: 98%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY

Precision Analytical Laboratory, Inc.

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 02/04/92

Reported: 02/06/92

Job #: 73238

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

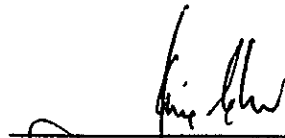
Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73238-1	TP-17-12	ND<0.005	0.005	ND<0.005	0.005
73238-2	TP-18-3.5	ND<0.005	0.005	ND<0.005	0.005
73238-3	TP-18-8	ND<0.005	0.005	ND<0.005	0.005
73238-4	TP-19-4	ND<0.005	0.005	ND<0.005	0.005
73238-5	TP-20-4	ND<0.005	0.005	ND<0.005	0.005

<u>Lab ID</u>	<u>Client ID</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
73238-1	TP-17-12	ND<0.005	0.005	ND<0.005	0.005
73238-2	TP-18-3.5	ND<0.005	0.005	ND<0.005	0.005
73238-3	TP-18-8	ND<0.005	0.005	ND<0.005	0.005
73238-4	TP-19-4	ND<0.005	0.005	ND<0.005	0.005
73238-5	TP-20-4	ND<0.005	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 89%
Spike Recovery for Toluene: 94%
Spike Recovery for Xylene: 93%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY

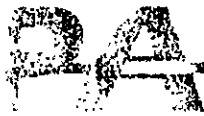
CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07	Field Logbook No.:	Date: 2/4/92	Serial No.: 10518
Project Name: Yerba Buena-Ransome	Project Location: Emeryville		

Sampler (Signature): <i>William Prochman</i>						ANALYSES						Samplers: WEM			
SAMPLES						EPA-602	EPA-604	8015-TDR	8210-DIG	8210-BTEX	5520F	HOLD	RUSH	REMARKS	
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE										
TP-17-12	2/4/92			1	Soil			x	x	x		x	48-HOUR TAT Results to Cindy Barclay		
TP-18-35				1				x	x	x		x			
TP-18-8				1				x	x	x		x			
TP-19-4				1				x	x	x		x			
TP-20-4				1				x	x	x		x			

RELINQUISHED BY: (Signature) <i>William Prochman</i>	DATE	TIME	RECEIVED BY: (Signature) <i>Jane Elm</i>	DATE	TIME
	2/4/92	17:00		2/4/92	17:25 PM
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: <i>Precision Analytical</i>
--	---



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

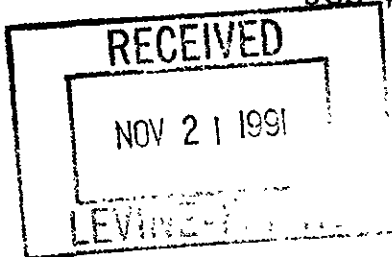
FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 11/08/91
Reported: 11/18/91
Job #: 73004



Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Oil, MDL. Contains 15 rows of analysis data.

QA/QC: Spike Recovery for Oil: 97%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td



CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 11/08/91
Reported: 11/18/91
Job #: 73004

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

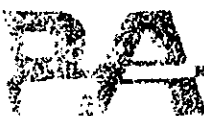
Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Gasoline, MDL. Rows 1-15 showing various sample IDs and detection limits.

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 11/08/91
Reported: 11/18/91
Job #: 73004

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Diesel, MDL. Rows 1-15 showing analysis results for various samples.

QA/QC: Spike Recovery for Diesel: 68%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 11/08/91
Reported: 11/19/91
Job #: 73004

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

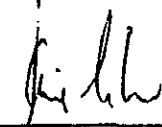
Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73004-7	SB3-2	ND<0.005	0.005	0.023	0.005
73004-8	SB3-6	ND<0.005	0.005	ND<0.005	0.005
73004-9	SB3-10	ND<0.005	0.005	ND<0.005	0.005
73004-10	SB4-2	ND<0.005	0.005	0.009	0.005
73004-11	SB4-6	ND<0.005	0.005	ND<0.005	0.005
73004-12	SB4-10	ND<0.005	0.005	ND<0.005	0.005

<u>Lab ID</u>	<u>Client ID</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
73004-7	SB3-2	0.010	0.005	0.034	0.005
73004-8	SB3-6	ND<0.005	0.005	ND<0.005	0.005
73004-9	SB3-10	ND<0.005	0.005	ND<0.005	0.005
73004-10	SB4-2	ND<0.005	0.005	ND<0.005	0.005
73004-11	SB4-6	ND<0.005	0.005	ND<0.005	0.005
73004-12	SB4-10	ND<0.005	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 77%
Spike Recovery for Toluene: 90%
Spike Recovery for Xylene: 98%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director



CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 11/08/91

Reported: 11/19/91

Job #: 73004

Attn: Victor Kong
Levine-Fricke

Project: Yerba Buena, Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73004-13	SB5-2	ND<0.005	0.005	0.015	0.005
73004-14	SB5-6	ND<0.005	0.005	ND<0.005	0.005
73004-15	SB5-10	ND<0.005	0.005	ND<0.005	0.005

<u>Lab ID</u>	<u>Client ID</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
73004-13	SB5-2	ND<0.005	0.005	ND<0.005	0.005
73004-14	SB5-6	ND<0.005	0.005	ND<0.005	0.005
73004-15	SB5-10	ND<0.005	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 77%
Spike Recovery for Toluene: 90%
Spike Recovery for Xylene: 98%

MDL: Method Detection Limit. Compound below this level would not be detected.

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649:07	Field Logbook No.:	Date: 11-8-91	Serial No.: 7444
Project Name: Verba Buena	Project Location: Emeryville, CA		

SAMPLES						ANALYSES				SAMPLERS:		REMARKS
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	EPA 601	EPA 824	8015	8020	HOLD	RUSH	
SB1-4	11/8/91			1	Soil		X	X		X		48-hr. TAT : Rush
SB1-8							X	X		X		
SB1-12							X	X		X		
SB2-4							X	X		X		8015 TPH - DIESEL OIL, GASOLINE
SB2-8							X	X		X		8020 BTKE
SB2-12							X	X		X		
SB3-2							X	X		X		Please Homogenize each
SB3-6							X	X		X		sample
SB3-10							X	X		X		
SB4-2							X	X		X		Results to : Victor Kong
SB4-6							X	X		X		
SB4-10							X	X		X		
SB5-2							X	X		X		
SB5-6							X	X		X		
SB5-10	X			X	X		X	X		X		

RELINQUISHED BY: (Signature) <i>Michael Stoll</i>	DATE	TIME	RECEIVED BY: (Signature) <i>Michael Stoll</i>	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: Precision Analytical, Richmond CA
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Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

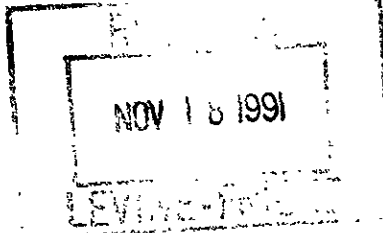
FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 11/08/91
Reported: 11/12/91
Job #: 73004



Project: Yerba Buena
Emeryville, CA
Matrix: Soil

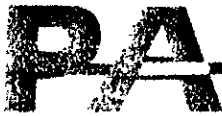
Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Oil, MDL. Rows include sample IDs like 73004-7 to 73004-15 and corresponding client IDs and MDL values.

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 11/08/91
Reported: 11/12/91
Job #: 73004

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Gasoline, MDL. Rows 73004-7 to 73004-15.

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 11/08/91
Reported: 11/12/91
Job #: 73004

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Diesel, MDL. Rows 73004-7 to 73004-15.

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature
Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07 Field Logbook No.: _____ Date: 11-8-91 Serial No.: 7444

Project Name: Verba Buena Project Location: Emeryville, CA

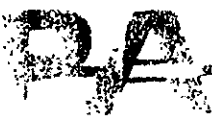
Sampler (Signature): Michael Stoll ANALYSES: _____ Samplers: MJS

SAMPLES					ANALYSES								REMARKS
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA 601	EPA 624	8015	8020		HOLD	RUSH	
SB1-4	11/8/91			1	Soil			X	X		X		48-hr TAT - Rush
SB1-8								X	X		X		
SB1-12								X	X		X		
SB2-4								X	X		X		8015 TPH - DIESEL, SOL. GASOLINE
SB2-8								X	X		X		8020 BTXE
SB2-12								X	X		X		
SB3-2								X	X		X		Please Homogenize each
SB3-6								X	X		X		sample
SB3-10								X	X		X		
SB4-2								X	X		X		Results to Victor Kong
SB4-6								X	X		X		
SB4-10								X	X		X		
SB5-2								X	X		X		
SB5-6								X	X		X		
SB5-10	X			X	X			X	X		X		

RELINQUISHED BY: (Signature) <u>Michael Stoll</u>	DATE: <u>11-8-91</u>	TIME: <u>3:40</u>	RECEIVED BY: (Signature) <u>Michael Stoll</u>	DATE: <u>11-8-91</u>	TIME: <u>3:40</u>
RELINQUISHED BY: (Signature) _____	DATE: _____	TIME: _____	RECEIVED BY: (Signature) _____	DATE: _____	TIME: _____
RELINQUISHED BY: (Signature) _____	DATE: _____	TIME: _____	RECEIVED BY: (Signature) _____	DATE: _____	TIME: _____
METHOD OF SHIPMENT: _____	DATE: _____	TIME: _____	LAB COMMENTS: _____	DATE: _____	TIME: _____

Samples Collector: LEVINE-FRICKE
 1900 Powell Street, 12th Floor
 Emeryville, Ca 94608
 (415) 652-4500

Analytical Laboratory:
Precision Analytical, Richmond, CA



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

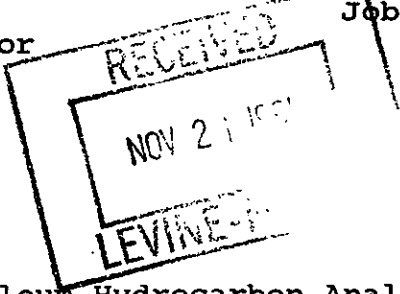
FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 11/07/91
Reported: 11/18/91
Job #: 73001



Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73001-1	SB7-2	ND<50	50
73001-2	SB7-6	ND<50	50
73001-3	SB7-10	ND<50	50
73001-4	SB8-2	ND<50	50
73001-5	SB8-6	ND<50	50
73001-6	SB8-10	ND<50	50
73001-7	SB9-2	ND<50	50
73001-8	SB9-6	ND<50	50
73001-9	SB9-10	ND<50	50
73001-10	SB10-2	ND<50	50
73001-11	SB10-6	ND<50	50
73001-12	SB10-10	ND<50	50

QA/QC: Spike Recovery for Oil: 97%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 11/07/91
Reported: 11/18/91
Job #: 73001

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Gasoline, MDL. Rows 1-12 showing analysis results for various samples.

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 11/07/91
Reported: 11/18/91
Job #: 73001

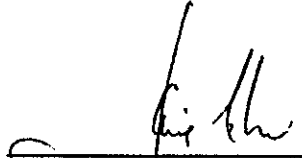
Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73001-1	SB7-2	ND<10	10
73001-2	SB7-6	ND<10	10
73001-3	SB7-10	ND<10	10
73001-4	SB8-2	ND<10	10
73001-5	SB8-6	ND<10	10
73001-6	SB8-10	ND<10	10
73001-7	SB9-2	ND<10	10
73001-8	SB9-6	ND<10	10
73001-9	SB9-10	ND<10	10
73001-10	SB10-2	ND<10	10
73001-11	SB10-6	ND<10	10
73001-12	SB10-10	ND<10	10

QA/QC: Spike Recovery for Diesel: 68%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 11/07/91
Reported: 11/18/91
Job #: 73001

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

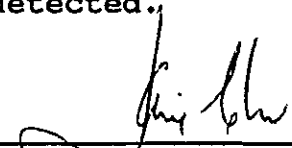
Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

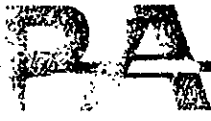
<u>Lab ID</u>	<u>Client ID</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73001-1	SB7-2	ND<0.005	0.005	ND<0.005	0.005
73001-2	SB7-6	0.080	0.005	ND<0.005	0.005
73001-3	SB7-10	ND<0.005	0.005	ND<0.005	0.005
73001-4	SB8-2	ND<0.005	0.005	ND<0.005	0.005
73001-5	SB8-6	ND<0.005	0.005	ND<0.005	0.005
73001-6	SB8-10	ND<0.005	0.005	ND<0.005	0.005

<u>Lab ID</u>	<u>Client ID</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
73001-1	SB7-2	ND<0.005	0.005	0.015	0.005
73001-2	SB7-6	0.210	0.005	0.22	0.005
73001-3	SB7-10	0.031	0.005	0.15	0.005
73001-4	SB8-2	ND<0.005	0.005	ND<0.005	0.005
73001-5	SB8-6	ND<0.005	0.005	ND<0.005	0.005
73001-6	SB8-10	ND<0.005	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 85%
Spike Recovery for Toluene: 101%
Spike Recovery for Xylene: 105%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director



CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 11/07/91
Reported: 11/18/91
Job #: 73001

Attn: Victor Kong
Levine-Fricke

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab ID, Client ID, Benzene, MDL, Toluene, MDL. Rows 73001-7 to 73001-12.

Table with 6 columns: Lab ID, Client ID, Ethyl-benzene, MDL, Xylenes, MDL. Rows 73001-7 to 73001-12.

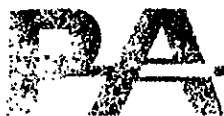
QA/QC: Spike Recovery for Benzene: 85%
Spike Recovery for Toluene: 101%
Spike Recovery for Xylene: 105%

MDL: Method Detection Limit. Compound below this level would not be detected.

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07		Field Logbook No.:		Date: 11-7-91		Serial No.: 7445				
Project Name: Yerba Buena		Project Location: Emeryville, CA								
Sampler (Signature): <i>Michael Stoll</i>				ANALYSES		Samplers: MJS				
SAMPLES				EPA 601	EPA 624	8015	8020	HOLD	RUSH	REMARKS
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE					
SB7-2	11-7-91			1	Soil		X	X	X	48-hr TAT: Rush
SB7-6	}						X	X	X	
SB7-10							X	X	X	8015-TPH DIESEL OIL, GASOLINE
SB8-2								X	X	8020-BTXE
SB8-6								X	X	
SB8-10								X	X	
SB9-2								X	X	
SB9-6								X	X	Please Homogenize each sample
SB9-10								X	X	
SB10-2								X	X	
SB10-6								X	X	Results to: Victor Kong
SB10-10	X			X	X		X	X	X	

RELINQUISHED BY: (Signature) <i>Michael Stoll</i>	DATE: 11-7-91	TIME: 16:20	RECEIVED BY: (Signature) <i>Eric L...</i>	DATE: 11/7/91	TIME: 17:25
RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED BY: (Signature)	DATE:	TIME:
RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED BY: (Signature)	DATE:	TIME:
METHOD OF SHIPMENT:	DATE:	TIME:	LAB COMMENTS:		
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: <i>Precision Analytical, Richmond CA</i>				



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

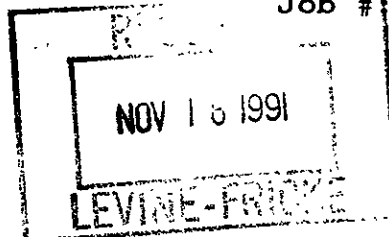
FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 11/08/91
Reported: 11/12/91
Job # 73005



Project: Yerba Buena
Emeryville, CA
Matrix: Soil

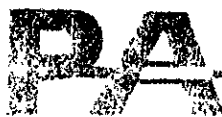
Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Oil, MDL. Rows 1-9 showing various sample IDs and results (ND<50).

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 11/08/91
Reported: 11/12/91
Job #: 73005

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Gasoline, MDL. Rows include sample IDs like 73005-1 to 73005-9 and corresponding client IDs and detection limits.

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td



CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 11/08/91
Reported: 11/12/91
Job #: 73005

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Diesel, MDL. Contains 9 rows of data.

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07	Field Logbook No.:	Date: 11-8-91	Serial No.: 7052
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Project Name: Yerba Buena	Project Location: Emeryville, CA
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Sampler (Signature): <i>Michael Stoll</i>					ANALYSES						Samplers: MJS			
SAMPLES											REMARKS			
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	EPA 601				EPA 824		HOLD	RUSH	
SB6-2	11/3/91			1	Soil			X	X			X	48-hr TAT = Rush	
SB6-6	}							X	X			X		
SB6-10								X	X			X		
SB12-4									X	X			X	8015 TPH - DIESEL, OIL, GASOLINE
SB12-8									X	X			X	8020 BTXE
SB12-12									X	X			X	
SB14-4									X	X			X	Please Homogenize each
SB14-8									X	X			X	sample
SB14-12		X			X	X			X	X			X	
													Result to: Victor Kong	

RELINQUISHED BY: (Signature) <i>Michael Stoll</i>	DATE: 11-8-91	TIME: 3:40	RECEIVED BY: (Signature) <i>Khalinda Sidhu</i>	DATE: 11-8-91	TIME: 3:40p
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500			Analytical Laboratory: <i>Precision Analytical, Richmond, CA</i>		

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

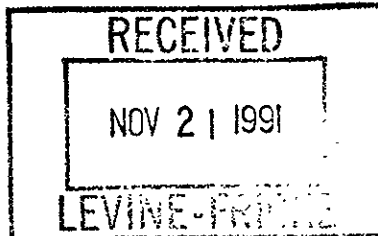
FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 11/08/91
 Reported: 11/19/91
 Job #: 73005

Attn: Victor Kong
 Levine-Fricke
 1900 Powell Street, 12th Floor
 Emeryville, CA 94608



Project: Yerba Buena, Emeryville
 Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
 EPA Method 8020
 mg/Kg

Lab ID	Client ID	Benzene	MDL	Toluene	MDL
73005-1	SB6-2	ND<0.005	0.005	0.007	0.005
73005-2	SB6-6	ND<0.005	0.005	ND<0.005	0.005
73005-3	SB6-10	ND<0.005	0.005	ND<0.005	0.005
73005-4	SB12-4	0.006	0.005	ND<0.005	0.005
73005-5	SB12-8	ND<0.005	0.005	ND<0.005	0.005
73005-6	SB12-12	ND<0.005	0.005	ND<0.005	0.005

Lab ID	Client ID	Ethyl-benzene	MDL	Xylenes	MDL
73005-1	SB6-2	ND<0.005	0.005	ND<0.005	0.005
73005-2	SB6-6	ND<0.005	0.005	ND<0.005	0.005
73005-3	SB6-10	ND<0.005	0.005	ND<0.005	0.005
73005-4	SB12-4	ND<0.005	0.005	ND<0.005	0.005
73005-5	SB12-8	ND<0.005	0.005	ND<0.005	0.005
73005-6	SB12-12	ND<0.005	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 77%
 Spike Recovery for Toluene: 90%
 Spike Recovery for Xylene: 98%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
 Jaime Chow
 Laboratory Director

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 11/08/91

Reported: 11/19/91

Job #: 73005

Attn: Victor Kong
Levine-Fricke

Project: Yerba Buena, Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73005-7	SB14-4	ND<0.005	0.005	ND<0.005	0.005
73005-8	SB14-8	2.4	0.005	0.53	0.005
73005-9	SB14-12	0.23	0.005	0.036	0.005

<u>Lab ID</u>	<u>Client ID</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
73005-7	SB14-4	ND<0.005	0.005	0.015	0.005
73005-8	SB14-8	11	0.005	7.0	0.005
73005-9	SB14-12	2.4	0.005	0.7	0.005

QA/QC: Spike Recovery for Benzene: 77%
Spike Recovery for Toluene: 90%
Spike Recovery for Xylene: 98%

MDL: Method Detection Limit. Compound below this level would not be detected.

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07				Field Logbook No.:				Date: 11-8-91		Serial No.: 7052	
Project Name: Yerba Buena				Project Location: Emeryville, CA							
Sampler (Signature): <i>Michael Stoll</i>				ANALYSES				HOLD		RUSH	
SAMPLES										Samplers: MJS	
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA 601	EPA 624	8015	8020		REMARKS
SB6-2	11/8/91			1	Soil			X	X		48-hr TAT: RUSH
SB6-6	}							X	X		
SB6-10								X	X		
SB12-4									X	X	8015 TPH - DIESEL OIL, GASOLINE
SB12-8									X	X	8020 BTXE
SB12-12									X	X	
SB14-4									X	X	Please Homogenize each
SB14-8									X	X	sample
SB14-12		X			X	X			X	X	
											Result to: Victor Kong
RELINQUISHED BY: (Signature) <i>Michael Stoll</i>				DATE: 11-8-91	TIME: 3:40	RECEIVED BY: (Signature) <i>Kirkwindy Sidhu</i>				DATE: 11-8-91	TIME: 3:40p
RELINQUISHED BY: (Signature)				DATE	TIME	RECEIVED BY: (Signature)				DATE	TIME
RELINQUISHED BY: (Signature)				DATE	TIME	RECEIVED BY: (Signature)				DATE	TIME
METHOD OF SHIPMENT:				DATE	TIME	LAB COMMENTS:					
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500						Analytical Laboratory: <i>Precision Analytical, Richmond, CA</i>					



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 07/26/91
DATE REPORTED: 08/02/91

LAB NUMBER: 104631

CLIENT: AQUA RESOURCES

PROJECT ID: 90239.3

LOCATION: RANSOME

RESULTS: SEE ATTACHED



QA/QC Approval



Final Approval



LABORATORY NUMBER: 104631
CLIENT: AQUA RESOURCES
PROJECT ID: 90239.3
LOCATION: RANSOME

DATE RECEIVED: 07/26/91
DATE ANALYZED: 07/30/91
DATE REPORTED: 08/02/91

Total Volatile Hydrocarbons with BTXE in Soils and Wastes
TVH by California DOHS Method/LUFT Manual October 1989
BTXE by EPA 5030/8020

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
104631-5	TP-J-1	60	130	34	1,400	2,800
104631-6	TP-J-2	270	820	ND(80)	3,600	2,500
104631-7	TP-J-3	640	3,300	8,800	17,000	76,000
104631-8	DE-45	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
104631-9	DB-46	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
104631-10	DS-47	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
104631-11	SP-J1-1, 2, 3, 4	23	250	11	33	460

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	5
RECOVERY, %	102

LABORATORY NUMBER: 104631
 CLIENT: AQUA RESOURCES
 PROJECT ID: 90239.3
 LOCATION: RANSOME

DATE RECEIVED: 07/26/91
 DATE EXTRACTED: 07/29/91
 DATE ANALYZED: 08/01-02/91
 DATE REPORTED: 08/02/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
 California DOHS Method
 LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
104631-8	DE-45	ND	4.8	1.0
104631-9	DB-46	ND	3.8	1.0
104631-11	SP-J1-1,2,3,4	ND	98	1.0

ND = Not Detected at or above reporting limit.

*Reporting limit applies to all analytes.

QA/QC SUMMARY

```

=====
RPD, %                                18
RECOVERY, %                            117
=====
  
```


Client: Aqua Resources

Laboratory Login Number: 104631

 Project Name: Ransome
 Project Number: 90239.3

Report Date: 05 August 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

METHOD: SMWW 17:5520EF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
104631-008	DE-45	Soil	26-JUL-91	26-JUL-91	31-JUL-91	ND	mg/Kg	50	TR	2193
104631-011	SP-J1-1,2,3,4	Soil	26-JUL-91	26-JUL-91	31-JUL-91	2000	mg/Kg	50	TR	2193

ND = Not Detected at or above Reporting Limit (RL).



Q C B a t c h R e p o r t

Client: Aqua Resources
Project Name: Ransome
Project Number: 90239.3

Laboratory Login Number: 104631
Report Date: 02 August 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 2193

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	50	mg/Kg	SMWW 17:5520EF	31-JUL-91

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	91%	SMWW 17:5520EF	31-JUL-91
BSD	89%	SMWW 17:5520EF	31-JUL-91

Average Spike Recovery	90%	Control Limits	80% - 120%
Relative Percent Difference	2.6%		< 20%

AQUA RESOURCES, INC.



CHAIN OF CUSTODY RECORD

SHIPMENT NO.: 31

PAGE 1 OF 1

DATE 7/26/91

PROJECT NAME: RANSOME

PROJECT NO.: 90239.3

Sample Number	Location (Depth - ft)	Type of Sample		Type of Container	Type of Preservation		Analysis Required
		Material	Method		Temp	Chemical	
SP-TI-1	4 1/2	Soil	Drive	Brass Tube	±4°C		COMPOSITE AND RUN 1*
SP-TI-2	3	"	"	"	"		1, 2, 3
SP-TI-3	6 1/2	"	"	"	"		1, 2, 3
SP-TI-4	7 1/2	"	"	"	"		1
TP-J-1	9 1/2	"	"	"	"		1
TP-J-2	5 1/2	"	"	"	"		1
TP-J-3	9 1/2	"	"	"	"		1, 2, 3
DE-45*	5	"	"	"	"		1, 2
DB-46	10 1/2	"	"	"	"		1
DS-47	6	"	"	"	"		

Total Number of Samples Shipped: 10 Sampler's Signature: [Signature]

Relinquished By: Signature: <u>[Signature]</u> Printed Name: <u>Aaron M. Stessman</u> Company: <u>Aqua Resources</u> Reason: <u>For Analysis</u>	Received By: Signature: <u>[Signature]</u> Printed Name: <u>Lourinda Brewster</u> Company: <u>CT - Berkeley</u>	Date: <u>7/26/91</u> Time: _____
Relinquished By: Signature: _____ Printed Name: _____ Company: _____ Reason: _____	Received By: Signature: _____ Printed Name: _____ Company: _____	Date: <u>1/1</u> Time: _____

REMARKS:

- ① = TVHG + BTEX
- ② = TPHD
- ③ = O&G
- ④ = TVHG only
- * = 43 hr. RUSH

5 day turnaround
on all samples

Special Shipment / Handling / Storage Requirements:



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 07/30/91
DATE REPORTED: 08/06/91

AQUA RESOURCES, INC
RECEIVED

AUG - 9 1991

LABORATORY NUMBER: 104642


JOB NO. _____
FILE _____

CLIENT: AQUA RESOURCES, INC.

PROJECT ID: 90239.3

LOCATION: RANSOME

RESULTS: SEE ATTACHED



QA/QC Approval



Final Approval

Berkeley

Wilmington

Los Angeles

LABORATORY NUMBER: 104642
 CLIENT: AQUA RESOURCES, INC.
 PROJECT ID: 90239.3
 LOCATION: RANSOME

DATE RECEIVED: 07/30/91
 DATE ANALYZED: 08/04,05/91
 DATE REPORTED: 08/06/91

Total Volatile Hydrocarbons with BTXE in Soils and Wastes
 TVH by California DOHS Method/LUFT Manual October 1989
 BTXE by EPA 5030/8020

LAB ID	SAMPLE ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
104642-1	TP-J-4	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
104642-3	TP-J-6	11,000	9,500	ND(4,000)	180,000	780,000
104642-4	TP-J-7	1.6	ND(5.0)	ND(5.0)	ND(5.0)	9.1
104642-5	TP-J-8	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	6.1

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	1
RECOVERY, %	91



LABORATORY NUMBER: 104642
CLIENT: AQUA RESOURCES, INC.
PROJECT ID: 90239.3
LOCATION: RANSOME

DATE RECEIVED: 07/30/91
DATE ANALYZED: 08/04/91
DATE REPORTED: 08/06/91

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	REPORTING LIMIT (mg/Kg)
104642-2	TP-J-5	29	1.0

QA/QC SUMMARY

RPD, %	1
RECOVERY, %	91



LABORATORY NUMBER: 104642
CLIENT: AQUA RESOURCES, INC.
PROJECT ID: 90239.3
LOCATION: RANSOME

DATE RECEIVED: 07/30/91
DATE EXTRACTED: 08/01/91
DATE ANALYZED: 08/02/03/91
DATE REPORTED: 08/06/91

Extractable Petroleum Hydrocarbons in Soils & Wastes
California DOHS Method
LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg /Kg)	DIESEL RANGE (mg /Kg)	REPORTING LIMIT* (mg /Kg)
104642-1	TP-J-4	ND	4.4	1.0
104642-2	TP-J-5	ND	9.6	1.0
104642-3	TP-J-6	ND	500	10
104642-4	TP-J-7	ND	ND	1.0
104642-5	TP-J-8	ND	ND	1.0

ND = Not Detected at or above reporting limit.

*Reporting limit applies to all analytes.

QA/QC SUMMARY

RPD, %	4
RECOVERY, %	113



Client: Aqua Resources

Laboratory Login Number: 104642

Project Name: Ransome
Project Number: 90239.3

Report Date: 06 August 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric) METHOD: SMWW 17:5520EF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
104642-001	TP-J-4	Soil	30-JUL-91	30-JUL-91	05-AUG-91	72	mg/Kg	50	TR	2239
104642-002	TP-J-5	Soil	30-JUL-91	30-JUL-91	05-AUG-91	410	mg/Kg	50	TR	2239
104642-003	TP-J-6	Soil	30-JUL-91	30-JUL-91	05-AUG-91	330	mg/Kg	50	TR	2239
104642-004	TP-J-7	Soil	30-JUL-91	30-JUL-91	05-AUG-91	ND	mg/Kg	50	TR	2239
104642-005	TP-J-8	Soil	30-JUL-91	30-JUL-91	05-AUG-91	ND	mg/Kg	50	TR	2239

ND = Not Detected at or above Reporting Limit (RL).



Q C Batch Report

Client: Aqua Resources
Project Name: Ransome
Project Number: 90239.3

Laboratory Login Number: 104642
Report Date: 06 August 91

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric)

QC Batch Number: 2239

Blank Results

Sample ID	Result	MDL	Units	Method	Date Analyzed
BLANK	ND	50	mg/Kg	SMWW 17:5520EF	05-AUG-91

Spike/Duplicate Results

Sample ID	Recovery	Method	Date Analyzed
BS	88%	SMWW 17:5520EF	05-AUG-91
BSD	93%	SMWW 17:5520EF	05-AUG-91

		Control Limits
Average Spike Recovery	91%	80% - 120%
Relative Percent Difference	5.6%	< 20%



LABORATORY NUMBER: 104642-2
CLIENT: AQUA RESOURCES, INC.
PROJECT ID: 90239.3
LOCATION: RANSOME
SAMPLE ID: TP-J-5

DATE RECEIVED: 07/30/91
DATE ANALYZED: 08/02/91
DATE REPORTED: 08/06/91

EPA 8010
Purgeable Halocarbons in Soils and Waste

Compound	Result ug/Kg	Reporting Limit ug/Kg
chloromethane	ND	20
bromomethane	ND	20
vinyl chloride	ND	20
chloroethane	ND	20
methylene chloride	ND	20
trichlorofluoromethane	ND	10
1,1-dichloroethene	ND	10
1,1-dichloroethane	ND	10
cis-1,2-dichloroethene	ND	10
trans-1,2-dichloroethene	ND	10
chloroform	ND	10
freon 113	ND	10
1,2-dichloroethane	ND	10
1,1,1-trichloroethane	ND	10
carbon tetrachloride	ND	10
bromodichloromethane	ND	10
1,2-dichloropropane	ND	10
cis-1,3-dichloropropene	ND	10
trichloroethylene	ND	10
1,1,2-trichloroethane	ND	10
trans-1,3-dichloropropene	ND	10
dibromochloromethane	ND	10
2-chloroethyl vinyl ether	ND	20
bromoform	ND	10
tetrachloroethene	ND	10
1,1,2,2-tetrachloroethane	ND	10
chlorobenzene	ND	10
1,3-dichlorobenzene	ND	10
1,2-dichlorobenzene	ND	10
1,4-dichlorobenzene	ND	10

ND = Not detected at or above reporting limit..

QA/QC SUMMARY

RPD, %	12
RECOVERY, %	82



LABORATORY NUMBER: 104642-2
CLIENT: AQUA RESOURCES, INC.
PROJECT ID: 90239.3
LOCATION: RANSOME
SAMPLE ID: TP-J-5

DATE RECEIVED: 07/30/91
DATE ANALYZED: 08/02/91
DATE REPORTED: 08/06/91

EPA 8020: Volatile Aromatic Hydrocarbons Soils and Waste

COMPOUND	RESULT ug/Kg	REPORTING LIMIT ug/Kg
Benzene.....	76	10
Toluene.....	ND	10
Ethyl Benzene.....	34	10
Total Xylenes.....	43	10
Chlorobenzene.....	ND	10
1,4-Dichlorobenzene.....	ND	10
1,3-Dichlorobenzene.....	ND	10
1,2-Dichlorobenzene.....	ND	10

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	6
RECOVERY, %	103

104042

AQUA RESOURCES, INC.

SHIPMENT NO.: 33
 PAGE 1 OF 1
 DATE 7/30/91



CHAIN OF CUSTODY RECORD

PROJECT NAME: RANSOME
 PROJECT NO.: 90239.3

Sample Number	Location (Depth)	Type of Sample		Type of Container	Type of Preservation		Analysis Required
		Material	Method		Temp	Chemical	
TP-J-4	5'	Soil	Drive	Brass Tube	±4°C		1, 2, 3
TP-J-5	7 1/2'	"	"	"	"		2, 3, 4, 5 1, 2, 3
TP-J-6	9'	"	"	"	"		1, 2, 3
TP-J-7	9'	"	"	"	"		1, 2, 3
TP-J-8	9 1/2'	"	"	"	"		1, 2, 3

Total Number of Samples Shipped: 5 Sampler's Signature: [Signature]

Relinquished By: [Signature] Received By: [Signature]
 Signature: [Signature] Signature: Norma J. Rubin
 Printed Name: Aaron M. Stessman Printed Name: Norma J. Rubin
 Company: Aqua Resources Company: C. T. Lab
 Reason: For Analysis

Relinquished By: _____ Received By: _____
 Signature: _____ Signature: _____
 Printed Name: _____ Printed Name: _____
 Company: _____ Company: _____
 Reason: _____

Date: 7/30/91 Time: 1:50
 Date: / / Time: :

- REMARKS:
- ① TVHG+BTEX
 - ② TPHD
 - ③ OEG
 - ④ 8010

5 Day Turnaround on All

Special Shipment / Handling / Storage Requirements:

APPENDIX M

LABORATORY CERTIFICATES - VERIFICATION SAMPLES, NORTHERN AREA

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 12/17/91
Reported: 12/19/91
Job #: 73110

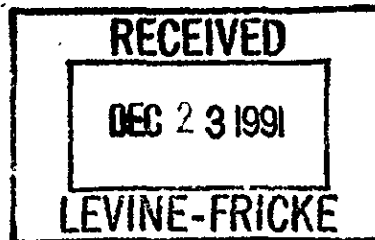
Project: Yerba Buena, Emeryville, CA
Matrix: Soil

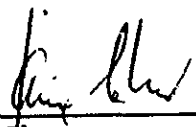
Total Hydrocarbon Analysis
Standard Methods, 16th Edition 503E
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Total Hydrocarbons</u>	<u>MDL</u>
73110-1	SW-2-8	ND<50	50
73110-2	SW-1-8	ND<50	50
73110-3	BS-1-13	ND<50	50
73110-4	BS-2-12	ND<50	50
73110-5	BS-3-11	ND<50	50

QA/QC: Spike Recovery: 94%

MDL: Method Detection Limit. Compound below this level would not be detected.





Jaime Chow
Laboratory Director

JC/vb



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 12/17/91
Reported: 12/19/91
Job #: 73110

Project: Yerba Buena, Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73110-1	SW-2-8	ND<50	50
73110-2	SW-1-8	ND<50	50
73110-3	BS-1-13	ND<50	50
73110-4	BS-2-12	ND<50	50
73110-5	BS-3-11	ND<50	50

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 12/17/91
Reported: 12/19/91
Job #: 73110

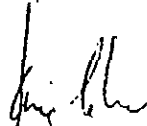
Project: Yerba Buena, Emeryville, CA
Matrix: Soil

**Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg**

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73110-1	SW-2-8	ND<10	10
73110-2	SW-1-8	ND<10	10
73110-3	BS-1-13	ND<10	10
73110-4	BS-2-12	ND<10	10
73110-5	BS-3-11	ND<10	10

QA/QC: Spike Recovery for Diesel: 100.5%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 12/17/91

Reported: 12/19/91

Job #: 73110

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville, CA
Matrix: Soil


Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73110-1	SW-2-8	ND<0.005	0.005	ND<0.005	0.005
73110-2	SW-1-8	ND<0.005	0.005	ND<0.005	0.005
73110-3	BS-1-13	ND<0.005	0.005	ND<0.005	0.005
73110-4	BS-2-12	ND<0.005	0.005	ND<0.005	0.005
73110-5	BS-3-11	ND<0.005	0.005	ND<0.005	0.005

<u>Lab ID</u>	<u>Client ID</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
73110-1	SW-2-8	ND<0.005	0.005	ND<0.005	0.005
73110-2	SW-1-8	ND<0.005	0.005	ND<0.005	0.005
73110-3	BS-1-13	ND<0.005	0.005	ND<0.005	0.005
73110-4	BS-2-12	ND<0.005	0.005	ND<0.005	0.005
73110-5	BS-3-11	ND<0.005	0.005	ND<0.005	0.005

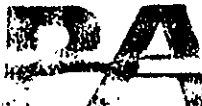
QA/QC: Spike Recovery for Benzene: 85%
Spike Recovery for Toluene: 87%
Spike Recovery for Xylene: 87%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 12/17/91
Reported: 12/19/91
Job #: 73110

Project: Yerba Buena, Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73110-1	SW-2-8	ND<10	10
73110-2	SW-1-8	ND<10	10
73110-3	BS-1-13	ND<10	10
73110-4	BS-2-12	ND<10	10
73110-5	BS-3-11	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 12/20/91
Reported: 12/23/91
Job #: 73115

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

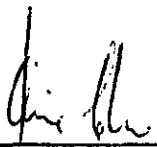
Project: Yerba Buena, Emeryville,
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
Standard Methods, 17th Edition, 5520F
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Total Petroleum Hydrocarbons</u>	<u>MDL</u>
73115-1	BS-4	ND<50	50
73115-2	BS-5	ND<50	50
73115-3	SW-3	ND<50	50

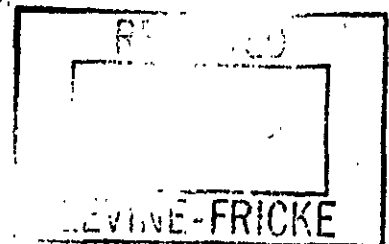
QA/QC: Spike Recovery: 98%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



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1900 Powell Street, 12th Floor
Emeryville, CA 94608


Received: 12/20/91
Reported: 12/23/91
Job #: 73115

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73115-1	BS-4	ND<50	50
73115-2	BS-5	ND<50	50
73115-3	SW-3	ND<50	50

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



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Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 12/20/91
Reported: 12/23/91
Job #: 73115

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Gasoline, MDL. Rows include 73115-1, 73115-2, 73115-3 with corresponding Client IDs and MDL values.

QA/QC: Spike Recovery: 96%

MDL: Method Detection Limit. Compound below this level would not be detected.

Handwritten signature

Jaime Chow
Laboratory Director

JC/td



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1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 12/20/91
Reported: 12/23/91
Job #: 73115

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73115-1	BS-4	ND<10	10
73115-2	BS-5	ND<10	10
73115-3	SW-3	ND<10	10

QA/QC: Spike Recovery: 97%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td



CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 12/20/91
Reported: 12/23/91
Job #: 73115

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab ID, Client ID, Benzene, MDL, Toluene, MDL. Rows for samples 73115-1, 73115-2, 73115-3.

Table with 6 columns: Lab ID, Client ID, Ethyl-benzene, MDL, Xylenes, MDL. Rows for samples 73115-1, 73115-2, 73115-3.

QA/QC: Spike Recovery for Benzene: 87%
Spike Recovery for Toluene: 92%
Spike Recovery for Xylene: 88%

MDL: Method Detection Limit. Compound below this level would not be detected.

Handwritten signature of Jaime Chow

Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: <u>1649.07</u>			Field Logbook No.:			Date: <u>12/19/91</u>			Serial No.: <u>7554</u>					
Project Name: <u>Yerba Buena</u>			Project Location: <u>Emeryville</u>											
Sampler (Signature) <u>William C. Prohiser</u>			ANALYSES						Samplers: <u>WEM</u>					
SAMPLES														
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	EPA-801	EPA-802	8015-PP-065	8020	WTEX	5320F	HOLD	RUSH	REMARKS
<u>BS-4</u>	<u>12/19/91</u>	<u>9:30</u>		<u>1</u>	<u>Soil</u>			<u>X</u>	<u>X</u>	<u>X</u>				<u>48-Hour Rush</u> <u>Results to CEB</u>
<u>BS-5</u>		<u>14:15</u>		↓				<u>X</u>	<u>X</u>	<u>X</u>				
<u>SW-3</u>		<u>14:30</u>		↓				<u>X</u>	<u>X</u>	<u>X</u>				
<u>SW-4</u>		<u>15:00</u>		↓				<u>X</u>	<u>X</u>	<u>X</u>				
RELINQUISHED BY: (Signature) <u>William C. Prohiser</u>			DATE <u>12/19/91</u>	TIME <u>16:50</u>	RECEIVED BY: (Signature) <u>Gene L. Low</u>			DATE <u>12/19/91</u>	TIME <u>17:25</u>					
RELINQUISHED BY: (Signature)			DATE	TIME	RECEIVED BY: (Signature)			DATE	TIME					
RELINQUISHED BY: (Signature)			DATE	TIME	RECEIVED BY: (Signature)			DATE	TIME					
METHOD OF SHIPMENT:			DATE	TIME	LAB COMMENTS:									
Sample Collector: <u>LEVINE-FRICKE</u> <u>1900 Powell Street, 12th Floor</u> <u>Emeryville, Ca 94608</u> <u>(415) 652-4500</u>					Analytical Laboratory: <u>Precision Analytical</u>									



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 12/20/91
Reported: 12/23/91
Job #: 73116

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608


Project: Yerba Buena, Emeryville, 1649.07
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
Standard Methods, 17th Edition, 5520F
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Total Petroleum Hydrocarbons</u>	<u>MDL</u>
73116-1	SW-5	ND<50	50
73116-2	SW-6	ND<50	50
73116-3	SW-7	ND<50	50
73116-4	SW-8	ND<50	50
73116-5	SW-9	ND<50	50
73116-6	BS-6	ND<50	50

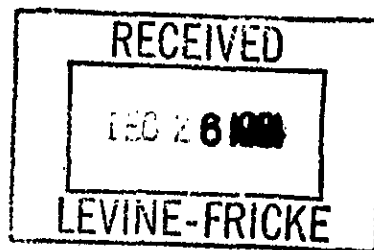
QA/QC: Spike Recovery: 96%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608


Received: 12/20/91
Reported: 12/23/91
Job #: 73116

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73116-1	SW-5	ND<50	50
73116-2	SW-6	ND<50	50
73116-3	SW-7	ND<50	50
73116-4	SW-8	ND<50	50
73116-5	SW-9	ND<50	50
73116-6	BS-6	ND<50	50

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



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Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 12/20/91
Reported: 12/23/91
Job #: 73116

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Gasoline, MDL. Rows 1-6 showing analysis results for various samples.

QA/QC: Spike Recovery: 96%

MDL: Method Detection Limit. Compound below this level would not be detected.

Handwritten signature of Jaime Chow

Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

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Received: 12/20/91
Reported: 12/23/91
Job #: 73116

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

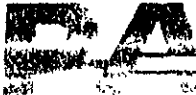
<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73116-1	SW-5	ND<10	10
73116-2	SW-6	ND<10	10
73116-3	SW-7	ND<10	10
73116-4	SW-8	ND<10	10
73116-5	SW-9	ND<10	10
73116-6	BS-6	ND<10	10

QA/QC: Spike Recovery: 97%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

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FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 12/20/91
Reported: 12/23/91
Job #: 73116

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab ID, Client ID, Benzene, MDL, Toluene, MDL. Rows 1-6 showing data for various samples.

Table with 6 columns: Lab ID, Client ID, Ethyl-benzene, MDL, Xylenes, MDL. Rows 1-6 showing data for various samples.

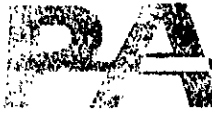
QA/QC: Spike Recovery for Benzene: 102%
Spike Recovery for Toluene: 106%
Spike Recovery for Xylene: 102%

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07			Field Logbook No.:			Date: 12/20/91		Serial No.: 10559					
Project Name: Yerba Buena-Ransome			Project Location: Emeryville										
Sampler (Signature): <i>William Madelin</i>			ANALYSES						Samplers: WEM				
SAMPLES									REMARKS				
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA-601	EPA-624	60151/PP/60	6020-BTEC	5520F	HOLD	RUSH	
SW-5	12/20/91			1	Soil		X	X	X		X		48-Hour TAT Results to Cindy Barclay
SW-6				1			X	X	X		X		
SW-7				1			X	X	X		X		
SW-8				1			X	X	X		X		
SW-9				1			X	X	X		X		
BS-6				1			X	X	X		X		
RELINQUISHED BY: (Signature) <i>William Madelin</i>			DATE	TIME	RECEIVED BY: (Signature) <i>Cindy Barclay</i>			DATE	TIME				
RELINQUISHED BY: (Signature)			DATE	TIME	RECEIVED BY: (Signature)			DATE	TIME				
RELINQUISHED BY: (Signature)			DATE	TIME	RECEIVED BY: (Signature)			DATE	TIME				
METHOD OF SHIPMENT:			DATE	TIME	LAB COMMENTS:								
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500					Analytical Laboratory: <i>Precision Analytical</i>								



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (510) 222-3002 FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 12/23/91
Reported: 12/26/91
Job #: 73122

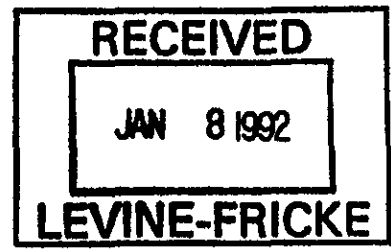
Project: Yerba Buena, Emeryville, CA/1649.07
Matrix: Soil
COC: 10561

Total Hydrocarbon Analysis
Standard Methods, 17th Edition 5520 F
mg/Kg

Table with 4 columns: Lab ID, Client ID, Total Hydrocarbons, MDL. Rows include Lab IDs 73122-1 through 73122-5 and Client IDs SW-10, BS-7, BS-8, SW-11, BS-9. All hydrocarbon results are ND<50 and MDL is 50.

QA/QC: Spike Recovery: 96%

MDL: Method Detection Limit. Compound below this level would not be detected.



Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/vb



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

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1900 Powell Street, 12th Floor
Emeryville, CA 94608

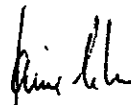
Received: 12/23/91
Reported: 12/26/91
Job #: 73122

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73122-1	SW-10	ND<50	50
73122-2	BS-7	ND<50	50
73122-3	BS-8	ND<50	50
73122-4	SW-11	ND<50	50
73122-5	BS-9	ND<50	50

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 12/23/91
Reported: 12/26/91
Job #: 73122

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Diesel, MDL. Rows include 73122-1 through 73122-5 with corresponding client IDs and Diesel/MDL values.

QA/QC: Spike Recovery for Diesel: 89%

MDL: Method Detection Limit. Compound below this level would not be detected.

Handwritten signature of Jaime Chow

Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

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STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

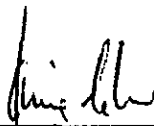
Received: 12/23/91
Reported: 12/26/91
Job #: 73122

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73122-1	SW-10	ND<10	10
73122-2	BS-7	ND<10	10
73122-3	BS-8	ND<10	10
73122-4	SW-11	ND<10	10
73122-5	BS-9	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 12/23/91
 Reported: 12/26/91
 Job #: 73122

Attn: Cindy Barclay
 Levine-Fricke
 1900 Powell Street, 12th Floor
 Emeryville, CA 94608

Project: Yerba Buena - Emeryville
 Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
 EPA Method 8020
 mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73122-1	SW-10	ND<0.005	0.005	ND<0.005	0.005
73122-2	BS-7	ND<0.005	0.005	ND<0.005	0.005
73122-3	BS-8	ND<0.005	0.005	ND<0.005	0.005
73122-4	SW-11	ND<0.005	0.005	ND<0.005	0.005
73122-5	BS-9	ND<0.005	0.005	ND<0.005	0.005

<u>Lab ID</u>	<u>Client ID</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
73122-1	SW-10	ND<0.005	0.005	ND<0.005	0.005
73122-2	BS-7	ND<0.005	0.005	ND<0.005	0.005
73122-3	BS-8	ND<0.005	0.005	ND<0.005	0.005
73122-4	SW-11	ND<0.005	0.005	ND<0.005	0.005
73122-5	BS-9	0.047	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 89%
 Spike Recovery for Toluene: 85%
 Spike Recovery for Xylene: 95%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
 Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: <u>1649.07</u>			Field Logbook No.:			Date: <u>12/23/91</u>			Serial No.: <u>10561</u>					
Project Name: <u>Yerba Buena-Ransom</u>			Project Location: <u>Emeryville</u>											
Sampler (Signature): <u>[Signature]</u>			ANALYSES						Samplers: <u>WEM</u>					
SAMPLES														
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	ANALYSES					HOLD	RUSH	REMARKS	
						789A-601	789A-624	8051 PH 2100	8022-01EX	5520F				
<u>SW-10</u>	<u>12/23/91</u>	<u>8:00</u>		<u>1</u>	<u>Soil</u>			<u>X</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>48-Hour TAT</u>	
<u>BS-7</u>		<u>8:15</u>		<u>1</u>				<u>X</u>	<u>X</u>	<u>X</u>		<u>X</u>		
<u>BS-8</u>		<u>13:15</u>		<u>1</u>				<u>X</u>	<u>X</u>	<u>X</u>		<u>X</u>	<u>Results to Cindy Barclay</u>	
<u>SW-11</u>		<u>14:45</u>		<u>1</u>				<u>X</u>	<u>X</u>	<u>X</u>		<u>X</u>		
<u>BS-9</u>		<u>15:00</u>		<u>1</u>				<u>X</u>	<u>X</u>	<u>X</u>		<u>X</u>		
RELINQUISHED BY: <u>[Signature]</u>			DATE: <u>12/23/91</u>		TIME: <u>16:45</u>		RECEIVED BY: <u>[Signature]</u>			DATE: <u>12/23/91</u>		TIME: <u>17:45</u>		
RELINQUISHED BY: (Signature)			DATE		TIME		RECEIVED BY: (Signature)			DATE		TIME		
RELINQUISHED BY: (Signature)			DATE		TIME		RECEIVED BY: (Signature)			DATE		TIME		
METHOD OF SHIPMENT:			DATE		TIME		LAB COMMENTS:							
Sample Collector: <u>LEVINE-FRICKE</u> 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500			Analytical Laboratory: <u>Precision Analytical</u>											



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 12/26/91
Reported: 12/30/91
Job #: 73125

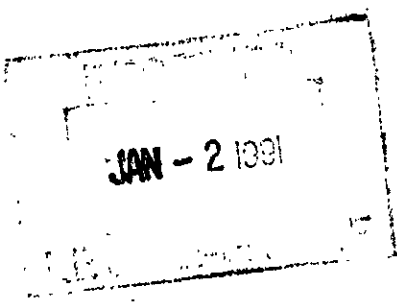
Project: Yerba Buena, Emeryville, CA - 1649.07
Matrix: Soil
COC #: 0560

Total Hydrocarbon Analysis
Standard Methods, 17th Edition 5520 F
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Total Hydrocarbons</u>	<u>MDL</u>
73125-1	BS-10	ND<50	50
73125-2	BS-11	ND<50	50
73125-3	BS-12	ND<50	50
73125-4	BS-13	ND<50	50

QA/QC: Spike Recovery: 95%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 12/26/91
Reported: 12/30/91
Job #: 73125

Project: Yerba Buena, Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Oil, MDL. Rows include samples 73125-1 through 73125-4 with results ND<50 and MDL 50.

QA/QC: Spike Recovery: 120%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

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Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 12/26/91
Reported: 12/30/91
Job #: 73125

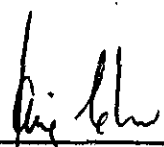
Project: Yerba Buena, Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73125-1	BS-10	ND<10	10
73125-2	BS-11	ND<10	10
73125-3	BS-12	ND<10	10
73125-4	BS-13	ND<10	10

QA/QC: Spike Recovery: 112%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



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Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 12/26/91
Reported: 12/30/91
Job #: 73125

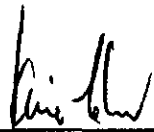
Project: Yerba Buena, Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73125-1	BS-10	ND<10	10
73125-2	BS-11	ND<10	10
73125-3	BS-12	ND<10	10
73125-4	BS-13	ND<10	10

QA/QC: Spike Recovery: 110%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 12/26/91
Reported: 12/30/91
Job #: 73125

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena - Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab ID, Client ID, Benzene, MDL, Toluene, MDL. Rows 73125-1 to 73125-4.

Table with 6 columns: Lab ID, Client ID, Ethyl-benzene, MDL, Xylenes, MDL. Rows 73125-1 to 73125-4.

QA/QC: Spike Recovery for Benzene: 100%
Spike Recovery for Toluene: 88%
Spike Recovery for Xylene: 85%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07				Field Logbook No.:				Date: 12/26/71		Serial No.: 10560				
Project Name: Yerba Buena				Project Location: Emeryville				ANALYSES		Samplers: WEM				
Sampler (Signature): <i>[Signature]</i>				SAMPLES				HOLD		RUSH				
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	ANALYSES						REMARKS		
						EPA 604	EPA 821	MSB	THA	DG.C	W-20		BIEX	ISS/DIF
B5-10	12/26/71	10:00		1	Soil			X	X	X			X	48-Hour TAT Results to Civly Barclay
B5-11	1	10:10		1				X	X	X			X	
B5-12	1	15:45		1				X	X	X			X	
B5-13	1	15:15		1				X	X	X			X	
RELINQUISHED BY: (Signature)	<i>[Signature]</i>			DATE	TIME	RECEIVED BY: (Signature)		<i>[Signature]</i>		DATE	TIME			
RELINQUISHED BY: (Signature)				DATE	TIME	RECEIVED BY: (Signature)				DATE	TIME			
RELINQUISHED BY: (Signature)				DATE	TIME	RECEIVED BY: (Signature)				DATE	TIME			
METHOD OF SHIPMENT:				DATE	TIME	LAB COMMENTS:								
Sample Collector:	LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500					Analytical Laboratory: <i>Precision Analytical</i>								



Precision Analytical Laboratory, Inc.

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Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 12/27/91
Reported: 12/31/91
Job #: 73130

Project: Yerba Buena, Emeryville, CA - 1649.07
Matrix: Soil
COC# 7459

Total Hydrocarbon Analysis
Standard Methods, 17th Edition 5520 F
mg/Kg

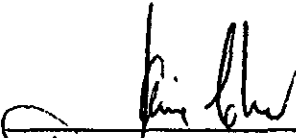
<u>Lab ID</u>	<u>Client ID</u>	<u>Total Hydrocarbons</u>	<u>MDL</u>
73130-1	BS-14	ND<50	50
73130-2	BS-15	ND<50	50
73130-3	SW-12	ND<50	50
73130-4	SW-13	ND<50	50

QA/QC: Spike Recovery: 95%

MDL: Method Detection Limit. Compound below this level would not be detected.

LABORATORY

JAN 3 1992


Saima Chow
Laboratory Director

JC/td



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Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 12/27/91
Reported: 12/31/91
Job #: 73130

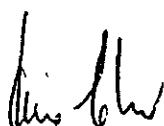
Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73130-1	BS-14	ND<50	50
73130-2	BS-15	ND<50	50
73130-3	SW-12	ND<50	50
73130-4	SW-13	ND<50	50

QA/QC: Spike Recovery for Oil: 99%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



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1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 12/27/91
Reported: 12/31/91
Job #: 73130

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73130-1	BS-14	ND<10	10
73130-2	BS-15	ND<10	10
73130-3	SW-12	ND<10	10
73130-4	SW-13	ND<10	10

QA/QC: Spike Recovery for Diesel: 107%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

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Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 12/27/91
Reported: 12/31/91
Job #: 73130

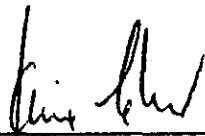
Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73130-1	BS-14	ND<10	10
73130-2	BS-15	ND<10	10
73130-3	SW-12	28	10
73130-4	SW-13	180	10

QA/QC: Spike Recovery for Gasoline: 96%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 12/27/91
Reported: 12/31/91
Job #: 73130

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena - Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab ID, Client ID, Benzene, MDL, Toluene, MDL. Rows include data for Lab IDs 73130-1 through 73130-4.

Table with 6 columns: Lab ID, Client ID, Ethylbenzene, MDL, Xylenes, MDL. Rows include data for Lab IDs 73130-1 through 73130-4.

QA/QC: Spike Recovery for Benzene: 110%
Spike Recovery for Toluene: 95%
Spike Recovery for Xylene: 77%

MDL: Method Detection Limit. Compound below this level would not be detected.

Handwritten signature of Jaime Chow

Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: <u>1649.07</u>			Field Logbook No.:			Date: <u>12/27/91</u>		Serial No.: <u>7459</u>															
Project Name: <u>Yerba Buena - Ransom</u>			Project Location: <u>Emeryville</u>			ANALYSES			Samplers: <u>WEM</u>														
Sampler (Signature): <u>[Signature]</u>			SAMPLER						HOLD		RUSH												
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	TEA-601	TEA-624	TEA-607	TEA-608	TEA-609	TEA-610	TEA-611	TEA-612	TEA-613	TEA-614	TEA-615	TEA-616	TEA-617	TEA-618	TEA-619	TEA-620	REMARKS	
<u>BS-14</u>	<u>12/27/91</u>	<u>12:25</u>		<u>1</u>	<u>Soil</u>			<u>X</u>	<u>X</u>	<u>X</u>												<u>48-Hour TAT</u>	
<u>BS-15</u>	<u>"</u>	<u>12:15</u>		<u>1</u>	<u>"</u>			<u>X</u>	<u>X</u>	<u>X</u>													
<u>SW-12</u>	<u>"</u>	<u>13:45</u>		<u>1</u>	<u>"</u>			<u>X</u>	<u>X</u>	<u>X</u>													
<u>SW-13</u>	<u>"</u>	<u>13:55</u>		<u>1</u>	<u>"</u>			<u>X</u>	<u>X</u>	<u>X</u>													<u>Results to CEB</u> <u>(Cindy Barclay)</u>
RELINQUISHED BY: (Signature) <u>[Signature]</u>						DATE: <u>12/27/91</u>	TIME: <u>17:00</u>	RECEIVED BY: (Signature) <u>[Signature]</u>						DATE: <u>12/27</u>	TIME: <u>17:45</u>								
RELINQUISHED BY: (Signature)						DATE	TIME	RECEIVED BY: (Signature)						DATE	TIME								
RELINQUISHED BY: (Signature)						DATE	TIME	RECEIVED BY: (Signature)						DATE	TIME								
METHOD OF SHIPMENT:						DATE	TIME	LAB COMMENTS:															
Sample Collector: <u>LEVINE-FRICKE</u> <u>1900 Powell Street, 12th Floor</u> <u>Emeryville, Ca 94608</u> <u>(415) 652-4500</u>						Analytical Laboratory: <u>Precision Analytical</u>																	

Precision Analytical Laboratory, Inc.

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

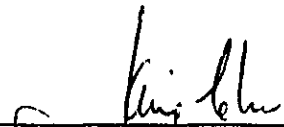
Received: 01/03/92
Reported: 01/06/92
Job #: 73135

Project: Yerba Buena, Emeryville, CA -
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73135-1	BS-16	ND<50	50
73135-2	BS-17	ND<50	50
73135-3	SW-14	ND<50	50

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

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1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 01/03/92
Reported: 01/06/92
Job #: 73135

Project: Yerba Buena, Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73135-1	BS-16	ND<10	10
73135-2	BS-17	ND<10	10
73135-3	SW-14	ND<10	10

QA/QC: Spike Recovery: 111%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Ghow
Laboratory Director

JC/td



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Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 01/03/92
Reported: 01/06/92
Job #: 73135

Project: Yerba Buena, Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73135-1	BS-16	ND<10	10
73135-2	BS-17	ND<10	10
73135-3	SW-14	97	10

QA/QC: Spike Recovery: 103%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

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STATE LICENSE NO. E 750

Received: 01/03/92

Reported: 01/06/92

Job #: 73135

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville, CA
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab ID, Client ID, Benzene, MDL, Toluene, MDL. Rows include data for Lab IDs 73135-1, 73135-2, and 73135-3.

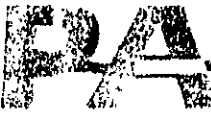
Table with 6 columns: Lab ID, Client ID, Ethyl-benzene, MDL, Xylenes, MDL. Rows include data for Lab IDs 73135-1, 73135-2, and 73135-3.

QA/QC: Spike Recovery for Benzene: 83%
Spike Recovery for Toluene: 81%
Spike Recovery for Xylene: 80%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/03/92
Reported: 01/07/92
Job #: 73135

Attn: Cindy Barclay
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1900 Powell Street, 12th Floor
Emeryville, CA 94608

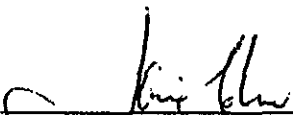
Project: Yerba Buena, Emeryville
Matrix: Soil
LOC : 10568

Total Petroleum Hydrocarbon Analysis
Standard Methods, 17th Edition, 5520F
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Total Petroleum Hydrocarbons</u>	<u>MDL</u>
73135-1	BS-16	ND<50	50
73135-2	BS-17	ND<50	50
73135-3	SW-14	ND<50	50

QA/QC: Spike Recovery: 92%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/10/92

Reported: 01/14/92

Job #: 73157

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

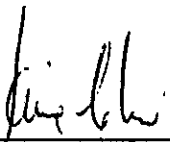
Project: Yerba Buena, Emeryville .
Matrix: Soil - ~~4136~~

Total Petroleum Hydrocarbon Analysis
Standard Methods, 17th Edition, 5520F
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Total Petroleum Hydrocarbons</u>	<u>MDL</u>
73157-1	BS-18	ND<50	50
73157-2	BS-19	ND<50	50
73157-3	SW-15	ND<50	50

QA/QC: Spike Recovery: 93%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

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Emeryville, CA 94608

Received: 01/10/92
Reported: 01/14/92
Job #: 73157

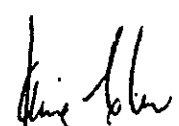
Project: Yerba Buena, Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73157-1	BS-18	ND<50	50
73157-2	BS-19	ND<50	50
73157-3	SW-15	ND<50	50

QA/QC: Spike Recovery: 89%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

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1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 01/10/92
Reported: 01/14/92
Job #: 73157

Project: Yerba Buena, Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73157-1	BS-18	ND<10	10
73157-2	BS-19	ND<10	10
73157-3	SW-15	ND<10	10

QA/QC: Spike Recovery: 93%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

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1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 01/10/92
Reported: 01/14/92
Job #: 73157

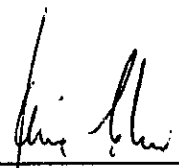
Project: Yerba Buena, Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73157-1	BS-18	ND<10	10
73157-2	BS-19	ND<10	10
73157-3	SW-15	ND<10	10

QA/QC: Spike Recovery: 94%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/10/92

Reported: 01/14/92

Job #: 73157

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

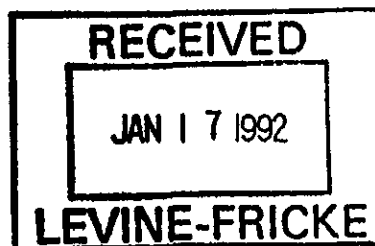
Project: Yerba Buena, Emeryville - 1649.07
Matrix: Soil
COC: 10569

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Lab ID	Client ID	Benzene	MDL	Toluene	MDL
73157-1	BS-18	ND<0.005	0.005	ND<0.005	0.005
73157-2	BS-19	ND<0.005	0.005	ND<0.005	0.005
73157-3	SW-15	ND<0.005	0.005	ND<0.005	0.005

Lab ID	Client ID	Ethyl-benzene	MDL	Xylenes	MDL
73157-1	BS-18	ND<0.005	0.005	ND<0.005	0.005
73157-2	BS-19	ND<0.005	0.005	ND<0.005	0.005
73157-3	SW-15	ND<0.005	0.005	ND<0.005	0.005

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow

 Jaime Chow
 Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: <u>1649.07</u>			Field Logbook No.:			Date: <u>1/10/92</u>		Serial No.: <u>10569</u>						
Project Name: <u>Yerba Buena</u>			Project Location: <u>Emeryville</u>						Samplers: <u>WEM</u>					
Sampler (Signature): <u>William Madson</u>			SAMPLES			ANALYSES			REMARKS					
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	ANALYSES					HOLD	RUSH	REMARKS	
						EPA 801	EPA 804	8015	TPH 2.60	8020				ATEX
<u>BS-18</u>	<u>1/10/92</u>			<u>1</u>	<u>Soil</u>			<u>X</u>	<u>X</u>	<u>X</u>			<u>X</u>	<u>48-HOUR TAT</u> <u>Results to CINDY BARCLAY</u>
<u>BS-19</u>	<u>1</u>			<u>1</u>	<u> </u>			<u>X</u>	<u>X</u>	<u>X</u>			<u>X</u>	
<u>SW-15</u>	<u>1</u>			<u>1</u>	<u> </u>			<u>X</u>	<u>X</u>	<u>X</u>			<u>X</u>	
RELINQUISHED BY: (Signature) <u>William Madson</u>			DATE <u>1/10/92</u>	TIME <u>12:20</u>	RECEIVED BY: (Signature) <u>Eric L...</u>			DATE <u>1/10/92</u>	TIME <u>1730</u>					
RELINQUISHED BY: (Signature)			DATE	TIME	RECEIVED BY: (Signature)			DATE	TIME					
RELINQUISHED BY: (Signature)			DATE	TIME	RECEIVED BY: (Signature)			DATE	TIME					
METHOD OF SHIPMENT:			DATE	TIME	LAB COMMENTS:									
Sample Collector: <u>LEVINE-FRICKE</u> 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500					Analytical Laboratory: <u>Precision Analytical</u>									



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/16/92
Reported: 01/17/92
Job #: 73187

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

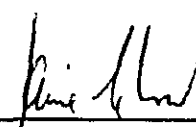
Project: Yerba Buena, Emeryville, CA - 1649.07
Matrix: Soil
COC: 10570

Total Petroleum Hydrocarbon Analysis
Standard Methods, 17th Edition, 5520F
mg/Kg

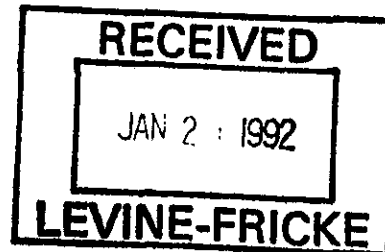
<u>Lab ID</u>	<u>Client ID</u>	<u>Total Petroleum Hydrocarbons</u>	<u>MDL</u>
73187-1	SW-17	ND<50	50
73187-2	SW-18	ND<50	50
73187-3	BS-22	ND<50	50

QA/QC: Spike Recovery: 94%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 01/16/92
Reported: 01/17/92
Job #: 73187

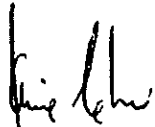
Project: Yerba Buena, Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73187-1	SW-17	ND<50	50
73187-2	SW-18	ND<50	50
73187-3	BS-22	ND<50	50

QA/QC: Spike Recovery: 90%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 01/16/92
Reported: 01/17/92
Job #: 73187

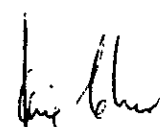
Project: Yerba Buena, Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73187-1	SW-17	ND<10	10
73187-2	SW-18	ND<10	10
73187-3	BS-22	ND<10	10

QA/QC: Spike Recovery: 88%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 01/16/92
Reported: 01/17/92
Job #: 73187

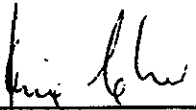
Project: Yerba Buena, Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73187-1	SW-17	ND<10	10
73187-2	SW-18	ND<10	10
73187-3	BS-22	ND<10	10

QA/QC: Spike Recovery: 94%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/16/92

Reported: 01/17/92

Job #: 73187

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

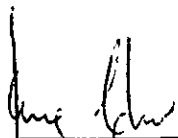
Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Lab ID	Client ID	Benzene	MDL	Toluene	MDL
73187-1	SW-17	ND<0.005	0.005	ND<0.005	0.005
73187-2	SW-18	ND<0.005	0.005	ND<0.005	0.005
73187-3	BS-22	ND<0.005	0.005	ND<0.005	0.005

Lab ID	Client ID	Ethyl- benzene	MDL	Xylenes	MDL
73187-1	SW-17	ND<0.005	0.005	ND<0.005	0.005
73187-2	SW-18	ND<0.005	0.005	ND<0.005	0.005
73187-3	BS-22	ND<0.005	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 95%
Spike Recovery for Toluene: 99%
Spike Recovery for Xylene: 96%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07			Field Logbook No.:			Date: 1/15/92			Serial No.: 10570					
Project Name: Yerba Buena-Ransome			Project Location: Emeryville						Samplers: WEA					
Sampler (Signature): <i>William Proctor</i>			ANALYSES						SAMPLERS:					
SAMPLES														
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	ANALYSES						REMARKS		
						EPA 801	EPA 824	805-17406.0	8030-PTX	5520F	HOLD		RUSH	
SW-17	1/15/92	12:22		1	Soil			x	x	x			x	48-Hour
SW-18	1	14:15		1				x	x	x			x	
BS-22	1	14:30		1				x	x	x			x	TAT
Results to Cindy Barclay														
RELINQUISHED BY: (Signature) <i>William Proctor</i>			DATE: 1/15/92	TIME: 17:40	RECEIVED BY: (Signature) <i>Eric L...</i>			DATE: 1/16/92	TIME: 9:20 AM					
RELINQUISHED BY: (Signature)			DATE	TIME	RECEIVED BY: (Signature)			DATE	TIME					
RELINQUISHED BY: (Signature)			DATE	TIME	RECEIVED BY: (Signature)			DATE	TIME					
METHOD OF SHIPMENT:			DATE	TIME	LAB COMMENTS:									
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500					Analytical Laboratory: Precision Analytical									



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/16/92

Reported: 01/20/92

Job #: 73190

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

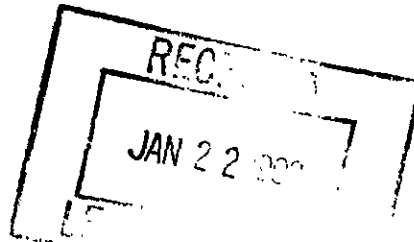
Project: Yerba Buena, Emeryville - 1649.07
Matrix: Soil
COC: 7460

Total Petroleum Hydrocarbon Analysis
Standard Methods, 17th Edition, 5520F
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Total Petroleum Hydrocarbons</u>	<u>MDL</u>
73190-1	SW-20	ND<50	50
73190-2	SW-19	ND<50	50
73190-3	BS-23	ND<50	50

QA/QC: Spike Recovery: 90%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 01/16/92
Reported: 01/20/92
Job #: 73190

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73190-1	SW-20	ND<50	50
73190-2	SW-19	ND<50	50
73190-3	BS-23	ND<50	50

QA/QC: Spike Recovery: 95%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 01/16/92
Reported: 01/20/92
Job #: 73190

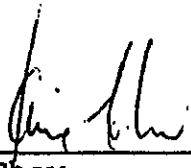
Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73190-1	SW-20	ND<10	10
73190-2	SW-19	ND<10	10
73190-3	BS-23	ND<10	10

QA/QC: Spike Recovery: 89%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
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1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 01/16/92
Reported: 01/20/92
Job #: 73190

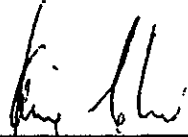
Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73190-1	SW-20	ND<10	10
73190-2	SW-19	ND<10	10
73190-3	BS-23	ND<10	10

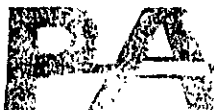
QA/QC: Spike Recovery: 103%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/16/92
Reported: 01/20/92
Job #: 73190

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab ID, Client ID, Benzene, MDL, Toluene, MDL. Rows 73190-1, 73190-2, 73190-3.

Table with 6 columns: Lab ID, Client ID, Ethyl-benzene, MDL, Xylenes, MDL. Rows 73190-1, 73190-2, 73190-3.

QA/QC: Spike Recovery for Benzene: 97%
Spike Recovery for Toluene: 100%
Spike Recovery for Xylene: 96%

MDL: Method Detection Limit. Compound below this level would not be detected.

Handwritten signature of Jaime Chow

Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 01/17/92
Reported: 01/20/92
Job #: 73194


Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73194-1	SW-21	ND<50	50
73194-2	SW-22	ND<50	50
73194-3	SW-23	ND<50	50
73194-4	BS-24	ND<50	50

QA/QC: Spike Recovery: 95%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 01/17/92
Reported: 01/20/92
Job #: 73194

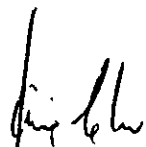
Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73194-1	SW-21	ND<10	10
73194-2	SW-22	ND<10	10
73194-3	SW-23	110	10
73194-4	BS-24	ND<10	10

QA/QC: Spike Recovery: 89%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07			Field Logbook No.:			Date: 1/16/92			Serial No.: 7460		
Project Name: VERDA BUENA			Project Location: Emeryville						Samplers: JJB		
Sampler (Signature): Jennifer Beatty			ANALYSES								
SAMPLES			EPA 601	EPA 624	8015	8020	SS20F	HOLD	RUSH	REMARKS	
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE						
SW-20	1/16/92	430		1	SOIL		✓	✓	✓		
SW-19	↓	215		↓	↓		✓	✓	✓		
BS-23	↓	130		↓	↓		✓	✓	✓		<ul style="list-style-type: none"> • 8015 TPH (chain) <li style="margin-left: 20px;">{ gas + oil } • 8020 BTEX • SS20F
										* 48 hour T.A.T	
										Results to Cindy Boudry.	
RELINQUISHED BY: (Signature) Jennifer Beatty			DATE: 1/16/92	TIME: 5PM	RECEIVED BY: (Signature) [Signature]			DATE: 1/16/92	TIME: 1745		
RELINQUISHED BY: (Signature)			DATE	TIME	RECEIVED BY: (Signature)			DATE	TIME		
RELINQUISHED BY: (Signature)			DATE	TIME	RECEIVED BY: (Signature)			DATE	TIME		
METHOD OF SHIPMENT: COURIER			DATE	TIME	LAB. COMMENTS:						
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500			Analytical Laboratory: Precision Analytical								



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/17/92

Reported: 01/20/92

Job #: 73194

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville - 1649.07
Matrix: Soil
CC: 10574

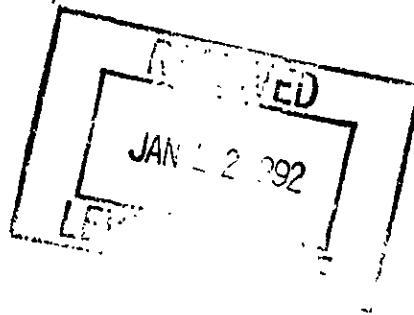
Total Petroleum Hydrocarbon Analysis
Standard Methods, 17th Edition, 5520F
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Total Petroleum Hydrocarbons</u>	<u>MDL</u>
73194-1	SW-21	ND<50	50
73194-2	SW-22	ND<50	50
73194-3	SW-23	ND<50	50
73194-4	BS-24	ND<50	50

QA/QC: Spike Recovery: 97%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director



JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: <u>1649.07</u>		Field Logbook No.:		Date: <u>1/17/92</u>		Serial No.: <u>10574</u>	
Project Name: <u>Yerba Buena - Ransome</u>		Project Location: <u>Emeryville</u>					
Sampler (Signature) <u>[Signature]</u>				ANALYSES			
SAMPLES				HOLD		RUSH	
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA-604	EPA-604 SCIS TYPHELO 6030 BTEX 5520-F
<u>SW-21</u>	<u>1/17/92</u>			1	<u>Soil</u>		X X X
<u>SW-22</u>				1			X X X
<u>SW-23</u>				1			X X X
<u>BS-24</u>				1			X X X
Samplers: <u>WEMA</u>							
REMARKS							
<u>48-HOUR TAT</u>							
<u>Cindy Barclay gets Results</u>							
RELINQUISHED BY: (Signature) <u>[Signature]</u>		DATE <u>1/17/92</u>	TIME <u>17:15</u>	RECEIVED BY: (Signature) <u>[Signature]</u>		DATE <u>1/17/92</u>	TIME <u>17:45</u>
RELINQUISHED BY: (Signature)		DATE	TIME	RECEIVED BY: (Signature)		DATE	TIME
RELINQUISHED BY: (Signature)		DATE	TIME	RECEIVED BY: (Signature)		DATE	TIME
METHOD OF SHIPMENT:		DATE	TIME	LAB COMMENTS:			
Sample Collector: <u>LEVINE-FRICKE</u> 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500				Analytical Laboratory: <u>Precision Analytical</u>			



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/20/92
Reported: 01/23/92
Job #: 73196

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville - 1649.07
Matrix: Soil
COC: 10575

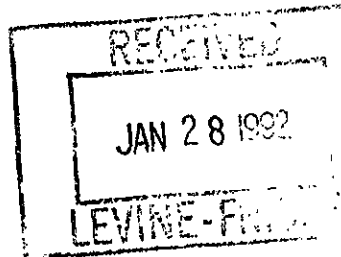
Total Hydrocarbon Analysis
Standard Methods, 17th Edition, 5520F
mg/Kg

Table with 4 columns: Lab ID, Client ID, Total Hydrocarbons, MDL. Rows 1-5 showing ND<50 results.

QA/QC: Spike Recovery: 97%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director



JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 01/20/92
Reported: 01/22/92
Job #: 73196

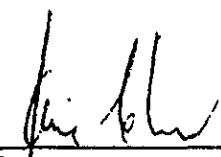
Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73196-1	SW-24	ND<50	50
73196-2	SW-25	ND<50	50
73196-3	SW-26	ND<50	50
73196-4	SW-27	ND<50	50
73196-5	BS-25	ND<50	50

QA/QC: Spike Recovery: 97%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 01/20/92
Reported: 01/22/92
Job #: 73196

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Gasoline, MDL. Rows include data for Lab IDs 73196-1 through 73196-5.

QA/QC: Spike Recovery: 92%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/20/92

Reported: 01/23/92

Job #: 73196

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

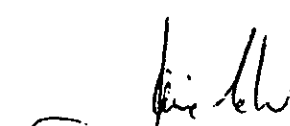
Project: Yerba Buena, Emeryville
Matrix: Water

Total Petroleum Hydrocarbon Analysis
EPA Method 5030
µg/L

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73196-6	L-1	110	50
73196-7	L-2	870	50
73196-8	L-3	ND<50	50

QA/QC: Spike Recovery for Gasoline: 100%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 01/20/92
Reported: 01/22/92
Job #: 73196

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Diesel, MDL. Rows include sample IDs 73196-1 through 73196-5 with corresponding client IDs and results (ND<10) and MDL (10).

QA/QC: Spike Recovery: 92%

MDL: Method Detection Limit. Compound below this level would not be detected.

Handwritten signature of Jaime Chow

Jaime Chow
Laboratory Director

JC/td

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/20/92
Reported: 01/24/92
Job #: 73196

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608


Project: Yerba Buena, Emeryville
Matrix: Water

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/L

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73196-6	L-1	ND<0.050	0.050
73196-7	L-2	ND<0.050	0.050
73196-8	L-3	ND<0.050	0.050

QA/QC: Spike Recovery: 110%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/20/92
Reported: 01/22/92
Job #: 73196

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab ID, Client ID, Benzene, MDL, Toluene, MDL. Rows 73196-1 to 73196-5.

Table with 6 columns: Lab ID, Client ID, Ethyl-benzene, MDL, Xylenes, MDL. Rows 73196-1 to 73196-5.

QA/QC: Spike Recovery for Benzene: 95%
Spike Recovery for Toluene: 97%
Spike Recovery for Xylene: 93%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/17/92
Reported: 01/20/92
Job #: 73194

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73194-1	SW-21	ND<0.005	0.005	0.006	0.005
73194-2	SW-22	ND<0.005	0.005	ND<0.005	0.005
73194-3	SW-23	0.62	0.005	0.067	0.005
73194-4	BS-24	ND<0.005	0.005	ND<0.005	0.005

<u>Lab ID</u>	<u>Client ID</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
73194-1	SW-21	ND<0.005	0.005	ND<0.005	0.005
73194-2	SW-22	ND<0.005	0.005	ND<0.005	0.005
73194-3	SW-23	4.2	0.005	10	0.005
73194-4	BS-24	ND<0.005	0.005	ND<0.005	0.005

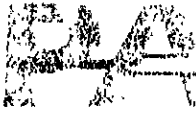
QA/QC: Spike Recovery for Benzene: 95%
Spike Recovery for Toluene: 97%
Spike Recovery for Xylene: 93%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

JC/td

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 01/17/92
Reported: 01/20/92
Job #: 73194

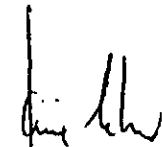
Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73194-1	SW-21	ND<10	10
73194-2	SW-22	ND<10	10
73194-3	SW-23	15	10
73194-4	BS-24	ND<10	10

QA/QC: Spike Recovery: 122%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

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Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/20/92
Reported: 01/23/92
Job #: 73196

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Water

Aromatic Volatile Hydrocarbon Analysis
EPA Method 602
µg/L

Table with 6 columns: Lab ID, Client ID, Benzene, MDL, Toluene, MDL. Rows for Lab IDs 73196-6, 73196-7, 73196-8.

Table with 6 columns: Lab ID, Client ID, Ethyl-benzene, MDL, Xylenes, MDL. Rows for Lab IDs 73196-6, 73196-7, 73196-8.

QA/QC: Spike Recovery for Benzene: 110%
Spike Recovery for Toluene: 111%
Spike Recovery for Xylene: 95%

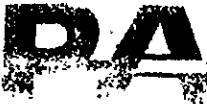
MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: <u>1649.07</u>			Field Logbook No.:			Date: <u>1/20/92</u>			Serial No.: <u>10575</u>					
Project Name: <u>Yerba Buena - Rancho</u>			Project Location: <u>Emeryville</u>						Samplers: <u>WEM</u>					
Sampler (Signature): <u>William Maduen</u>			ANALYSES											
SAMPLES														
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	ANALYSES								REMARKS
						EPA 604	EPA 624	RIS-TPH	D.G.O	SW-DEP	3520F	MOX 605/610	HOLD	
SW-24	1/20/92			1	Soil			X	X	X			X	
SW-25				1				X	X	X			X	48-Hour TAT
SW-26				1				X	X	X			X	
SW-27				1				X	X	X			X	
DS-25				1				X	X	X			X	
L-1				4	H ₂ O						X			5-Day Turnaround
L-2				4							X			
L-3				4							X			
RELINQUISHED BY: (Signature) <u>William Maduen</u>			DATE	TIME	RECEIVED BY: (Signature) <u>Kohwiad Sider</u>			DATE	TIME					
RELINQUISHED BY: (Signature)			DATE	TIME	RECEIVED BY: (Signature)			DATE	TIME					
RELINQUISHED BY: (Signature)			DATE	TIME	RECEIVED BY: (Signature)			DATE	TIME					
METHOD OF SHIPMENT:			DATE	TIME	LAB COMMENTS:									
Sample Collector: <u>LEVINE-FRICKE</u> 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500					Analytical Laboratory: <u>Precision</u>									



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/21/92
Reported: 01/24/92
Job #: 73201

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville -
Matrix: Soil

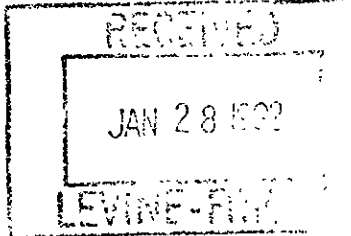
Total Hydrocarbon Analysis
Standard Methods, 17th Edition, 5520F
mg/Kg

Table with 4 columns: Lab ID, Client ID, Total Hydrocarbons, MDL. Rows include data for Lab IDs 73201-1 through 73201-8.

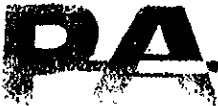
QA/QC: Spike Recovery: 100%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director



JC/td



CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/21/92
Reported: 01/23/92
Job #: 73201

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Gasoline, MDL. Rows 1-8 showing analysis results for various samples.

QA/QC: Spike Recovery: 89%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/21/92
Reported: 01/23/92
Job #: 73201

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Diesel, MDL. Rows include sample IDs like 73201-1 to 73201-8 and corresponding client IDs and results.

* TPH in Diesel Range

QA/QC: Spike Recovery: 99%

MDL: Method Detection Limit. Compound below this level would not be detected.

Handwritten signature of Jaime Chow

Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/21/92

Reported: 01/23/92

Job #: 73201

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73201-1	BS-26	ND<50	50
73201-2	SW-28	ND<50	50
73201-3	TP14-4	1,400	500
73201-4	TP14-8	680	500
73201-5	TP14-12	ND<50	50
73201-6	TP15-4	ND<50	50
73201-7	TP15-7.5	ND<50	50
73201-8	TP15-12	ND<50	50

QA/QC: Spike Recovery: 111%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td



CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/21/92
Reported: 01/23/92
Job #: 73201

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab ID, Client ID, Benzene, MDL, Toluene, MDL. Rows 73201-1 to 73201-6.

Table with 6 columns: Lab ID, Client ID, Ethyl-benzene, MDL, Xylenes, MDL. Rows 73201-1 to 73201-6.

QA/QC: Spike Recovery for Benzene: 95%
Spike Recovery for Toluene: 95%
Spike Recovery for Xylene: 92%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director



CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/21/92

Reported: 01/23/92

Job #: 73201

Attn: Cindy Barclay
Levine-Fricke

Project: Yerba Buena, Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73201-7	TP15-7.5	ND<0.005	0.005	ND<0.005	0.005
73201-8	TP15-12	ND<0.005	0.005	ND<0.005	0.005

<u>Lab ID</u>	<u>Client ID</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
73201-7	TP15-7.5	ND<0.005	0.005	ND<0.005	0.005
73201-8	TP15-12	ND<0.005	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 95%
Spike Recovery for Toluene: 95%
Spike Recovery for Xylene: 92%

MDL: Method Detection Limit. Compound below this level would not be detected.

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: <u>1649.07</u>			Field Logbook No.:			Date: <u>1/21/92</u>			Serial No.: <u>10576</u>					
Project Name: <u>Yerha Buena - Ransom</u>			Project Location: <u>Emeryville</u>											
Sampler (Signature): <u>[Signature]</u>			ANALYSES						Samplers: <u>WEM</u>					
SAMPLES														
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA 601	EPA 604	BOD5-TPA PHEC	CO2 NEX	5520F	HOLD	RUSH	REMARKS	
<u>BS-26</u>	<u>1/21/92</u>			<u>1</u>	<u>Soil</u>			<u>X</u>	<u>X</u>	<u>X</u>			<u>X</u>	<u>48-Hour TAT</u> <u>Results to</u> <u>Cindy Barclay</u>
<u>SW-28</u>				<u>1</u>				<u>X</u>	<u>X</u>	<u>X</u>			<u>X</u>	
<u>TP14-4</u>				<u>1</u>				<u>X</u>	<u>X</u>	<u>X</u>			<u>X</u>	
<u>TP14-8</u>				<u>1</u>				<u>X</u>	<u>X</u>	<u>X</u>			<u>X</u>	
<u>TP14-12</u>				<u>1</u>				<u>X</u>	<u>X</u>	<u>X</u>			<u>X</u>	
<u>TP15-4</u>				<u>1</u>				<u>X</u>	<u>X</u>	<u>X</u>			<u>X</u>	
<u>TP15-75</u>				<u>1</u>				<u>X</u>	<u>X</u>	<u>X</u>			<u>X</u>	
<u>TP15-12</u>				<u>1</u>				<u>X</u>	<u>X</u>	<u>X</u>			<u>X</u>	
RELINQUISHED BY: (Signature) <u>[Signature]</u>			DATE	TIME	RECEIVED BY: (Signature) <u>[Signature]</u>			DATE	TIME					
RELINQUISHED BY: (Signature)			DATE	TIME	RECEIVED BY: (Signature)			DATE	TIME					
RELINQUISHED BY: (Signature)			DATE	TIME	RECEIVED BY: (Signature)			DATE	TIME					
METHOD OF SHIPMENT:			DATE	TIME	LAB COMMENTS:									
Sample Collector: <u>LEVINE-FRICKE</u> <u>1900 Powell Street, 12th Floor</u> <u>Emeryville, Ca 94608</u> <u>(415) 652-4500</u>			Analytical Laboratory: <u>Precision Analytical</u>											

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/23/92
Reported: 01/27/92
Job #: 73216

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

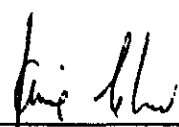
Project: Yerba Buena, Emeryville - 1649.07
Matrix: Soil
COC: 10577

Total Hydrocarbon Analysis
Standard Methods, 17th Edition, 5520F
mg/Kg

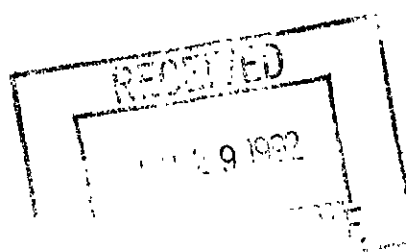
<u>Lab ID</u>	<u>Client ID</u>	<u>Total Hydrocarbons</u>	<u>MDL</u>
73216-1	SW-29	ND<50	50
73216-2	SW-30	ND<50	50
73216-3	BS-30 ✓	ND<50	50
73216-4	SW-31	ND<50	50
73216-5	SW-32	ND<50	50
73216-6	BS-31 ✓	ND<50	50

QA/QC: Spike Recovery: 90%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director



JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/23/92
Reported: 01/24/92
Job #: 73216

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608


Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73216-1	SW-29	100 *	10
73216-2	SW-30	26	10
73216-3	BS-30	ND<10	10
73216-4	SW-31	ND<10	10
73216-5	SW-32	ND<10	10
73216-6	BS-31	ND<10	10

* TPH in Diesel Range

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/23/92

Reported: 01/24/92

Job #: 73216

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73216-1	SW-29	ND<50	50
73216-2	SW-30	ND<50	50
73216-3	BS-30	ND<50	50
73216-4	SW-31	ND<50	50
73216-5	SW-32	ND<50	50
73216-6	BS-31	ND<50	50

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/23/92
Reported: 01/24/92
Job #: 73216

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

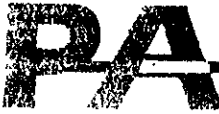
<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73216-1	SW-29	360	10
73216-2	SW-30	150	10
73216-3	BS-30	ND<10	10
73216-4	SW-31	ND<10	10
73216-5	SW-32	ND<10	10
73216-6	BS-31	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY



CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/23/92
Reported: 01/24/92
Job #: 73216

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab ID, Client ID, Benzene, MDL, Toluene, MDL. Rows 73216-1 to 73216-6.

Table with 6 columns: Lab ID, Client ID, Ethyl-benzene, MDL, Xylenes, MDL. Rows 73216-1 to 73216-6.

QA/QC: Spike Recovery for Benzene: 100%
Spike Recovery for Toluene: 103%
Spike Recovery for Xylene: 100%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: <u>1649.07</u>	Field Logbook No.:	Date: <u>1/23/92</u>	Serial No.: <u>10577</u>
Project Name: <u>Yerba Buena</u>	Project Location: <u>Emeryville</u>		

SAMPLER (Signature): <u>William Gradstein</u>					ANALYSES						SAMPLERS: <u>WEM</u>			
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	ANALYSES						HOLD	RUSH	REMARKS
						EPA 601	EPA 624	645-TAT	D&O	630-BTEX	552CF			
SW-29	<u>1/23/92</u>			<u>1</u>	<u>Soil</u>			<u>X</u>	<u>X</u>	<u>X</u>			<u>X</u>	<u>24 HOUR TAT</u>
SW-30	<u>1/23/92</u>			<u>1</u>				<u>X</u>	<u>X</u>	<u>X</u>			<u>X</u>	<u>" " "</u>
BS-30				<u>1</u>				<u>X</u>	<u>X</u>	<u>X</u>			<u>X</u>	<u>" " "</u>
SW-31				<u>1</u>				<u>X</u>	<u>X</u>	<u>X</u>			<u>X</u>	<u>" " "</u>
SW-32				<u>1</u>				<u>X</u>	<u>X</u>	<u>X</u>			<u>X</u>	<u>" " "</u>
SW-33				<u>1</u>				<u>X</u>	<u>X</u>	<u>X</u>			<u>X</u>	<u>48-HOUR TAT</u>

RELINQUISHED BY: (Signature) <u>William Gradstein</u>	DATE <u>1/23/92</u>	TIME <u>17:35</u>	RECEIVED BY: (Signature) <u>John Lohr</u>	DATE <u>1/23/92</u>	TIME <u>17:35</u>
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		
Sample Collector: <u>LEVINE-FRICKE</u> 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500			Analytical Laboratory: <u>Precision Analytical</u>		



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/24/92

Reported: 01/27/92

Job #: 73218

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

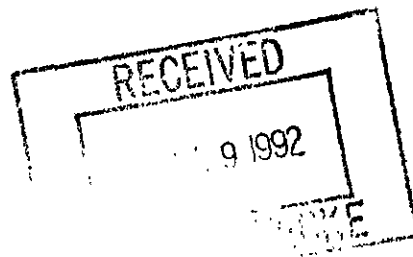
Project: Yerba Buena, Emeryville - 1649.07
Matrix: Soil
COC: 10586

Total Hydrocarbon Analysis
Standard Methods, 17th Edition, 5520F
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Total Hydrocarbons</u>	<u>MDL</u>
73218-1	BS-32	ND<50	50
73218-2	SW-33	ND<50	50
73218-3	SW-34	ND<50	50
73218-4	SW-35	ND<50	50

QA/QC: Spike Recovery: 94%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Onow
Laboratory Director



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/24/92

Reported: 01/27/92

Job #: 73218

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73218-1	BS-32	ND<50	50
73218-2	SW-33	ND<50	50
73218-3	SW-34	ND<50	50
73218-4	SW-35	ND<50	50

QA/QC: Spike Recovery: 99%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td



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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/24/92
Reported: 01/27/92
Job #: 73218

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608


Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73218-1	BS-32	ND<10	10
73218-2	SW-33	ND<10	10
73218-3	SW-34	ND<10	10
73218-4	SW-35	ND<10	10

QA/QC: Spike Recovery: 108%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

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FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/24/92

Reported: 01/27/92

Job #: 73218

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73218-1	BS-32	ND<10	10
73218-2	SW-33	ND<10	10
73218-3	SW-34	35	10
73218-4	SW-35	ND<10	10

QA/QC: Spike Recovery: 103%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

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CALIFORNIA STATE CERTIFIED LABORATORY

Precision Analytical Laboratory, Inc.

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PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/24/92

Reported: 01/27/92

Job #: 73218

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

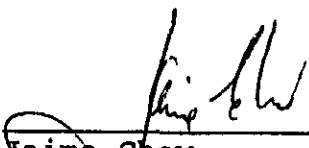
Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73218-1	BS-32	ND<0.005	0.005	ND<0.005	0.005
73218-2	SW-33	0.22	0.005	0.009	0.005
73218-3	SW-34	0.57	0.005	0.045	0.005
73218-4	SW-35	ND<0.005	0.005	ND<0.005	0.005

<u>Lab ID</u>	<u>Client ID</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
73218-1	BS-32	ND<0.005	0.005	0.010	0.005
73218-2	SW-33	1.5	0.005	2.4	0.005
73218-3	SW-34	3.7	0.005	9.6	0.005
73218-4	SW-35	0.008	0.005	0.007	0.005

QA/QC: Spike Recovery for Benzene: 94%
Spike Recovery for Toluene: 97%
Spike Recovery for Xylene: 95%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

73217

Project No.: <u>1649.07</u>	Field Logbook No.:	Date: <u>1/24/92</u>	Serial No.: 10586
Project Name: <u>Verba Buena</u>	Project Location: <u>Emeryville</u>		

SAMPLER (Signature): <u>William Anderson</u>						ANALYSES						SAMPLERS: <u>WEM</u>			
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE							HOLD	RUSH	REMARKS	
						EPA 601	EPA 624	815-TPH	DL62	BTEX	5520F				
BS-32	<u>1/24/92</u>			<u>1</u>	<u>Soil</u>			<u>x</u>	<u>x</u>	<u>x</u>			<u>x</u>		<u>48-Hour TAT</u> <u>Results to Cindy</u>
SW-33	<u>1</u>			<u>1</u>				<u>x</u>	<u>x</u>	<u>x</u>			<u>x</u>		
SW-34	<u>1</u>			<u>1</u>				<u>x</u>	<u>x</u>	<u>x</u>			<u>x</u>		
SW-35	<u>1</u>			<u>1</u>				<u>x</u>	<u>x</u>	<u>x</u>			<u>x</u>		

RELINQUISHED BY: (Signature) <u>William Anderson</u>	DATE: <u>1/24/92</u>	TIME: <u>17100</u>	RECEIVED BY: (Signature) <u>Jane [unclear]</u>	DATE: <u>1/24/92</u>	TIME: <u>1730</u>
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500			Analytical Laboratory: <u>Precision</u>		



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/27/92

Reported: 01/29/92

Job #: 73224

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville -
Matrix: Soil

Total Hydrocarbon Analysis
Standard Methods, 17th Edition, 5520F
mg/Kg

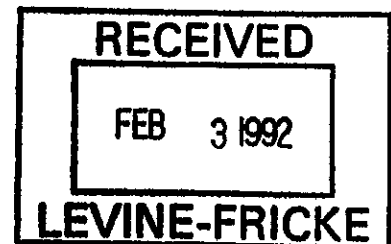
<u>Lab ID</u>	<u>Client ID</u>	<u>Total Hydrocarbons</u>	<u>MDL</u>
73224-1	SW-36	ND<50	50
73224-2	SW-37	ND<50	50

QA/QC: Spike Recovery: 99%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

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PHONE (510) 222-3002

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/27/92

Reported: 01/29/92

Job #: 73224

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

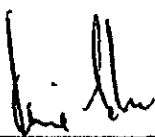
Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73224-1	SW-36	ND<50	50
73224-2	SW-37	ND<50	50

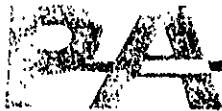
QA/QC: Spike Recovery: 87%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/27/92

Reported: 01/29/92

Job #: 73224

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

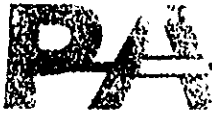
<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73224-1	SW-36	ND<10	10
73224-2	SW-37	ND<10	10

QA/QC: Spike Recovery: 105%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

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PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/27/92
Reported: 01/29/92
Job #: 73224

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73224-1	SW-36	ND<10	10
73224-2	SW-37	ND<10	10

QA/QC: Spike Recovery: 101%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/27/92

Reported: 01/29/92

Job #: 73224

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73224-1	SW-36	ND<0.005	0.005	ND<0.005	0.005
73224-2	SW-37	ND<0.005	0.005	ND<0.005	0.005

<u>Lab ID</u>	<u>Client ID</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
73224-1	SW-36	ND<0.005	0.005	ND<0.005	0.005
73224-2	SW-37	ND<0.005	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 83%
Spike Recovery for Toluene: 85%
Spike Recovery for Xylene: 85%

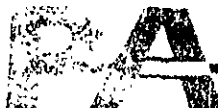
MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07			Field Logbook No.:			Date: 1/27/92			Serial No.: 10585					
Project Name: Yerba Buena-Ransom			Project Location: Emeryville											
Sampler (Signature): <i>Guilherme Rodrigues</i>			ANALYSES						Samplers: WEM					
SAMPLES														
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	PBA-604	PBA-624	PBA-605	PBA-D660	PBA-616	552DF	HOLD	RUSH	REMARKS
SW-36	1/27/92	1		1	Soil							X		48 HOUR TAT
SW-37	1	1		1								X		
														Results to Cindy Barclay
RELINQUISHED BY: (Signature) <i>Guilherme Rodrigues</i>			DATE	TIME	RECEIVED BY: (Signature) <i>Halwinde Fitch</i>			DATE	TIME					
RELINQUISHED BY: (Signature)			DATE	TIME	RECEIVED BY: (Signature)			DATE	TIME					
RELINQUISHED BY: (Signature)			DATE	TIME	RECEIVED BY: (Signature)			DATE	TIME					
METHOD OF SHIPMENT:			DATE	TIME	LAB COMMENTS:									
Sample Collector:			LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500			Analytical Laboratory:			<i>Precision Analytical</i>					



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/30/92
Reported: 01/31/92
Job #: 73230

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

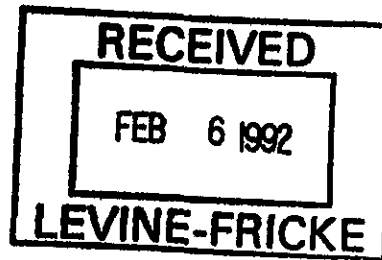
Project: Yerba Buena, Emeryville
Matrix: Soil

Total Hydrocarbon Analysis
Standard Methods, 17th Edition, 5520F
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Total Hydrocarbons</u>	<u>MDL</u>
73230-1	SW-38	ND<50	50
73230-2	SW-39	ND<50	50
73230-3	SW-40	ND<50	50

QA/QC: Spike Recovery: 98%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow

Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

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PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/30/92
Reported: 01/31/92
Job #: 73230

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608


Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73230-1	SW-38	ND<50	50
73230-2	SW-39	ND<50	50
73230-3	SW-40	ND<50	50

QA/QC: Spike Recovery: 91%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/30/92

Reported: 01/31/92

Job #: 73230

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

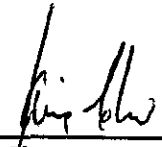
Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

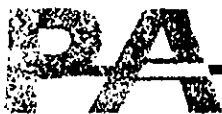
<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73230-1	SW-38	ND<10	10
73230-2	SW-39	ND<10	10
73230-3	SW-40	ND<10	10

QA/QC: Spike Recovery: 109%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/30/92

Reported: 01/31/92

Job #: 73230

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73230-1	SW-38	45	10
73230-2	SW-39	ND<10	10
73230-3	SW-40	ND<10	10

QA/QC: Spike Recovery: 114%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/30/92

Reported: 01/31/92

Job #: 73230

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab ID, Client ID, Benzene, MDL, Toluene, MDL. Rows 73230-1, 73230-2, 73230-3.

Table with 6 columns: Lab ID, Client ID, Ethyl-benzene, MDL, Xylenes, MDL. Rows 73230-1, 73230-2, 73230-3.

QA/QC: Spike Recovery for Benzene: 93%
Spike Recovery for Toluene: 96%
Spike Recovery for Xylene: 95%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07		Field Logbook No.:		Date: 1/29/92		Serial No.: 10516								
Project Name: Verbo Buena		Project Location: Emeryville												
Sampler (Signature): <i>Grillen Proden</i>				ANALYSES		Samplers: WEMA								
SAMPLES				HOLD		RUSH								
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA 884	EPA 824	905-TM	D.G.O	6020-BTEL	5520F	HOLD	RUSH	REMARKS
SW-38	1/29/92			1	Soil			X	X	X			X	48-HOUR TAT Results to Cindy Gordon
SW-39	1			1				X	X	X			X	
SW-40	1			1				X	X	X			X	
RELINQUISHED BY: <i>Grillen Proden</i>				DATE: 1/24/92	TIME: 17:45	RECEIVED BY: <i>Matthew Cloud</i>				DATE: 1/29/92	TIME: 17:45			
RELINQUISHED BY: <i>Matthew Cloud</i>				DATE: 1/30/92	TIME: 0905	RECEIVED BY: <i>Kalwinchen Sidu</i>				DATE: 1-30-92	TIME: 0905A			
RELINQUISHED BY: _____				DATE: _____	TIME: _____	RECEIVED BY: _____				DATE: _____	TIME: _____			
METHOD OF SHIPMENT: _____				DATE: _____	TIME: _____	LAB COMMENTS: _____								
Sample Collector: _____			LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500			Analytical Laboratory: Precision Analytical								

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/31/92

Reported: 02/03/92

Job #: 73232

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

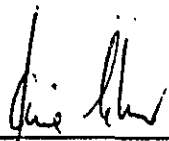
Project: Yerba Buena, Emeryville
Matrix: Soil

Total Hydrocarbon Analysis
Standard Methods, 17th Edition, 5520F
mg/Kg

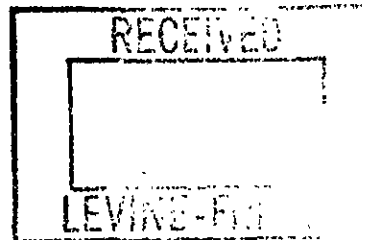
<u>Lab ID</u>	<u>Client ID</u>	<u>Total Hydrocarbons</u>	<u>MDL</u>
73232-1	SW-41	ND<50	50
73232-2	SW-42	ND<50	50
73232-3	SW-43	ND<50	50
73232-4	SW-44	ND<50	50
73232-5	SW-45	ND<50	50

QA/QC: Spike Recovery: 99%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director



JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/31/92

Reported: 02/03/92

Job #: 73232

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

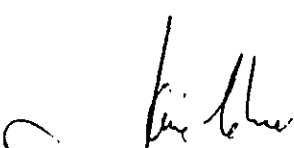
Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73232-1	SW-41	ND<50	50
73232-2	SW-42	ND<50	50
73232-3	SW-43	ND<50	50
73232-4	SW-44	ND<50	50
73232-5	SW-45	ND<50	50

QA/QC: Spike Recovery: 99%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/31/92

Reported: 02/03/92

Job #: 73232

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608


Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73232-1	SW-41	11	10
73232-2	SW-42	ND<10	10
73232-3	SW-43	ND<10	10
73232-4	SW-44	ND<10	10
73232-5	SW-45	ND<10	10

QA/QC: Spike Recovery: 114%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/31/92

Reported: 02/03/92

Job #: 73232

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608


Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73232-1	SW-41	90	10
73232-2	SW-42	70	10
73232-3	SW-43	ND<10	10
73232-4	SW-44	130	10
73232-5	SW-45	20	10

QA/QC: Spike Recovery: 110%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/31/92

Reported: 02/03/92

Job #: 73232

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

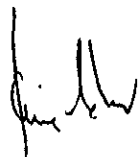
Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73232-1	SW-41	0.63	0.03	ND<0.03	0.03
73232-2	SW-42	0.08	0.03	ND<0.03	0.03
73232-3	SW-43	ND<0.005	0.005	ND<0.005	0.005
73232-4	SW-44	1.8	0.03	0.60	0.03
73232-5	SW-45	0.032	0.03	ND<0.03	0.03

<u>Lab ID</u>	<u>Client ID</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
73232-1	SW-41	4	0.03	10	0.03
73232-2	SW-42	2.4	0.03	13	0.03
73232-3	SW-43	ND<0.005	0.005	ND<0.005	0.005
73232-4	SW-44	11	0.03	49	0.03
73232-5	SW-45	0.60	0.03	0.52	0.03

QA/QC: Spike Recovery for Benzene: 91%
Spike Recovery for Toluene: 93%
Spike Recovery for Xylene: 91%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 164907				Field Logbook No.:				Date: 1/31/92		Serial No.: 10592					
Project Name: Yerba Buena				Project Location: Emeryville								Samplers: WEAN			
Sampler (Signature): <i>William Madison</i>				ANALYSES								REMARKS			
SAMPLES															
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	ANALYSES						HOLD	RUSH		
						EPA-501	EPA-512	8015-TM	8020-BEX	5520F					
SW-41	1/30/92			1	Soil			x	x	x			x	48-HOUR TAT Results to Cindy Barclay	
SW-42				1				x	x	x			x		
SW-43				1				x	x	x			x		
SW-44				1				x	x	x			x		
SW-45				1				x	x	x			x		
RELINQUISHED BY: (Signature) <i>William Madison</i>				DATE	TIME	RECEIVED BY: (Signature) <i>Matthew Cloud</i>				DATE	TIME				
RELINQUISHED BY: (Signature) <i>Matthew Cloud</i>				DATE	TIME	RECEIVED BY: (Signature) <i>Kulwinda Singh</i>				DATE	TIME				
RELINQUISHED BY: (Signature)				DATE	TIME	RECEIVED BY: (Signature)				DATE	TIME				
METHOD OF SHIPMENT:				DATE	TIME	LAB COMMENTS:									
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500						Analytical Laboratory: <i>Precision Analytical</i>									



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 02/07/92
Reported: 02/11/92
Job #: 73248

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

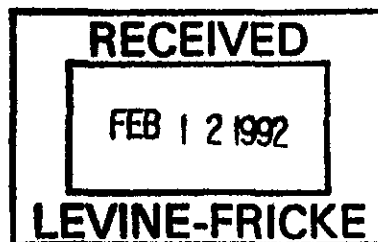
Total Hydrocarbon Analysis
Standard Methods, 17th Edition, 5520F
mg/Kg

Table with 4 columns: Lab ID, Client ID, Total Hydrocarbons, MDL. Rows 1-6 showing analysis results for various samples.

QA/QC: Spike Recovery: 99%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director



JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 02/07/92

Reported: 02/11/92

Job #: 73248

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

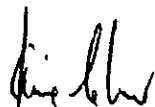
Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73248-1	SW-47	ND<10	10
73248-2	SW-48	ND<10	10
73248-3	SW-49	ND<10	10
73248-4	SW-46	ND<10	10
73248-5	BS-33	ND<10	10
73248-6	BS-34	ND<10	10

QA/QC: Spike Recovery: 100%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 02/07/92

Reported: 02/11/92

Job #: 73248

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608


Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73248-1	SW-47	ND<10	10
73248-2	SW-48	830	10
73248-3	SW-49	ND<10	10
73248-4	SW-46	ND<10	10
73248-5	BS-33	ND<10	10
73248-6	BS-34	ND<10	10

QA/QC: Spike Recovery: 108%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 02/07/92
Reported: 02/11/92
Job #: 73248

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

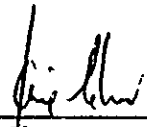
Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73248-1	SW-47	ND<50	50
73248-2	SW-48	ND<50	50
73248-3	SW-49	ND<50	50
73248-4	SW-46	ND<50	50
73248-5	BS-33	ND<50	50
73248-6	BS-34	ND<50	50

QA/QC: Spike Recovery: 83%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 02/07/92
Reported: 02/11/92
Job #: 73248

Attn: Cindy Barclay
Levine Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab ID, Client ID, Benzene, MDL, Toluene, MDL. Rows 1-6.

Table with 6 columns: Lab ID, Client ID, Ethylbenzene, MDL, Xylenes, MDL. Rows 1-6.

QA/QC: Spike Recovery for Benzene: 94%
Spike Recovery for Toluene: 96%
Spike Recovery for Xylene: 96%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07		Field Logbook No.:		Date: 2/7/92		Serial No.: 10521								
Project Name: Yerba Buena		Project Location: Emeryville												
Sampler (Signature): <i>William Fricke</i>				ANALYSES		Samplers: WFM								
SAMPLES														
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	ANALYSES						HOLD	RUSH	REMARKS
						8015-804	8015-804	8015-178	8015-178	8015-178	8015-178			
SW-47	2/7/92			1	Soil	X	X	X				X		48-Hour - TAT Results to Cindy Barclay
SW-48				1		X	X	X				X		
SW-49				1		X	X	X				X		
SW-46				1		X	X	X				X		
BS-33				1		X	X	X				X		
BS-34				1		X	X	X				X		
RELINQUISHED BY: <i>William Fricke</i>				DATE: 2/7/92	TIME: 16:00	RECEIVED BY: <i>Jane Blaw</i>				DATE: 2/7/92	TIME: 18:30 PM			
RELINQUISHED BY: (Signature)				DATE	TIME	RECEIVED BY: (Signature)				DATE	TIME			
RELINQUISHED BY: (Signature)				DATE	TIME	RECEIVED BY: (Signature)				DATE	TIME			
METHOD OF SHIPMENT:				DATE	TIME	LAB COMMENTS:								
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500				Analytical Laboratory: Precision Analytical										

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/14/92

Reported: 01/17/92

Job #: 73173

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

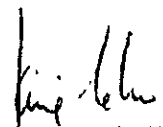
Project: Yerba Buena, Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
Standard Methods, 17th Edition, 5520F
mg/Kg

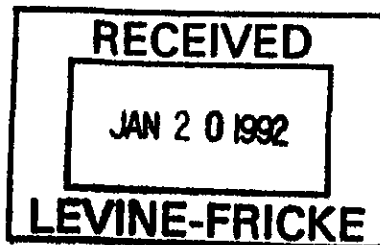
Lab ID	Client ID	Total Petroleum Hydrocarbons	MDL
73173-1	BS-20	ND<50	50
73173-2	BS-21	ND<50	50
73173-3	SW-16	ND<50	50

QA/QC: Spike Recovery: 93%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director



JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

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FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 01/14/92
Reported: 01/17/92
Job #: 73173

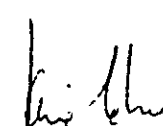
Project: Yerba Buena, Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73173-1	BS-20	ND<50	50
73173-2	BS-21	ND<50	50
73173-3	SW-16	ND<50	50

QA/QC: Spike Recovery: 99%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

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Emeryville, CA 94608

Received: 01/14/92
Reported: 01/17/92
Job #: 73173

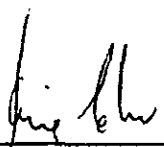
Project: Yerba Buena, Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73173-1	BS-20	ND<10	10
73173-2	BS-21	ND<10	10
73173-3	SW-16	ND<10	10

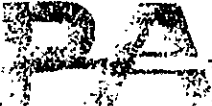
QA/QC: Spike Recovery: 91%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 01/14/92
Reported: 01/17/92
Job #: 73173

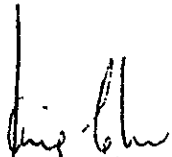
Project: Yerba Buena, Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73173-1	BS-20	ND<10	10
73173-2	BS-21	ND<10	10
73173-3	SW-16	ND<10	10

QA/QC: Spike Recovery: 101%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 01/14/92

Reported: 01/17/92

Job #: 73173

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville, CA
Matrix: Soil

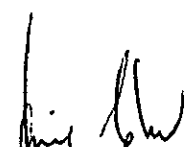
Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Lab ID	Client ID	Benzene	MDL	Toluene	MDL
73173-1	BS-20	ND<0.005	0.005	ND<0.005	0.005
73173-2	BS-21	ND<0.005	0.005	ND<0.005	0.005
73173-3	SW-16	0.120	0.005	0.008	0.005

Lab ID	Client ID	Ethyl-benzene	MDL	Xylenes	MDL
73173-1	BS-20	ND<0.005	0.005	ND<0.005	0.005
73173-2	BS-21	ND<0.005	0.005	ND<0.005	0.005
73173-3	SW-16	0.10	0.005	0.075	0.005

QA/QC: Spike Recovery for Benzene: 110%
Spike Recovery for Toluene: 113%
Spike Recovery for Xylene: 108%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07	Field Logbook No.:	Date: 1/14/92	Serial No.: 10573
Project Name: Yerba Buena - Ransome	Project Location: Emeryville		

SAMPLER (Signature):						ANALYSES							SAMPLERS: WEM	
						SAMPLES								
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	EPA 601	EPA 624	005-TPH DGD	025 STEK	520F	HOLD	RUSH	REMARKS	
BS-20	1/14/92	1		1	Soil			x	x	x				
BS-21	1	1		1	1			x	x	x				
BS SW-16	1	1		1	1			x	x	x				

RELINQUISHED BY: (Signature) <i>[Signature]</i>	DATE: 1/14/92	TIME: 17:20	RECEIVED BY: (Signature) <i>[Signature]</i>	DATE: 1/14/92	TIME: 18:00
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: <div style="font-size: 2em; font-family: cursive;">Precision Analytical</div>
---	--

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 02/14/92
Reported: 02/19/92
Job #: 73259

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

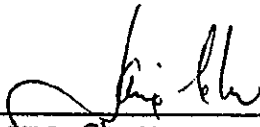
Project: Yerba Buena, Emeryville,
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

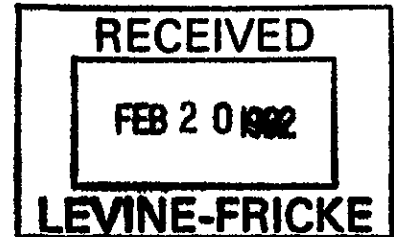
<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73259-1	SW-50	ND<50	50
73259-2	SW-51	ND<50	50
73259-3	SW-52	ND<50	50
73259-4	BS-35	ND<50	50

QA/QC: Spike Recovery: 97%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

JC/td





Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 02/14/92

Reported: 02/19/92

Job #: 73259

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

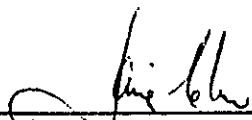
Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73259-1	SW-50	ND<10	10
73259-2	SW-51	ND<10	10
73259-3	SW-52	ND<10	10
73259-4	BS-35	ND<10	10

QA/QC: Spike Recovery: 100%

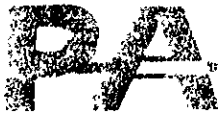
MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002 FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 02/14/92
Reported: 02/19/92
Job #: 73259

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Diesel, MDL. Rows include 73259-1 through 73259-4 with corresponding Client IDs and Diesel/MDL values.

QA/QC: Spike Recovery: 87%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

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PHONE (510) 222-3002

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 02/14/92

Reported: 02/19/92

Job #: 73259

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

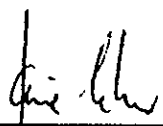
Project: Yerba Buena, Emeryville
Matrix: Soil

Total Hydrocarbon Analysis
Standard Methods, 17th Edition, 5520F
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Total Hydrocarbons</u>	<u>MDL</u>
73259-1	SW-50	ND<50	50
73259-2	SW-51	ND<50	50
73259-3	SW-52	ND<50	50
73259-4	BS-35	ND<50	50

QA/QC: Spike Recovery: 100%

MDL: Method Detection Limit. Compound below this level would not be detected.



Elaine Chow
Laboratory Director

JC/td

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 02/14/92
Reported: 02/19/92
Job #: 73259

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil


Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73259-1	SW-50	ND<0.005	0.005	ND<0.005	0.005
73259-2	SW-51	ND<0.005	0.005	ND<0.005	0.005
73259-3	SW-52	ND<0.005	0.005	ND<0.005	0.005
73259-4	BS-35	ND<0.005	0.005	ND<0.005	0.005

<u>Lab ID</u>	<u>Client ID</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
73259-1	SW-50	ND<0.005	0.005	ND<0.005	0.005
73259-2	SW-51	ND<0.005	0.005	ND<0.005	0.005
73259-3	SW-52	ND<0.005	0.005	ND<0.005	0.005
73259-4	BS-35	ND<0.005	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 93%
Spike Recovery for Toluene: 98%
Spike Recovery for Xylene: 97%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07		Field Logbook No.:		Date: 2/14/92		Serial No.: 10522							
Project Name: Yerba Buena - Ransome				Project Location: Emeryville									
Sampler (Signature): <i>William Madson</i>													
SAMPLES				ANALYSES									
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	EPA-804			EPA-806		HOLD	RUSH	REMARKS
						8015-TPA D-610			4020-ATEX 5520F				
SW-50	2/14/92			1	Soil			X	X	X			48-HOUR TAT Results to Cindy Barclay
SW-51				1				X	X	X			
SW-52				1				X	X	X			
BS-35				1				X	X	X			
RELINQUISHED BY: (Signature) <i>William Madson</i>		DATE: 2/14/92		TIME: 16:15		RECEIVED BY: (Signature) <i>Katherine Sidhu</i>		DATE: 2/14/92		TIME: 16:15			
RELINQUISHED BY: (Signature)		DATE		TIME		RECEIVED BY: (Signature)		DATE		TIME			
RELINQUISHED BY: (Signature)		DATE		TIME		RECEIVED BY: (Signature)		DATE		TIME			
METHOD OF SHIPMENT:				DATE		TIME		LAB COMMENTS:					
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500				Analytical Laboratory: <i>Precision Analytical</i>									

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 03/03/92
Reported: 03/05/92
Job #: 73291

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Hydrocarbon Analysis
Standard Methods, 17th Edition, 5520F
mg/Kg

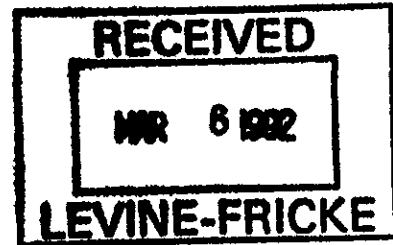
<u>Lab ID</u>	<u>Client ID</u>	<u>Total Hydrocarbons</u>	<u>MDL</u>
73291-1	SW-53	ND<50	50
73291-2	SW-54	ND<50	50
73291-3	BS-36	ND<50	50
73291-4	BS-37	ND<50	50

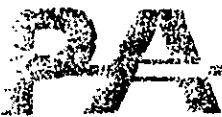
QA/QC: Spike Recovery: 98%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

JC/td





Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 03/03/92

Reported: 03/05/92

Job #: 73291

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73291-1	SW-53	ND<50	50
73291-2	SW-54	ND<50	50
73291-3	BS-36	ND<50	50
73291-4	BS-37	ND<50	50

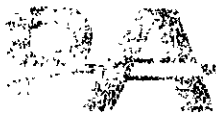
QA/QC: Spike Recovery: 105%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 03/03/92

Reported: 03/05/92

Job #: 73291

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

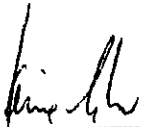
Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method. (LUFT)
mg/Kg

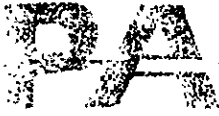
<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73291-1	SW-53	ND<10	10
73291-2	SW-54	ND<10	10
73291-3	BS-36	ND<10	10
73291-4	BS-37	ND<10	10

QA/QC: Spike Recovery: 105%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 03/03/92
Reported: 03/05/92
Job #: 73291

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

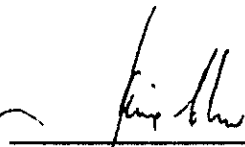
Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73291-1	SW-53	ND<10	10
73291-2	SW-54	ND<10	10
73291-3	BS-36	ND<10	10
73291-4	BS-37	ND<10	10

QA/QC: Spike Recovery: 98%

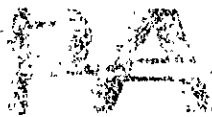
MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 03/03/92
Reported: 03/05/92
Job #: 73291

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab ID, Client ID, Benzene, MDL, Toluene, MDL. Rows 73291-1 to 73291-4.

Table with 6 columns: Lab ID, Client ID, Ethyl-benzene, MDL, Xylenes, MDL. Rows 73291-1 to 73291-4.

QA/QC: Spike Recovery for Benzene: 89%
Spike Recovery for Toluene: 94%
Spike Recovery for Xylene: 95%

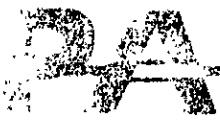
MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07		Field Logbook No.:		Date: 3/3/92		Serial No.: 10506							
Project Name: Yrba Buena Ransom		Project Location: Emeryville											
Sampler (Signature): <i>William Madson</i>				ANALYSES		Samplers: WEM							
SAMPLES						REMARKS							
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA 601	EPA 624	815-774	6000-BTEX	5520F	HOLD	RUSH	
SW-53	3/3/92			1	Soil			x	x	x		x	48-Hour TAT Results to Cindy Barclay
SW-54				1				x	x	x		x	
BS-36				1				x	x	x		x	
BS-37				1				x	x	x		x	
RELINQUISHED BY: (Signature) <i>William Madson</i>		DATE	TIME	RECEIVED BY: (Signature) <i>[Signature]</i>		DATE	TIME			DATE	TIME		
RELINQUISHED BY: (Signature)		DATE	TIME	RECEIVED BY: (Signature)		DATE	TIME			DATE	TIME		
RELINQUISHED BY: (Signature)		DATE	TIME	RECEIVED BY: (Signature)		DATE	TIME			DATE	TIME		
METHOD OF SHIPMENT:		DATE	TIME	LAB COMMENTS:									
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500				Analytical Laboratory: <i>Precision Analytical</i>									



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 03/04/92
Reported: 03/06/92
Job #: 73297

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608


Project: Yerba Buena, Emeryville
Matrix: Soil

Total Hydrocarbon Analysis
Standard Methods, 17th Edition, 5520F
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Total Hydrocarbons</u>	<u>MDL</u>
73297-1	SW-55	ND<50	50

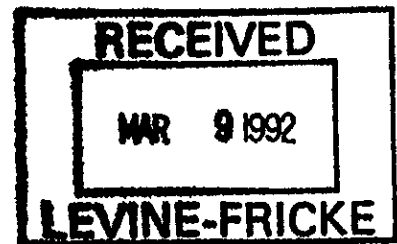
QA/QC: Spike Recovery: 99%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chew
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002 FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 03/04/92
Reported: 03/06/92
Job #: 73297

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

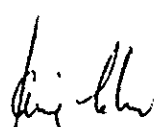
Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73297-1	SW-55	ND<50	50

QA/QC: Spike Recovery: 95%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 03/04/92

Reported: 03/06/92

Job #: 73297

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

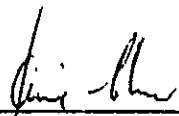
Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73297-1	SW-55	ND<10	10

QA/QC: Spike Recovery: 98%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 03/04/92

Reported: 03/06/92

Job #: 73297

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608


Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73297-1	SW-55	ND<10	10

QA/QC: Spike Recovery: 88%

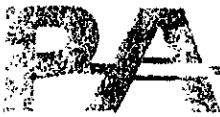
MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 03/04/92

Reported: 03/06/92

Job #: 73297

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil


Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Lab ID	Client ID	Benzene	MDL	Toluene	MDL
73297-1	SW-55	ND<0.005	0.005	ND<0.005	0.005

Lab ID	Client ID	Ethyl-benzene	MDL	Xylenes	MDL
73297-1	SW-55	ND<0.005	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 83%
Spike Recovery for Toluene: 87%
Spike Recovery for Xylene: 85%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07		Field Logbook No.:			Date: 3/4/92		Serial No.: 10681				
Project Name: Yerba Buena				Project Location: Emeryville							
Sampler (Signature): William Prodeson				ANALYSES			Samplers: WEM				
SAMPLES				504-601			504-602				
SAMPLES				5020-BTEX			505-TPHD				
SAMPLES				5520F			HOLD				
SAMPLES				RUSH			REMARKS				
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE						
SW-55	3/4/92	-		1	Soil		x	x	x		
RELINQUISHED BY: (Signature) William Prodeson		DATE 3/4/92		TIME 1615		RECEIVED BY: (Signature) Jie Liu			DATE 1645		
RELINQUISHED BY: (Signature)		DATE		TIME		RECEIVED BY: (Signature)			TIME		
RELINQUISHED BY: (Signature)		DATE		TIME		RECEIVED BY: (Signature)			TIME		
METHOD OF SHIPMENT:				DATE		TIME		LAB COMMENTS:			
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500						Analytical Laboratory: Precision Analytical					

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 03/05/92

Reported: 03/06/92

Job #: 73298

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

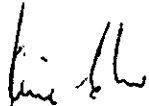
Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73298-1	SW-56	ND<50	50
73298-2	SW-57	ND<50	50

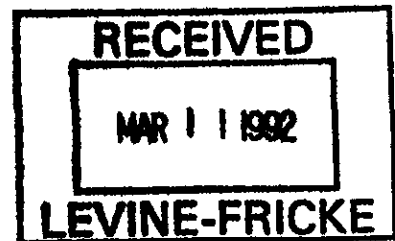
QA/QC: Spike Recovery: 95%

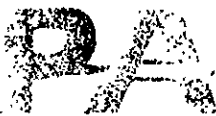
MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td





Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 03/05/92
Reported: 03/06/92
Job #: 73298

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

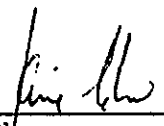
Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73298-1	SW-56	ND<10	10
73298-2	SW-57	ND<10	10

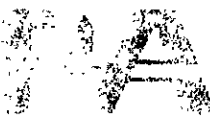
QA/QC: Spike Recovery: 98%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002 FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 03/05/92
Reported: 03/06/92
Job #: 73298

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

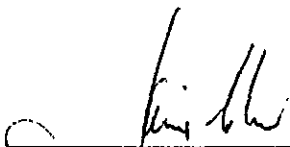
Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73298-1	SW-56	ND<10	10
73298-2	SW-57	ND<10	10

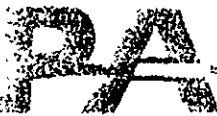
QA/QC: Spike Recovery: 88%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 03/05/92

Reported: 03/06/92

Job #: 73298

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab ID, Client ID, Benzene, MDL, Toluene, MDL. Rows for Lab IDs 73298-1 and 73298-2.

Table with 6 columns: Lab ID, Client ID, Ethyl-benzene, MDL, Xylenes, MDL. Rows for Lab IDs 73298-1 and 73298-2.

QA/QC: Spike Recovery for Benzene: 83%
Spike Recovery for Toluene: 87%
Spike Recovery for Xylene: 85%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 03/05/92

Reported: 03/09/92

Job #: 73298

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Hydrocarbon Analysis
Standard Methods, 17th Edition, 5520F
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Total Hydrocarbons</u>	<u>MDL</u>
73298-1	SW-56	ND<50	50
73298-2	SW-57	ND<50	50

QA/QC: Spike Recovery: 99%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: <u>1649.07</u>	Field Logbook No.:	Date: <u>3/5/92</u>	Serial No.: <u>10524</u>
Project Name: <u>Yerba Buena</u>	Project Location: <u>Emeryville</u>		

SAMPLER (Signature):					ANALYSES					SAMPLERS:		REMARKS	
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA-881	EPA-824	8015-TPH	8015-BTEX	8015-TOC	HOLD		RUSH
<u>SW-56</u>	<u>3/5/92</u>	<u>1</u>		<u>1</u>	<u>Soil</u>			<u>x</u>	<u>x</u>	<u>x</u>	<u>x</u>		<u>48-HOUR TAT Results to Cindy Barclay</u>
<u>SW-57</u>	<u>3/5/92</u>	<u>1</u>		<u>1</u>	<u>Soil</u>			<u>x</u>	<u>x</u>	<u>x</u>	<u>x</u>		

RELINQUISHED BY: (Signature) <u>William Fricke</u>	DATE: <u>3/5/92</u>	TIME: <u>15:30</u>	RECEIVED BY: (Signature) <u>Kulwinder Sidhu</u>	DATE: <u>3/5/92</u>	TIME: <u>15:30</u>
	RELINQUISHED BY: (Signature)	DATE:		TIME:	RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature)	DATE:	TIME:	RECEIVED BY: (Signature)	DATE:	TIME:
METHOD OF SHIPMENT:	DATE:	TIME:	LAB COMMENTS:		
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500			Analytical Laboratory: <u>Precision Analytical</u>		

APPENDIX N

**LABORATORY CERTIFICATES - CHARACTERIZATION OF AQUA RESOURCES,
INC., STOCKPILE SOILS**

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (510) 222-3002 FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/15/91
Reported: 10/17/91
Job #: 72913

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608


Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon as Oil
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
72913-1	SP1-1	180	50
72913-2	SP2-1	80	50
72913-3	SP3-1	570	50
72913-4	SP4-1	560	50
72913-5	SP5-1	51	50
72913-6	SP6-1	110	50
72913-7	SP7-1	100	50
72913-8	SP8-1	130	50
72913-9	SP9-1	480	50
72913-10	SP9-2	360	50
72913-11	SP17-1	130	50
72913-12	SP8-2	80	50

QA/QC: Spike Recovery for Oil: 87%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/15/91

Reported: 10/17/91

Job #: 72913

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

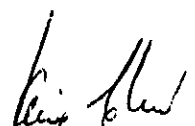
Project: Yerba Buena
Emeryville, CA

Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72913-1	SP1-1	ND<10	10
72913-2	SP2-1	ND<10	10
72913-3	SP3-1	ND<10	10
72913-4	SP4-1	ND<10	10
72913-5	SP5-1	ND<10	10
72913-6	SP6-1	ND<10	10
72913-7	SP7-1	ND<10	10
72913-8	SP8-1	ND<10	10
72913-9	SP9-1	ND<10	10
72913-10	SP9-2	ND<10	10
72913-11	SP17-1	ND<10	10
72913-12	SP8-2	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY

FILE
1649-07

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/15/91
Reported: 10/17/91
Job #: 72913

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena - 1649.07
Emeryville, CA

JAN - 2008

Matrix: Soil

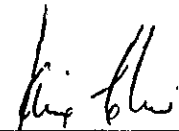
CCC # 7112

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Lab ID	Client ID	Diesel	MDL
72913-1	SP1-1	ND<10	10
72913-2	SP2-1	ND<10	10
72913-3	SP3-1	ND<10	10
72913-4	SP4-1	ND<10	10
72913-5	SP5-1	ND<10	10
72913-6	SP6-1	ND<10	10
72913-7	SP7-1	ND<10	10
72913-8	SP8-1	ND<10	10
72913-9	SP9-1	ND<10	10
72913-10	SP9-2	ND<10	10
72913-11	SP17-1	ND<10	10
72913-12	SP8-2	ND<10	10

QA/QC: Spike Recovery for Diesel: 102%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07			Field Logbook No.:			Date: 10/15/91		Serial No.: N ^o 7112			
Project Name: Verdig Buena-Ransome			Project Location: Emeryville, CA								
Sampler (Signature): <i>[Signature]</i>			ANALYSES			SAMPLERS:			VTK/WEM		
SAMPLES						EPA 601			EPA 624		
						EMBOSS			HOLD		
						RUSH			REMARKS		
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA 601	EPA 624	EMBOSS	HOLD	RUSH	REMARKS
X SP1-1				1	Sn/						
X SP2-1											24 Hr T.O.T.
SP3-1											For/verbal Result
SP4-1											
SP5-1											
X SP6-1											X (1 st Priority)
X SP7-1											
X SP8-1											
X SP9-1											
X SP9-2											
SP17-1											
RELINQUISHED BY: <i>[Signature]</i>			DATE: 10/15/91	TIME: 4PM	RECEIVED BY: <i>[Signature]</i>			DATE: 10/15/91	TIME: 4PM		
RELINQUISHED BY: <i>[Signature]</i>			DATE:	TIME:	RECEIVED BY: <i>[Signature]</i>			DATE:	TIME:		
RELINQUISHED BY: <i>[Signature]</i>			DATE:	TIME:	RECEIVED BY: <i>[Signature]</i>			DATE:	TIME:		
METHOD OF SHIPMENT:			DATE:	TIME:	LAB COMMENTS:						
Sample Collector: Victor Kong			LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500			Analytical Laboratory: Precision Lab					

Shipping Copy (White)

Lab Copy (Green)

File Copy (Yellow)

Field Copy (Pink)

FORM NO. 86/COC/ARF

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/15/91
Reported: 10/17/91
Job #: 72914

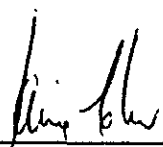
Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena - 10-49, 07
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon as Gasoline
DHS Extraction Method (LUFT)
mg/Kg

Lab ID	Client ID	Gasoline	MDL
72914-1	SP-10-1	18	10
72914-2	SP-10-2	ND<10	10
72914-3	SP-10-3	ND<10	10
72914-4	SP-10-4	ND<10	10
72914-5	SP-10-5	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/15/91

Reported: 10/17/91

Job #: 72914

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
72914-1	SP-10-1	ND<10	10
72914-2	SP-10-2	ND<10	10
72914-3	SP-10-3	ND<10	10
72914-4	SP-10-4	ND<10	10
72914-5	SP-10-5	ND<10	10

QA/QC: Spike Recovery for Diesel: 101%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/15/91

Reported: 10/17/91

Job #: 72914

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena
Emeryville, CA


Matrix: Soil

Total Petroleum Hydrocarbon as Oil
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
72914-1	SP-10-1	ND<50	50
72914-2	SP-10-2	ND<50	50
72914-3	SP-10-3	ND<50	50
72914-4	SP-10-4	ND<50	50
72914-5	SP-10-5	ND<50	50

QA/QC: Spike Recovery for Oil: 87%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY

File
1649.07

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (510) 222-3002 FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/15/91
Reported: 10/17/91
Job #: 72914

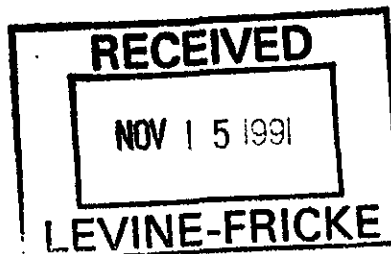
Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

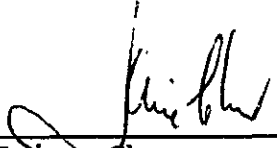
Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon as Gasoline
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72914-1	SP-10-1	18	10
72914-2	SP-10-2	ND<10	10
72914-3	SP-10-3	ND<10	10
72914-4	SP-10-4	ND<10	10
72914-5	SP-10-5	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.





 Jaime Chow
 Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: <u>1649.07</u>	Field Logbook No.:	Date: <u>10/15/91</u>	Serial No.: <u>7113</u>
Project Name: <u>Yorba Buena - Ransome</u>	Project Location: <u>Emeryville, CA</u>		

SAMPLER (Signature): <u>[Signature]</u>					ANALYSES							SAMPLERS: <u>UTK/WEA</u>	
SAMPLES					EPA 601	EPA 624	EPA 801/1A	HOLD	RUSH	REMARKS			
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE								
SP10-1				1	Soil							24 Hr. T.O.T. Final/Initial Result	
SP10-2				↓	↓								
SP10-3				↓	↓								
SP10-4				↓	↓								
SP10-5				↓	↓								

RELINQUISHED BY: (Signature) <u>[Signature]</u>	DATE: <u>10/15/91</u>	TIME: <u>4:00 PM</u>	RECEIVED BY: (Signature) <u>[Signature]</u>	DATE: <u>10/15/91</u>	TIME: <u>2:00 PM</u>
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:			LAB COMMENTS:		
Sample Collector: <u>Victor Kowig</u>			Analytical Laboratory: <u>Precision Analytical</u>		
LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500					

File
1647.07

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/16/91
Reported: 10/18/91
Job #: 72916

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72916-9	Composite of SP16-4D, SP16-5D, and SP16-6D	17	10
72916-25	K2-12	19	10
72916-26	K3-12	14	10

MDL: Method Detection Limit. Compound below this level would not be detected.

RECEIVED
NOV 15 1991
LEVINE-FRICKE

Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/16/91
Reported: 10/18/91
Job #: 72916

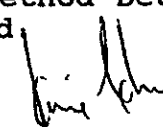
Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
72916-1	SP11-1	40	10
72916-2	SP12-1	430	10
72916-3	SP13-1	19	10
72916-4	SP14-1	ND<10	10
72916-5	SP15-1	ND<10	10
72916-6	Composite of SP16-1D, SP16-2D, and SP16-3D	ND<10	10
72916-9	Composite of SP16-4D, SP16-5D, and SP16-6D	17	10
72916-11	SP15-2	ND<10	10
72916-12	SP19-1	ND<10	10
72916-13	SP19-2	ND<10	10
72916-14	SP19-3	ND<10	10
72916-15	SP19-4	ND<10	10
72916-16	SP21-1	ND<10	10
72916-17	SP22-1	17	10
72916-18	SP22-2	ND<10	10

QA/QC: Spike Recovery for Diesel: 112%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

STATE LICENSE NO. E 750

Attn: Peng Leong
Levine-Fricke

Received: 10/16/91
Reported: 10/18/91
Job #: 72916

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
72916-20	Composite of SP16-7D, SP16-8D, and SP16-9D	ND<10	10
72916-23	Composite of SP20-1D, and SP20-3D	ND<10	10
72916-24	K1-12	ND<10	10
72916-25	K2-12	ND<10	10
72916-26	K3-12	ND<10	10
72916-27	K4-12	ND<10	10
72916-29	Composite of SP20-4D, and SP20-5D	ND<10	10

QA/QC: Spike Recovery for Diesel: 112%

MDL: Method Detection Limit. Compound below this level would not be detected.

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (415) 222-3002 FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/16/91
Reported: 10/18/91
Job #: 72916

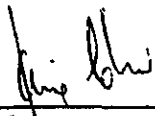
Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon as Oil
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
72916-1	SP11-1	170	50
72916-2	SP12-1	2,500	50
72916-3	SP13-1	880	50
72916-4	SP14-1	90	50
72916-5	SP15-1	ND<50	50
72916-6	Composite of SP16-1D, SP16-2D, and SP16-3D	ND<50	50
72916-9	Composite of SP16-4D, SP16-5D, and SP16-6D	100	50
72916-11	SP15-2	ND<50	50
72916-12	SP19-1	ND<50	50
72916-13	SP19-2	ND<50	50
72916-14	SP19-3	ND<50	50
72916-15	SP19-4	ND<50	50
72916-16	SP21-1	ND<50	50
72916-17	SP22-1	280	50
72916-18	SP22-2	110	50

QA/QC: Spike Recovery for Oil: 103%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

STATE LICENSE NO. E 750

Attn: Peng Leong
Levine-Fricke

Received: 10/16/91
Reported: 10/18/91
Job #: 72916

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon as Oil
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
72916-20	Composite of SP16-7D, SP16-8D, and SP16-9D	ND<50	50
72916-23	Composite of SP20-1D, and SP20-3D	110	50
72916-24	K1-12	ND<50	50
72916-25	K2-12	ND<50	50
72916-26	K3-12	ND<50	50
72916-27	K4-12	ND<50	50
72916-29	Composite of SP20-4D, and SP20-5D	300	50

QA/QC: Spike Recovery for Oil: 103%

MDL: Method Detection Limit. Compound below this level would not be detected.

Page 1 of 2

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07 Field Logbook No.: Date: 10/16/91 Serial No.: 7114
 Project Name: Yerba Buena Project Location: Emeryville

Sampler (Signature): *William Proctor* ANALYSES Samplers: WEM, VTK
 SAMPLES

SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	ANALYSES					HOLD	RUSH	REMARKS
						EPA 601	EPA 624	EPA 815	EPA 810				
SP11-1	10/16/91			1	Soil		X	X			X		48 Hour TAT
SP12-1							X	X			X		
SP13-1							X				X		RESULTS to
SP14-1							X				X		Paul Leong
SP15-1							X				X		
SP16-1D							X				X		
SP16-2D							X				X		
SP16-3D											X		
SP16-4D											X		
SP16-5D											X		
SP15-2											X		
SP19-1											X		
SP19-2											X		
SP19-3											X		
SP19-4											X		
SP21-1											X		

RELINQUISHED BY: *William Proctor* DATE: 10/16/91 TIME: 15:15 RECEIVED BY: *William Proctor* DATE: 10/16/91 TIME: 15:15

RELINQUISHED BY: (Signature) DATE TIME RECEIVED BY: (Signature) DATE TIME

RELINQUISHED BY: (Signature) DATE TIME RECEIVED BY: (Signature) DATE TIME

METHOD OF SHIPMENT: DATE TIME LAB COMMENTS:

Sample Collector: LEVINE-FRICKE
 1900 Powell Street, 12th Floor
 Emeryville, Ca 94608
 (415) 652-4500 Analytical Laboratory:
 Precision, Richmond

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

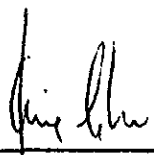
Received: 10/16/91
Reported: 10/18/91
Job #: 72916

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72916-1	SP11-1	ND<10	10
72916-2	SP12-1	ND<10	10
72916-3	SP13-1	ND<10	10
72916-4	SP14-1	ND<10	10
72916-5	SP15-1	ND<10	10
72916-6	Composite of SP16-1D, SP16-2D, and SP16-3D	ND<10	10
72916-9	Composite of SP-16-4D, SP-16-5D, and SP16-6D	17	10
72916-11	SP15-2	ND<10	10
72916-12	SP19-1	ND<10	10
72916-13	SP19-2	ND<10	10
72916-14	SP19-3	ND<10	10
72916-15	SP19-4	ND<10	10
72916-16	SP21-1	ND<10	10
72916-17	SP22-1	ND<10	10
72916-18	SP22-2	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

STATE LICENSE NO. E 750

Attn: Peng Leong
Levine-Fricke

Received: 10/16/91
Reported: 10/18/91
Job #: 72916

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72916-20	Composite of SP16-7D, SP16-8D, and SP16-9D	ND<10	10
72916-23	Composite of SP20-1D, and SP20-3D	ND<10	10
72916-24	K1-12	ND<10	10
72916-25	K2-12	19	10
72916-26	K3-12	14	10
72916-27	K4-12	ND<10	10
72916-29	Composite of SP20-4D, and SP20-5D	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: <u>1649.07</u>	Field Logbook No.:	Date: <u>10/16/91</u>	Serial No.: <u>7115</u>
Project Name:	Project Location:		

Sampler (Signature)		ANALYSES										HOLD	RUSH	Samplers:	REMARKS
		SAMPLES					EPA-801	EPA-802	EPA-815	EPA-821	EPA-822				
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE										
SP 22-1	10/16/91			1	Soil			X	X				X		48-Hour TAT
SP 22-2	10/16/91														
SP 16-60															
SP 16-70															
SP 16-80															
SP 16-90															
SP 20-10															24-Hour TAT
K1-12															
K2-12															
K3-12															
K4-12															
SP-20-30															48-Hour TAT
SP 20-40															
SP 20-50															Results to Peng Leang

RELINQUISHED BY: (Signature) <u>[Signature]</u>	DATE	TIME	RECEIVED BY: (Signature) <u>[Signature]</u>	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:		DATE	TIME	LAB COMMENTS:	
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500			Analytical Laboratory: <u>Precision, Richmond</u>		

Project No.: 1649.07 Field Logbook No.: _____ Date: 10/16/91 Serial No.: 7115
 Project Name: _____ Project Location: _____

SAMPLER (Signature):						ANALYSES						SAMPLERS		
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE						HOLD	RUSH	REMARKS	
						EPA-801	EPA-824	EPA-815	EPA-821	EPA-816				
SP 22-1	10/16/91			1	Soil		X	X			X		48-Hour TAT	
SP 22-2	10/16/91													
SP 16-60														
SP 16-70														
SP 16-80														
SP 16-90														
SP 20-10														
K1-12														24-Hour TAT
K2-12														
K3-12														
K4-12														
SP-20-30													48-Hour TAT	
SP 20-40														
SP 20-50														
													Results to Peng Leung	

RELINQUISHED BY: (Signature) <u>[Signature]</u>	DATE <u>10/16/91</u>	TIME <u>15:15</u>	RECEIVED BY: (Signature) <u>[Signature]</u>	DATE <u>10/16/91</u>	TIME <u>15:15 P</u>
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME

METHOD OF SHIPMENT: _____ DATE: _____ TIME: _____ LAB COMMENTS: _____

Sample Collector: **LEVINE-FRICKE**
 1900 Powell Street, 12th Floor
 Emeryville, Ca 94608
 (415) 652-4500

Analytical Laboratory: Precision, Richmond

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (415) 222-3002 FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/17/91
Reported: 10/21/91
Job #: 72934

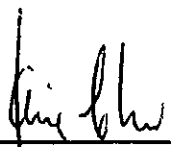
Project: Yerba Buena
Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Lab ID	Client ID	Oil	MDL
72934-1	TP-3-4	ND<50	50
72934-2	TP-3-8	ND<50	50
72934-3	TP-3-11	ND<50	50
72934-4	TP-4-4	ND<50	50
72934-5	TP-4-8	ND<50	50
72934-6	TP-4-11	ND<50	50
72934-7	TP-5-5	ND<50	50
72934-8	TP-5-8	ND<50	50
72934-9	TP-5-11.5	ND<50	50
72934-10	TP-8-4	ND<50	50
72934-11	TP-8-8.5	ND<50	50
72934-12	TP-8-1.2	ND<50	50
72934-13	SP-4-2	590	50
72934-14	SP4-3	1,100	50
72934-15	G-9-13	ND<50	50
72934-16	L-48-8	ND<50	50

QA/QC: Spike Recovery for Oil: 96%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

RECEIVED
OCT 24 1991
LEVINE-FRICKE

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

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1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/17/91
Reported: 10/21/91
Job #: 72934

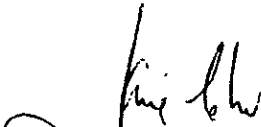
Project: Yerba Buena
Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
EPA Method 5030
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72934-1	TP-3-4	ND<10	10
72934-2	TP-3-8	80	10
72934-3	TP-3-11	80	10
72934-4	TP-4-4	ND<10	10
72934-5	TP-4-8	ND<10	10
72934-6	TP-4-11	ND<10	10
72934-7	TP-5-5	12	10
72934-8	TP-5-8	120	10
72934-9	TP-5-11.5	220	10
72934-10	TP-8-4	ND<10	10
72934-11	TP-8-8.5	ND<10	10
72934-12	TP-8-1.2	ND<10	10
72934-13	SP-4-2	ND<10	10
72934-14	SP4-3	ND<10	10
72934-15	G-9-13	ND<10	10
72934-16	L-48-8	ND<10	10

QA/QC: Spike Recovery for Gasoline: 113%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

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FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

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Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/17/91
Reported: 10/21/91
Job #: 72934

Project: Yerba Buena
Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
72934-1	TP-3-4	ND<10	10
72934-2	TP-3-8	ND<10	10
72934-3	TP-3-11	23	10
72934-4	TP-4-4	ND<10	10
72934-5	TP-4-8	ND<10	10
72934-6	TP-4-11	ND<10	10
72934-7	TP-5-5	ND<10	10
72934-8	TP-5-8	ND<10	10
72934-9	TP-5-11.5	ND<10	10
72934-10	TP-8-4	ND<10	10
72934-11	TP-8-8.5	ND<10	10
72934-12	TP-8-1.2	ND<10	10
72934-13	SP-4-2	ND<10	10
72934-14	SP-4-3	ND<10	10
72934-15	G-9-13	ND<10	10
72934-16	L-48-8	ND<10	10

QA/QC: Spike Recovery for Diesel: 97%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (415) 222-3002 FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/17/91
Reported: 10/21/91
Job #: 72934

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena
Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab ID, Client ID, Benzene, MDL, Toluene, MDL. Rows include data for Lab IDs 72934-1 through 72934-4.

Table with 6 columns: Lab ID, Client ID, Ethylbenzene, MDL, Xylenes, MDL. Rows include data for Lab IDs 72934-1 through 72934-4.

QA/QC: Spike Recovery for Benzene: 91%
Spike Recovery for Toluene: 100%
Spike Recovery for Xylene: 94%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (415) 222-3002 FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/17/91
Reported: 10/21/91
Job #: 72934

Attn: Peng Leong
Levine-Fricke

Project: Borland
Scotts Valley
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
72934-5	TP-4-8	0.23	0.005	0.017	0.005
72934-6	TP-4-11	0.10	0.005	0.01	0.005
72934-7	TP-5-5	0.40	0.005	0.007	0.005
72934-8	TP-5-8	2.7	0.005	10	0.005
72934-9	TP-5-11.5	3.3	0.005	20	0.005
72934-10	TP-8-4	ND<0.005	0.005	0.009	0.005

<u>Lab ID</u>	<u>Client ID</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
72934-5	TP-4-8	0.23	0.005	0.28	0.005
72934-6	TP-4-11	0.48	0.005	0.60	0.005
72934-7	TP-5-5	0.60	0.005	0.14	0.005
72934-8	TP-5-8	11	0.005	57	0.005
72934-9	TP-5-11.5	15	0.005	72	0.005
72934-10	TP-8-4	ND<0.005	0.005	0.027	0.005

QA/QC: Spike Recovery for Benzene: 91%
Spike Recovery for Toluene: 100%
Spike Recovery for Xylene: 94%

MDL: Method Detection Limit. Compound below this level would not be detected.

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (415) 222-3002 FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/16/91
Reported: 10/21/91
Job #: 72934

Attn: Peng Leong
Levine-Fricke

Project: Borland
 Scotts Valley
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
72934-11	TP-8-8.5	ND<0.005	0.005	ND<0.005	0.005
72934-12	TP-8-12	ND<0.005	0.005	ND<0.005	0.005
72934-15	G-9-13	ND<0.005	0.005	ND<0.005	0.005
72934-16	L-48-8	ND<0.005	0.005	ND<0.005	0.005

<u>Lab ID</u>	<u>Client ID</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
72934-11	TP-8-8.5	0.03	0.005	0.009	0.005
72934-12	TP-8-12	ND<0.005	0.005	0.009	0.005
72934-15	G-9-13	ND<0.005	0.005	ND<0.005	0.005
72934-16	L-48-8	ND<0.005	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 91%
 Spike Recovery for Toluene: 100%
 Spike Recovery for Xylene: 94%

MDL: Method Detection Limit. Compound below this level would not be detected.

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07			Field Logbook No.:			Date: 10/17/91			Serial No.: 7549				
Project Name: Yorba Buena			Project Location: Emeryville										
Sampler (Signature): <i>William Friedman</i>			ANALYSES						Samplers: WEM				
SAMPLES													
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	ERA-601	ERA-602	ERA-603	ERA-604	ERA-605	HOLD	RUSH	REMARKS
TP-3-4	10/17/91			1	Soil						X		24-Hour TAT Results to Peng Leong
TP-3-8													
TP-3-11													
TP-4-4													
TP-4-8													
TP-4-11													
TP-5-5													
TP-5-8													
TP-5-11.5													
TP-8-4													
TP-8-8.5													
TP-8-12								X					
SP-4-2									X				
SP-4-3									X				
G-9-13									X				
L-43-8									X				
RELINQUISHED BY: (Signature) <i>William Friedman</i>			DATE	TIME	RECEIVED BY: (Signature) <i>Joe K...</i>			DATE	TIME				
RELINQUISHED BY: (Signature)			DATE	TIME	RECEIVED BY: (Signature)			DATE	TIME				
RELINQUISHED BY: (Signature)			DATE	TIME	RECEIVED BY: (Signature)			DATE	TIME				
METHOD OF SHIPMENT:			DATE	TIME	LAB COMMENTS:								
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Co 94608 (415) 652-4500			Analytical Laboratory: <i>Precision, Richmond</i>										

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (415) 222-3002 FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/18/91
Reported: 10/21/91
Job #: 72936

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

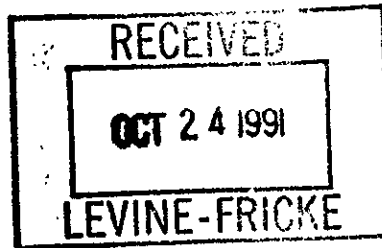
Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Lab ID	Client ID	Diesel	MDL
72936-1	SP20-2D	ND<10	10
72936-2	SP20-6D	12	10
72936-3	SP20-7D	ND<10	10
72936-4	SP20-8D	ND<10	10
72936-5	SP20-9D	ND<10	10
72936-6	SP16-9D	60	10
72936-7	SP16-10D	ND<10	10
72936-8	SP18-1	100	10
72936-9	G-10-2	ND<10	10

QA/QC: Spike Recovery for Diesel: 97%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director



JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/18/91
Reported: 10/21/91
Job #: 72936


Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
72936-1	SP20-2D	1,230	50
72936-2	SP20-6D	560	50
72936-3	SP20-7D	810	50
72936-4	SP20-8D	300	50
72936-5	SP20-9D	51	50
72936-6	SP16-9D	150	50
72936-7	SP16-10D	ND<50	50
72936-8	SP18-1	1,260	50
72936-9	G-10-2	ND<50	50

QA/QC: Spike Recovery for Oil: 96%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

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STATE LICENSE NO. E 750

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/18/91
Reported: 10/21/91
Job #: 72936

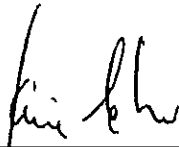
Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72936-1	SP20-2D	ND<10	10
72936-2	SP20-6D	ND<10	10
72936-3	SP20-7D	ND<10	10
72936-4	SP20-8D	15	10
72936-5	SP20-9D	ND<10	10
72936-6	SP16-9D	390	10
72936-7	SP16-10D	ND<10	10
72936-8	SP18-1	ND<10	10
72936-9	G-10-2	ND<10	10

QA/QC: Spike Recovery for Gasoline: 113%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

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PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/18/91

Reported: 10/21/91

Job #: 72936

Attn: Peng Leong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena
Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
72936-9	G-10-2	ND<0.005	0.005	ND<0.005	0.005

<u>Lab ID</u>	<u>Client ID</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
72936-9	G-10-2	ND<0.005	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 91%
Spike Recovery for Toluene: 100%
Spike Recovery for Xylene: 94%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

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CHAIN OF CUSTODY / ANALYSES REQUEST FORM

2A36

Project No.: <u>1649.07</u>	Field Logbook No.:	Date: <u>10/18/91</u>	Serial No.: <u>8140</u>
Project Name: <u>Yerba Buena</u>	Project Location: <u>Emeryville</u>		

Sampler (Signature): William Madison ANALYSES Samplers: WEM

SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	ANALYSES					HOLD	RUSH	REMARKS
						EPA 601	EPA 624	EPA 815	ICD	3315/3320			
SP20-2D	10/18/91		*	1	Soil			X			X	48-HOUR TAT	
SP20-6D			*										
SP20-7D			*										
SP20-8D			*										
SP20-9D			*										
SP16-9D			*										
SP16-10D			*									24 HOUR TAT	
SP18-1													
G-10-2								X				Fax verbal results	

RELINQUISHED BY: (Signature) <u>William Madison</u>	DATE: <u>10/18/91</u>	TIME: <u>1:50 pm</u>	RECEIVED BY: (Signature) <u>Hulwinder John</u>	DATE: <u>10/18/91</u>	TIME: <u>1:50 pm</u>
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: <u>William Madison</u> LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: <u>Precision, Richmond</u>
---	--

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/23/91
Reported: 10/28/91
Job #: 72948

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
72948-1	SP3-2	320	50
72948-2	SP3-3	690	50
72948-3	SP9-1	80	50
72948-4	SP9-2	10	50
72948-5	SP9-3	270	50
72948-6	SP9-4	110	50
72948-7	SP9-5	200	50
72948-8	SP9-6	ND<50	50
72948-9	SP9-7	ND<50	50
72948-10	SP9-8	230	50

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

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Page 1 of 2

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke

Received: 10/23/91
Reported: 10/28/91
Job #: 72948

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
72948-11	SP9-9	140	50
72948-12	SP9-10	130	50
72948-13	SP9-11	215	50
72948-14	SP9-12	260	50
72948-15	SP9-13	85	50
72948-16	SP9-14	160	50

MDL: Method Detection Limit. Compound below this level would not be detected.

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

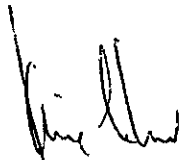
Received: 10/23/91
Reported: 10/28/91
Job #: 72948

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
72948-1	SP3-2	17	10
72948-2	SP3-3	13	10
72948-3	SP9-1	ND<10	10
72948-4	SP9-2	ND<10	10
72948-5	SP9-3	ND<10	10
72948-6	SP9-4	ND<10	10
72948-7	SP9-5	ND<10	10
72948-8	SP9-6	ND<10	10
72948-9	SP9-7	ND<10	10
72948-10	SP9-8	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

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Precision Analytical Laboratory, Inc.

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke

Received: 10/23/91
Reported: 10/28/91
Job #: 72948

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
72948-11	SP9-9	ND<10	10
72948-12	SP9-10	ND<10	10
72948-13	SP9-11	ND<10	10
72948-14	SP9-12	ND<10	10
72948-15	SP9-13	ND<10	10
72948-16	SP9-14	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/23/91
Reported: 10/28/91
Job #: 72948

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72948-1	SP3-2	ND<10	10
72948-2	SP3-3	ND<10	10
72948-3	SP9-1	ND<10	10
72948-4	SP9-2	ND<10	10
72948-5	SP9-3	ND<10	10
72948-6	SP9-4	ND<10	10
72948-7	SP9-5	ND<10	10
72948-8	SP9-6	ND<10	10
72948-9	SP9-7	ND<10	10
72948-10	SP9-8	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke

Received: 10/23/91
Reported: 10/28/91
Job #: 72948

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72948-11	SP9-9	ND<10	10
72948-12	SP9-10	ND<10	10
72948-13	SP9-11	ND<10	10
72948-14	SP9-12	ND<10	10
72948-15	SP9-13	ND<10	10
72948-16	SP9-14	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (510) 222-3002 FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/23/91
Reported: 12/06/91
Job #: 72948

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

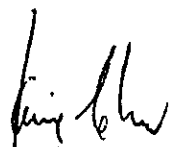
Project: Verba Buena
Emeryville, CA
Matrix: Soil

Total Oil & Grease
EPA Method 9071
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil & Grease</u>	<u>MDL</u>
72948-2	SP3-3	17,000	50

QA/QC: Spike Recovery: 94%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: <u>1649.07</u>	Field Logbook No.:	Date: <u>10/23/91</u>	Serial No.: <u>7424</u>
Project Name: <u>Yerba Buena</u>	Project Location: <u>Emeryville</u>		

SAMPLER (Signature): <u>[Signature]</u>					ANALYSES								SAMPLERS: <u>MEAN/MJ'S</u>			
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE									REMARKS		
						EPA 601	EPA 624	SO15							HOLD	RUSH
SP3-2	10/23/91			1	Soil										X	48 Hour TAT For wet soil Please Homogenize each sample. Results to: Victor Kong.
SP3-3															X	
SP9-1															X	
SP9-2															X	
SP9-3															X	
SP9-4															X	
SP9-5															X	
SP9-6															X	
SP9-7															X	
SP9-8															X	
SP9-9															X	
SP9-10															X	
SP9-11															X	
SP9-12															X	
SP9-13															X	
SP9-14															X	

RELINQUISHED BY: (Signature) <u>[Signature]</u>	DATE: <u>10/23/91</u>	TIME: <u>14:55</u>	RECEIVED BY: (Signature) <u>[Signature]</u>	DATE: <u>10/23/91</u>	TIME: <u>19:55</u>
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: <u>Precision Analytical, Rich...</u>
--	--

Shipping Copy (White)

Lab Copy (Green)

File Copy (Yellow)

Field Copy (Pink)

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608


Received: 10/23/91
Reported: 10/28/91
Job #: 72949

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
72949-1	SP9-15	110	50
72949-2	SP9-16	80	50
72949-3	SP9-17	225	50
72949-4	SP9-18	125	50
72949-5	SP9-19	60	50
72949-6	SP9-20	ND<50	50
72949-7	SP9-21	66	50
72949-8	SP9-22	276	50
72949-9	SP9-23	ND<50	50
72949-10	SP9-24	88	50

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

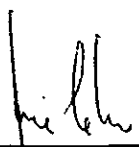
Received: 10/23/91
Reported: 10/28/91
Job #: 72949

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72949-1	SP9-15	ND<10	10
72949-2	SP9-16	ND<10	10
72949-3	SP9-17	ND<10	10
72949-4	SP9-18	ND<10	10
72949-5	SP9-19	ND<10	10
72949-6	SP9-20	ND<10	10
72949-7	SP9-21	ND<10	10
72949-8	SP9-22	ND<10	10
72949-9	SP9-23	ND<10	10
72949-10	SP9-24	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

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FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608


Received: 10/23/91
Reported: 10/28/91
Job #: 72949

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
72949-1	SP9-15	ND<10	10
72949-2	SP9-16	ND<10	10
72949-3	SP9-17	ND<10	10
72949-4	SP9-18	ND<10	10
72949-5	SP9-19	ND<10	10
72949-6	SP9-20	ND<10	10
72949-7	SP9-21	ND<10	10
72949-8	SP9-22	ND<10	10
72949-9	SP9-23	ND<10	10
72949-10	SP9-24	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Page 5 of 5

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 164907	Field Logbook No.:	Date: 10/23/91	Serial No.: 7553
Project Name: Yerba Buena	Project Location: Emeryville		

SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	ANALYSES										REMARKS	
						EP-604	EP-624	8015									HOLD
SP9-15	10/23/91			1	Soil			X								X	4/6-10/91 TAT
SP9-16																	
SP9-17																	
SP9-18																	Blouse homogenized each sample
SP9-19																	
SP9-20																	
SP9-21																	Results: Victor Kong
SP9-22																	
SP9-23																	
SP9-24		✓		✓	✓			✓								✓	

Cont
low

RELINQUISHED BY: (Signature) [Signature]	DATE: 10/23/91	TIME: 15:00	RECEIVED BY: (Signature) [Signature]	DATE: 10/23/91	TIME: 15:00
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: Precision Analytical, Inc.
---	--

FILE
1649.07

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (415) 222-3002 FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

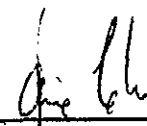
Received: 10/23/91
Reported: 10/29/91
Job #: 72950

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

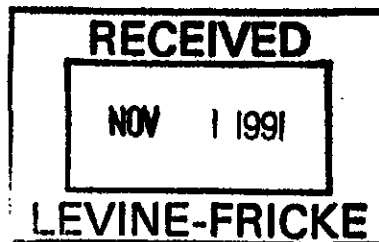
Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
72950-1	SP4-4	255	50
72950-2	SP4-5	160	50
72950-3	SP4-6	260	50
72950-4	SP4-7	170	50
72950-5	SP4-8	210	50
72950-6	SP4-9	175	50
72950-7	SP4-10	220	50
72950-8	SP4-11	130	50
72950-9	SP4-12	180	50
72950-10	SP4-13	320	50
72950-11	SP4-14	ND<50	50
72950-12	SP4-15	55	50
72950-13	SP4-16	70	50
72950-14	SP4-17	ND<50	50
72950-15	SP4-18	ND<50	50
72950-16	SP4-19	50	50

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director



JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

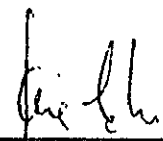
Received: 10/23/91
Reported: 10/29/91
Job #: 72950

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72950-1	SP4-4	ND<10	10
72950-2	SP4-5	ND<10	10
72950-3	SP4-6	ND<10	10
72950-4	SP4-7	ND<10	10
72950-5	SP4-8	ND<10	10
72950-6	SP4-9	ND<10	10
72950-7	SP4-10	ND<10	10
72950-8	SP4-11	ND<10	10
72950-9	SP4-12	ND<10	10
72950-10	SP4-13	ND<10	10
72950-11	SP4-14	ND<10	10
72950-12	SP4-15	ND<10	10
72950-13	SP4-16	ND<10	10
72950-14	SP4-17	ND<10	10
72950-15	SP4-18	ND<10	10
72950-16	SP4-19	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608


Received: 10/23/91
Reported: 10/29/91
Job #: 72950

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
72950-1	SP4-4	ND<10	10
72950-2	SP4-5	11	10
72950-3	SP4-6	10	10
72950-4	SP4-7	ND<10	10
72950-5	SP4-8	ND<10	10
72950-6	SP4-9	ND<10	10
72950-7	SP4-10	ND<10	10
72950-8	SP4-11	ND<10	10
72950-9	SP4-12	ND<10	10
72950-10	SP4-13	ND<10	10
72950-11	SP4-14	ND<10	10
72950-12	SP4-15	ND<10	10
72950-13	SP4-16	10	10
72950-14	SP4-17	16	10
72950-15	SP4-18	ND<10	10
72950-16	SP4-19	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07			Field Logbook No.:			Date: 10/23/91		Serial No.: 7416			
Project Name: Yerba Buena				Project Location: Emeryville							
Sampler (Signature): <i>William Madison</i>						ANALYSES			Samplers: WEM, MJS		
SAMPLES						HOLD			RUSH		
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA-601	EPA-624	9015			REMARKS
SP4-4	10/23/91			1	Soil		X			X	48-HOUR TAT
SP4-5											
SP4-6											
SP4-7											For verbal results
SP4-8											
SP4-9											
SP4-10											
SP4-11											
SP4-12											
SP4-13											
SP4-14											Please Homogenize each sample.
SP4-15											
SP4-16											
SP4-17											
SP4-18											Results to: Victor Kong
SP4-19											
RELINQUISHED BY: <i>Michael Stoll</i>			DATE: 10/23/91	TIME: 14:55	RECEIVED BY: <i>William Madison</i>			DATE: 10/23/91	TIME: 14:55		
RELINQUISHED BY:			DATE:	TIME:	RECEIVED BY:			DATE:	TIME:		
RELINQUISHED BY:			DATE:	TIME:	RECEIVED BY:			DATE:	TIME:		
METHOD OF SHIPMENT:			DATE:	TIME:	LAB COMMENTS:						
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500				Analytical Laboratory: <i>Precision Analytical, Rich.</i>							

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

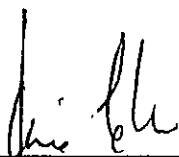
Received: 10/23/91
Reported: 10/31/91
Job #: 72951

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
72951-1	SP4-20	ND<50	50
72951-2	SP4-21	71	50
72951-3	SP4-22	ND<50	50
72951-4	SP4-23	ND<50	50
72951-5	SP4-24	ND<50	50
72951-6	SP4-25	ND<50	50
72951-7	SP4-26	ND<50	50
72951-8	SP4-27	ND<50	50
72951-9	SP4-28	ND<50	50
72951-10	SP4-29	ND<50	50
72951-11	SP4-30	ND<50	50
72951-12	SP4-31	ND<50	50
72951-13	SP4-32	ND<50	50
72951-14	SP4-33	ND<50	50
72951-15	SP4-34	ND<50	50
72951-16	SP4-35	ND<50	50

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/23/91
Reported: 10/31/91
Job #: 72951

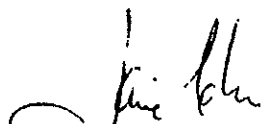
Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72951-1	SP4-20	ND<10	10
72951-2	SP4-21	ND<10	10
72951-3	SP4-22	ND<10	10
72951-4	SP4-23	ND<10	10
72951-5	SP4-24	ND<10	10
72951-6	SP4-25	ND<10	10
72951-7	SP4-26	ND<10	10
72951-8	SP4-27	ND<10	10
72951-9	SP4-28	ND<10	10
72951-10	SP4-29	ND<10	10
72951-11	SP4-30	ND<10	10
72951-12	SP4-31	ND<10	10
72951-13	SP4-32	ND<10	10
72951-14	SP4-33	ND<10	10
72951-15	SP4-34	ND<10	10
72951-16	SP4-35	ND<10	10

QA/QC: Spike Recovery for Gasoline: 68%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/23/91
Reported: 10/31/91
Job #: 72951

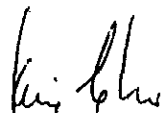
Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
72951-1	SP4-20	ND<10	10
72951-2	SP4-21	ND<10	10
72951-3	SP4-22	ND<10	10
72951-4	SP4-23	ND<10	10
72951-5	SP4-24	ND<10	10
72951-6	SP4-25	ND<10	10
72951-7	SP4-26	ND<10	10
72951-8	SP4-27	ND<10	10
72951-9	SP4-28	ND<10	10
72951-10	SP4-29	ND<10	10
72951-11	SP4-30	ND<10	10
72951-12	SP4-31	ND<10	10
72951-13	SP4-32	ND<10	10
72951-14	SP4-33	ND<10	10
72951-15	SP4-34	ND<10	10
72951-16	SP4-35	ND<10	10

QA/QC: Spike Recovery for Diesel: 86%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07 Field Logbook No.: _____ Date: 10/23/11 Serial No.: 7422
 Project Name: Yerba Buena Project Location: Emeryville

Sampler (Signature): [Signature] ANALYSES
 Samplers: LEE/MJD

DAT

SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	ANALYSES					HOLD	RUSH	REMARKS
						EPA-601	EPA-624	8015					
SP4-20	10/23/11			1	soil						X		48-HOUR TAT
SP4-21				1									
SP4-22													For Verbal results
SP4-23													
SP4-24													
SP4-25													
SP4-26													
SP4-27													
SP4-28													Please Homogenize each sample
SP4-29													
SP4-30													
SP4-31													
SP4-32													Results to: Victor Kong
SP4-33													
SP4-34													
SP4-35	↓			↓	↓						↓		

RELINQUISHED BY: (Signature) <u>Michael Stoll</u>	DATE <u>10/23/11</u>	TIME <u>11:05</u>	RECEIVED BY: (Signature) <u>[Signature]</u>	DATE <u>10/23/11</u>	TIME <u>2:55 pm</u>
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: LEVINE-FRICKE
 1900 Powell Street, 12th Floor
 Emeryville, Ca 94608
 (415) 652-4500

Analytical Laboratory:
Precision Analytical Rich.

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/23/91
Reported: 10/29/91
Job #: 72952

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
72952-1	SP4-36	ND<50	50
72952-2	SP4-37	73	50
72952-3	SP4-38	60	50
72952-4	SP4-39	70	50
72952-5	SP4-40	ND<50	50
72952-6	SP4-41	ND<50	50
72952-7	SP4-42	ND<50	50
72952-8	SP4-43	80	50
72952-9	SP4-44	60	50
72952-10	SP4-45	70	50
72952-11	SP4-46	ND<50	50
72952-12	SP4-47	ND<50	50
72952-13	SP4-48	60	50
72952-14	SP4-49	ND<50	50
72952-15	SP4-50	60	50

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (415) 222-3002 FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

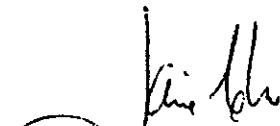
Received: 10/23/91
Reported: 10/29/91
Job #: 72952

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72952-1	SP4-36	ND<10	10
72952-2	SP4-37	ND<10	10
72952-3	SP4-38	ND<10	10
72952-4	SP4-39	ND<10	10
72952-5	SP4-40	ND<10	10
72952-6	SP4-41	ND<10	10
72952-7	SP4-42	ND<10	10
72952-8	SP4-43	ND<10	10
72952-9	SP4-44	ND<10	10
72952-10	SP4-45	ND<10	10
72952-11	SP4-46	ND<10	10
72952-12	SP4-47	ND<10	10
72952-13	SP4-48	ND<10	10
72952-14	SP4-49	ND<10	10
72952-15	SP4-50	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

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FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

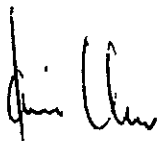
Received: 10/23/91
Reported: 10/29/91
Job #: 72952

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
72952-1	SP4-36	ND<10	10
72952-2	SP4-37	ND<10	10
72952-3	SP4-38	10	10
72952-4	SP4-39	ND<10	10
72952-5	SP4-40	ND<10	10
72952-6	SP4-41	ND<10	10
72952-7	SP4-42	ND<10	10
72952-8	SP4-43	10	10
72952-9	SP4-44	10.5	10
72952-10	SP4-45	ND<10	10
72952-11	SP4-46	ND<10	10
72952-12	SP4-47	ND<10	10
72952-13	SP4-48	10	10
72952-14	SP4-49	ND<10	10
72952-15	SP4-50	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07 Field Logbook No.: Date: 10/23/91 Serial No.: 7423
 Project Name: Yerba Buena Project Location: Emeryville

Sampler (Signature): *Dr. [Signature]*

SAMPLES					ANALYSES					SAMPLERS:		REMARKS
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	EPA-601	EPA-624	8D/5	HOLD	RUSH	WEAN / MJS	
SP4-36	10/23/91			1	Soil		X			X		48-Hour IAT
SP4-37												For var. soil results
SP4-38												
SP4-39												
SP4-40												Please Homogenize
SP4-41												each sample
SP4-42												
SP4-43												
SP4-44												
SP4-45												
SP4-46												
SP4-47												
SP4-48												
SP4-49												
SP4-50												Results to: Victor Kong

RELINQUISHED BY: (Signature) <i>Michael Stall</i>	DATE 10/23/91	TIME 12:03	RECEIVED BY: (Signature) <i>[Signature]</i>	DATE 10/23/91	TIME 12:03
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: Precision Analytical, Rich.				

FILE
1649.07

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

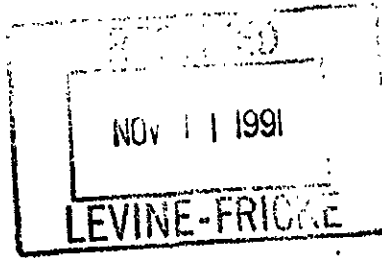
CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/23/91
Reported: 11/07/91
Job #: 72952

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena
Emeryville, CA
Matrix: Soil



Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Lab ID	Client ID	Benzene	MDL	Toluene	MDL
72952-3	SP4-38	ND<0.005	0.005	ND<0.005	0.005

Lab ID	Client ID	Ethyl- benzene	MDL	Xylenes	MDL
72952-3	SP4-38	ND<0.005	0.005	0.010	0.005

QA/QC: Spike Recovery for Benzene: 84%
Spike Recovery for Toluene: 106%
Spike Recovery for Xylene: 104%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: <u>1644.C7</u>	Field Logbook No.:	Date: <u>6/23/04</u>	Serial No.: <u>7423</u>
Project Name: <u>Yerba Buena</u>	Project Location: <u>Emeryville</u>		

205.

SAMPLER (Signature): <u>William Fricke</u>						ANALYSES						SAMPLERS: <u>LEM/MTS</u>			
SAMPLES						EPA-601	EPA-624	SDS	HOLD	RUSH	REMARKS				
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE										
<u>SP-36</u>	<u>6/23/04</u>			<u>1</u>	<u>S-1</u>										<u>SP-36 AT</u>
<u>SP-37</u>															<u>For verification</u>
<u>SP-38</u>															
<u>SP-39</u>															
<u>SP-40</u>															
<u>SP-41</u>															<u>Please Homogenize</u>
<u>SP-42</u>															<u>each sample</u>
<u>SP-43</u>															
<u>SP-44</u>															
<u>SP-45</u>															
<u>SP-46</u>															
<u>SP-47</u>															
<u>SP-48</u>															
<u>SP-49</u>															
<u>SP-50</u>															<u>Results to Victor Kony</u>

RELINQUISHED BY: (Signature) <u>William Fricke</u>	DATE	TIME	RECEIVED BY: (Signature) <u>William Fricke</u>	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: <u>LEVINE-FRICKE</u> 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: <u>Provision Analytical, Rich.</u>
--	---

File
11-49-07

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (415) 222-3002 FAX (415) 222-1251

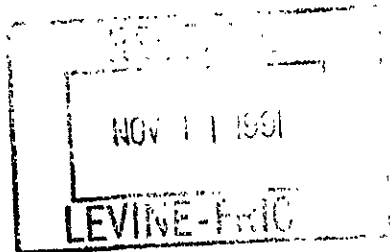
CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/23/91
Reported: 11/07/91
Job #: 72950

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena
Emeryville, CA
Matrix: Soil



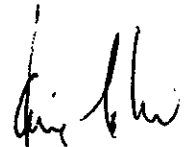
Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Lab ID	Client ID	Benzene	MDL	Toluene	MDL
72950-13	SP4-16	ND<0.005	0.005	ND<0.005	0.005

Lab ID	Client ID	Ethyl-benzene	MDL	Xylenes	MDL
72950-13	SP4-16	ND<0.005	0.005	0.011	0.005

QA/QC: Spike Recovery for Benzene: 84%
Spike Recovery for Toluene: 106%
Spike Recovery for Xylene: 104%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.C7 Field Logbook No.: Date: 10/23/01 Serial No.: 7416

Project Name: Yerkes bridge Project Location: Emeryville

Sampler (Signature): *M. Levine-Fricke*

SAMPLES				ANALYSES								SAMPLERS: ITEM MJS	REMARKS
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	EPA-601	EPA-624	AS	HOLD	RUSH			
SP-4	10/23/01			1	S-1		X					100-100R FAT	
SP-5													
SP-6													
SP-7												Final Results	
SP-8													
SP-9													
SP-10													
SP-11													
SP-12													
SP-13												Phone Message	
SP-14													
SP-15													
SP-16													
SP-17													
SP-18													
SP-19												Letter to Metro...	

RELINQUISHED BY: (Signature) <i>M. Levine-Fricke</i>	DATE: 10/23/01	TIME: 11:55	RECEIVED BY: (Signature) <i>M. Levine-Fricke</i>	DATE: 10/23/01	TIME: 12:00
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: LEVINE-FRICKE
1900 Powell Street, 12th Floor
Emeryville, Ca 94608
(415) 652-4500

Analytical Laboratory:
Praxis Analytical, Rich.

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

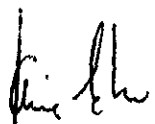
Received: 10/24/91
Reported: 11/01/91
Job #: 72954

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Lab ID	Client ID	Oil	MDL
72954-1	SP20-10	ND<10	10
72954-2	SP20-11	ND<10	10
72954-3	SP20-12	ND<10	10
72954-4	SP20-13	ND<10	10
72954-5	SP20-14	ND<10	10
72954-6	SP20-15	ND<10	10
72954-7	SP20-16	ND<10	10
72954-8	SP20-17	ND<10	10
72954-9	SP20-18	ND<10	10
72954-10	SP20-19	ND<10	10
72954-11	SP20-20	ND<10	10
72954-12	SP20-21	ND<10	10
72954-13	SP20-22	ND<10	10
72954-14	SP20-23	ND<10	10
72954-15	SP20-24	ND<10	10
72954-16	SP20-25	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

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STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/24/91
Reported: 11/01/91
Job #: 72954

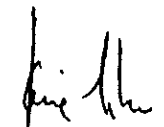
Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72954-1	SP20-10	ND<10	10
72954-2	SP20-11	ND<10	10
72954-3	SP20-12	ND<10	10
72954-4	SP20-13	ND<10	10
72954-5	SP20-14	ND<10	10
72954-6	SP20-15	ND<10	10
72954-7	SP20-16	ND<10	10
72954-8	SP20-17	ND<10	10
72954-9	SP20-18	ND<10	10
72954-10	SP20-19	ND<10	10
72954-11	SP20-20	ND<10	10
72954-12	SP20-21	ND<10	10
72954-13	SP20-22	ND<10	10
72954-14	SP20-23	ND<10	10
72954-15	SP20-24	ND<10	10
72954-16	SP20-25	ND<10	10

QA/QC: Spike Recovery for Gasoline: 78%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

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STATE LICENSE NO. E 750

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Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/24/91
Reported: 11/01/91
Job #: 72954

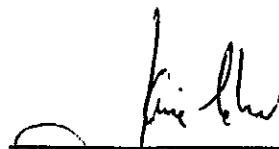
Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
72954-1	SP20-10	ND<10	10
72954-2	SP20-11	ND<10	10
72954-3	SP20-12	ND<10	10
72954-4	SP20-13	ND<10	10
72954-5	SP20-14	ND<10	10
72954-6	SP20-15	ND<10	10
72954-7	SP20-16	ND<10	10
72954-8	SP20-17	ND<10	10
72954-9	SP20-18	ND<10	10
72954-10	SP20-19	ND<10	10
72954-11	SP20-20	ND<10	10
72954-12	SP20-21	ND<10	10
72954-13	SP20-22	ND<10	10
72954-14	SP20-23	ND<10	10
72954-15	SP20-24	ND<10	10
72954-16	SP20-25	ND<10	10

QA/QC: Spike Recovery for Diesel: 93%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07 Field Logbook No.: Date: 10/24/91 Serial No.: 7426
 Project Name: Verba Buena Project Location: Emeryville, CA

SAMPLER (Signature): Michael Stoll						ANALYSES				SAMPLERS: MJS, WEM		
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA 601	EPA 624	8015	HOLD	RUSH	REMARKS	
SP20-10	10/24/91			1	Soil			X			X	Ly - Home T.A.T
SP20-11												
SP20-12												
SP20-13												
SP20-14												Please homogenize
SP20-15												each sample.
SP20-16												
SP20-17												
SP20-18												
SP20-19												
SP20-20												Result to: Victor Kong
SP20-21												
SP20-22												
SP20-23												
SP20-24												
SP20-25												

RELINQUISHED BY: (Signature) <i>[Signature]</i>	DATE: 10/24/91	TIME: 16:35	RECEIVED BY: (Signature) <i>[Signature]</i>	DATE: 10/24/91	TIME: 16:35
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS: !		
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: <i>Precision Analytical, Richmond, CA</i>				

Precision Analytical Laboratory, Inc.

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PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/24/91
Reported: 11/04/91
Job #: 72955

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
72955-1	SP20-26	ND<50	50
72955-2	SP20-27	ND<50	50
72955-3	SP20-28	ND<50	50
72955-4	SP20-29	ND<50	50
72955-5	SP20-30	ND<50	50
72955-6	SP20-31	ND<50	50
72955-7	SP20-32	ND<50	50
72955-8	SP20-33	ND<50	50
72955-9	SP20-34	ND<50	50
72955-10	SP20-35	ND<50	50
72955-11	SP20-36	ND<50	50
72955-12	SP20-37	ND<50	50
72955-13	SP20-38	ND<50	50
72955-14	SP20-39	ND<50	50
72955-15	SP20-40	ND<50	50
72955-16	SP20-41	ND<50	50

QA/QC: Spike Recovery for Oil: 140%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

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PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

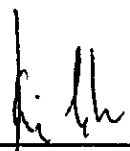
Received: 10/24/91
Reported: 11/04/91
Job #: 72955

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72955-1	SP20-26	ND<10	10
72955-2	SP20-27	ND<10	10
72955-3	SP20-28	ND<10	10
72955-4	SP20-29	ND<10	10
72955-5	SP20-30	ND<10	10
72955-6	SP20-31	ND<10	10
72955-7	SP20-32	ND<10	10
72955-8	SP20-33	ND<10	10
72955-9	SP20-34	ND<10	10
72955-10	SP20-35	ND<10	10
72955-11	SP20-36	ND<10	10
72955-12	SP20-37	ND<10	10
72955-13	SP20-38	ND<10	10
72955-14	SP20-39	ND<10	10
72955-15	SP20-40	ND<10	10
72955-16	SP20-41	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

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Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/24/91
Reported: 11/04/91
Job #: 72955

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
72955-1	SP20-26	ND<10	10
72955-2	SP20-27	ND<10	10
72955-3	SP20-28	ND<10	10
72955-4	SP20-29	ND<10	10
72955-5	SP20-30	ND<10	10
72955-6	SP20-31	ND<10	10
72955-7	SP20-32	ND<10	10
72955-8	SP20-33	ND<10	10
72955-9	SP20-34	ND<10	10
72955-10	SP20-35	ND<10	10
72955-11	SP20-36	ND<10	10
72955-12	SP20-37	ND<10	10
72955-13	SP20-38	ND<10	10
72955-14	SP20-39	ND<10	10
72955-15	SP20-40	ND<10	10
72955-16	SP20-41	ND<10	10

QA/QC: Spike Recovery for Diesel: 97%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07	Field Logbook No.:	Date: 10/24/91	Serial No.: 7427
Project Name: Verba Buena		Project Location: Emeryville, CA	

Sampler (Signature): <i>Michael Stall</i>				ANALYSES								Samplers: MJS, WEM	
SAMPLES				NO. OF CON- TAINERS	SAMPLE TYPE	EPA 601	EPA 624	BOIS	HOLD	RUSH	REMARKS		
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.										
SP20-26	10/24/91			1	Soil		X			X	by # 7A7		
SP20-27													
SP20-28													
SP20-29													
SP20-30											Please homogenize each sample		
SP20-31													
SP20-32													
SP20-33													
SP20-34													
SP20-35													
SP20-36													
SP20-37													
SP20-38											Results to: Victor Kong		
SP20-39													
SP20-40													
SP20-41													

RELINQUISHED BY: (Signature) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (Signature) <i>[Signature]</i>	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: Precision Analytical, Richmond, CA
---	---

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/24/91
Reported: 11/05/91
Job #: 72956

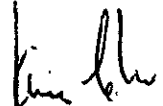
Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
72956-1	SP20-42	ND<50	50
72956-2	SP20-43	ND<50	50
72956-3	SP20-44	ND<50	50
72956-4	SP20-45	ND<50	50
72956-5	SP20-46	ND<50	50
72956-6	SP20-47	ND<50	50
72956-7	SP20-48	ND<50	50
72956-8	SP20-49	ND<50	50
72956-9	SP20-50	ND<50	50
72956-10	SP20-51	ND<50	50
72956-11	SP20-52	ND<50	50
72956-12	SP20-53	ND<50	50
72956-13	SP20-54	ND<50	50
72956-14	SP20-55	ND<50	50
72956-15	SP20-56	ND<50	50
72956-16	SP20-57	ND<50	50

QA/QC: Spike Recovery for Oil: 90%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/24/91
Reported: 11/05/91
Job #: 72956

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72956-1	SP20-42	ND<10	10
72956-2	SP20-43	ND<10	10
72956-3	SP20-44	ND<10	10
72956-4	SP20-45	ND<10	10
72956-5	SP20-46	ND<10	10
72956-6	SP20-47	ND<10	10
72956-7	SP20-48	ND<10	10
72956-8	SP20-49	ND<10	10
72956-9	SP20-50	ND<10	10
72956-10	SP20-51	ND<10	10
72956-11	SP20-52	ND<10	10
72956-12	SP20-53	ND<10	10
72956-13	SP20-54	ND<10	10
72956-14	SP20-55	ND<10	10
72956-15	SP20-56	ND<10	10
72956-16	SP20-57	ND<10	10

QA/QC: Spike Recovery for Gasoline: 84%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

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STATE LICENSE NO. E 750

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1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/24/91
Reported: 11/05/91
Job #: 72956

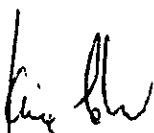
Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
72956-1	SP20-42	ND<10	10
72956-2	SP20-43	ND<10	10
72956-3	SP20-44	ND<10	10
72956-4	SP20-45	ND<10	10
72956-5	SP20-46	ND<10	10
72956-6	SP20-47	ND<10	10
72956-7	SP20-48	ND<10	10
72956-8	SP20-49	ND<10	10
72956-9	SP20-50	ND<10	10
72956-10	SP20-51	ND<10	10
72956-11	SP20-52	ND<10	10
72956-12	SP20-53	ND<10	10
72956-13	SP20-54	ND<10	10
72956-14	SP20-55	ND<10	10
72956-15	SP20-56	ND<10	10
72956-16	SP20-57	ND<10	10

QA/QC: Spike Recovery for Diesel: 105%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07	Field Logbook No.:	Date: 10/24/91	Serial No.: 7428
Project Name: Yerba Buena	Project Location: Emeryville, CA		

Sampler (Signature): <i>Muhammad H. Hall</i>						ANALYSES				Samplers: MJS, WEM		
SAMPLES						EPA 601	EPA 624	8015	HOLD	RUSH	REMARKS	
SAMPLE NO.	DATE	TIME	LAB. SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE							
SP20-42	10/24/91			1	Soil			X			X	Lightly TAT
SP20-43												
SP20-44												
SP20-45												Please Homogenize each sample
SP20-46												
SP20-47												
SP20-48												
SP20-49												
SP20-50												
SP20-51												
SP20-52												
SP20-53												
SP20-54												
SP20-55												Results to: Victor Kong
SP20-56												
SP20-57												

RELINQUISHED BY: (Signature) <i>Muhammad H. Hall</i>	DATE: 10-35	TIME: 2:00 PM	RECEIVED BY: (Signature) <i>Katrina...</i>	DATE: 10/24/91	TIME: 11:35
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: Precision Analytical
---	---

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/24/91
Reported: 11/06/91
Job #: 72957

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
72957-1	SP20-58	305	50
72957-2	SP20-59	280	50
72957-3	SP20-60	ND<50	50
72957-4	SP20-61	86	50
72957-5	SP20-62	ND<50	50
72957-6	SP20-63	91	50
72957-7	SP20-64	ND<50	50
72957-8	SP20-65	ND<50	50
72957-9	SP20-66	83	50
72957-10	SP20-67	300	50
72957-11	SP20-68	57	50
72957-12	SP20-69	150	50
72957-13	SP20-70	90	50
72957-14	SP20-71	ND<50	50
72957-15	SP20-72	110	50
72957-16	SP20-73	83	50

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

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CERTIFICATE OF ANALYSIS

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1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/24/91
Reported: 11/06/91
Job #: 72957

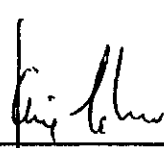
Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72957-1	SP20-58	ND<10	10
72957-2	SP20-59	ND<10	10
72957-3	SP20-60	ND<10	10
72957-4	SP20-61	ND<10	10
72957-5	SP20-62	ND<10	10
72957-6	SP20-63	ND<10	10
72957-7	SP20-64	ND<10	10
72957-8	SP20-65	ND<10	10
72957-9	SP20-66	ND<10	10
72957-10	SP20-67	ND<10	10
72957-11	SP20-68	ND<10	10
72957-12	SP20-69	ND<10	10
72957-13	SP20-70	ND<10	10
72957-14	SP20-71	ND<10	10
72957-15	SP20-72	ND<10	10
72957-16	SP20-73	ND<10	10

QA/QC: Spike Recovery for Gasoline: 84%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/24/91
Reported: 11/06/91
Job #: 72957

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
72957-1	SP20-58	13	10
72957-2	SP20-59	16	10
72957-3	SP20-60	ND<10	10
72957-4	SP20-61	ND<10	10
72957-5	SP20-62	ND<10	10
72957-6	SP20-63	ND<10	10
72957-7	SP20-64	ND<10	10
72957-8	SP20-65	ND<10	10
72957-9	SP20-66	10	10
72957-10	SP20-67	ND<10	10
72957-11	SP20-68	10	10
72957-12	SP20-69	ND<10	10
72957-13	SP20-70	ND<10	10
72957-14	SP20-71	ND<10	10
72957-15	SP20-72	ND<10	10
72957-16	SP20-73	10	10

QA/QC: Spike Recovery for Diesel: 105%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07 Field Logbook No.: Date: 10/24/91 Serial No.:
 Project Name: Yerba Buena Project Location: Emeryville, CA No. 7429

SAMPLER (Signature): Michael [Signature]						ANALYSES				SAMPLERS: MJS, WEM	
SAMPLES						EPA 601	EPA 624	8015	HOLD	RUSH	REMARKS
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE						
SP20-58	10/24/91			1	Soil		X			X	
SP20-59											
SP20-60											
SP20-61											Please Homogenize each sample
SP20-62											
SP20-63											
SP20-64											
SP20-65											
SP20-66											
SP20-67											
SP20-68											
SP20-69											
SP20-70											Results in Victor Kony
SP20-71											
SP20-72											
SP20-73											

RELINQUISHED BY: [Signature]	DATE: 10/24/91	TIME: 16:35	RECEIVED BY: [Signature]	DATE: 10/24/91	TIME: 16:35
RELINQUISHED BY: [Signature]	DATE:	TIME:	RECEIVED BY: [Signature]	DATE:	TIME:
RELINQUISHED BY: [Signature]	DATE:	TIME:	RECEIVED BY: [Signature]	DATE:	TIME:
METHOD OF SHIPMENT:	DATE:	TIME:	LAB COMMENTS:		
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: Precision Analytical				

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/24/91
Reported: 11/08/91
Job #: 72959

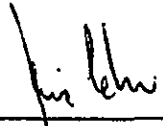
Project: Yerba Buena
Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
72959-1	SP20-90	94	50
72959-2	SP20-91	ND<50	50
72959-3	SP20-92	ND<50	50
72959-4	SP20-93	ND<50	50
72959-5	SP20-94	ND<50	50
72959-6	SP20-95	229	50
72959-7	SP20-96	93	50
72959-8	SP20-97	90	50
72959-9	SP20-98	140	50
72959-10	SP20-99	71	50
72959-11	SP20-100	60	50
72959-12	SP20-101	ND<50	50
72959-13	SP20-102	86	50
72959-14	SP20-103	51	50
72959-15	SP20-104	ND<50	50
72959-16	SP20-105	ND<50	50

QA/QC: Spike Recovery for Oil: 75%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (415) 222-3002 FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

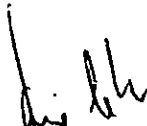
Received: 10/24/91
Reported: 11/08/91
Job #: 72959

Project: Yerba Buena
Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72959-1	SP20-90	ND<10	10
72959-2	SP20-91	ND<10	10
72959-3	SP20-92	ND<10	10
72959-4	SP20-93	ND<10	10
72959-5	SP20-94	ND<10	10
72959-6	SP20-95	ND<10	10
72959-7	SP20-96	ND<10	10
72959-8	SP20-97	ND<10	10
72959-9	SP20-98	ND<10	10
72959-10	SP20-99	ND<10	10
72959-11	SP20-100	ND<10	10
72959-12	SP20-101	ND<10	10
72959-13	SP20-102	ND<10	10
72959-14	SP20-103	ND<10	10
72959-15	SP20-104	ND<10	10
72959-16	SP20-105	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/24/91
Reported: 11/08/91
Job #: 72959

Project: Yerba Buena
Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
72959-1	SP20-90	ND<10	10
72959-2	SP20-91	15	10
72959-3	SP20-92	15.6	10
72959-4	SP20-93	ND<10	10
72959-5	SP20-94	12	10
72959-6	SP20-95	15.9	10
72959-7	SP20-96	19	10
72959-8	SP20-97	11	10
72959-9	SP20-98	ND<10	10
72959-10	SP20-99	ND<10	10
72959-11	SP20-100	ND<10	10
72959-12	SP20-101	ND<10	10
72959-13	SP20-102	11	10
72959-14	SP20-103	ND<10	10
72959-15	SP20-104	ND<10	10
72959-16	SP20-105	ND<10	10

QA/QC: Spike Recovery for Diesel: 112%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07	Field Logbook No.:	Date: 10/24/91	Serial No.: 7431
Project Name: Yerba Buena	Project Location: Emeryville, CA		

SAMPLER (Signature): <i>Medina Stoll</i>						ANALYSES						SAMPLERS: MJS, WEM	
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA 601	EPA 624	8015	HOLD	RUSH	REMARKS		
SP20-90	10/24/91			1	Soil			X			X	48 h. TAT	
SP20-91	↓			↓	↓			↓			↓		
SP20-92													
SP20-93													
SP20-94													
SP20-95													
SP20-96													
SP20-97													
SP20-98													
SP20-99													
SP20-100													
SP20-101													
SP20-102													
SP20-103													
SP20-104													
SP20-105													

RELINQUISHED BY: (Signature) <i>William Gordon</i>	DATE: 10/24/91	TIME: 16:35	RECEIVED BY: (Signature) <i>Kulwinder Kalia</i>	DATE: 10/24/91	TIME: 16:35
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: Precision Analytical
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F115
1649.07

Precision Analytical Laboratory, Inc.

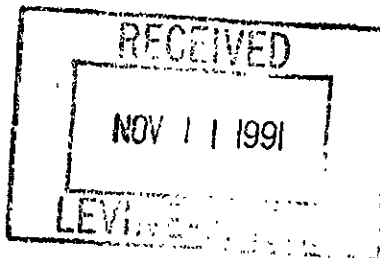
4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (415) 222-3002 FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/24/91
Reported: 11/07/91
Job #: 72956

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608



Project: Yerba Buena
Emeryville, CA
Matrix: Soil

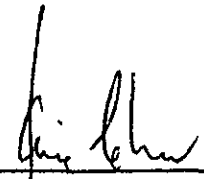
Aromatic Volatile Hydrocarbon Analysis EPA Method 8020 mg/Kg

Lab ID	Client ID	Benzene	MDL	Toluene	MDL
72956-2	SP20-43	ND<0.005	0.005	ND<0.005	0.005

Lab ID	Client ID	Ethyl-benzene	MDL	Xylenes	MDL
72956-2	SP20-43	ND<0.005	0.005	0.006	0.005

QA/QC: Spike Recovery for Benzene: 84%
Spike Recovery for Toluene: 106%
Spike Recovery for Xylene: 104%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07	Field Logbook No.:	Date: 10/24/01	Serial No.: 7428
Project Name: Yerba Buena	Project Location: Emeryville, CA		

SAMPLES						ANALYSES						SAMPLERS:	
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA 801	EPA 824	SCIS	HOLD	RUSH	MJS, WEM		
											REMARKS		
SP20-42	10/24/01			1	Soil							10-42-TAT	
SP20-43													
SP20-44												Please Homogenize each sample	
SP20-45													
SP20-46													
SP20-47													
SP20-48													
SP20-49													
SP20-50													
SP20-51													
SP20-52													
SP20-53												Results to Victor Henry	
SP20-54													
SP20-55													
SP20-56													
SP20-57													

RELINQUISHED BY: (Signature) <i>[Signature]</i>	DATE: 10/24/01	TIME: 10:45 AM	RECEIVED BY: (Signature) <i>[Signature]</i>	DATE: 10/24/01	TIME: 11:00 AM
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500			Analytical Laboratory: <i>Precision Analytical</i>		

FILE
1649.07

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (415) 222-3002 FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/24/91
Reported: 11/07/91
Job #: 72955

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

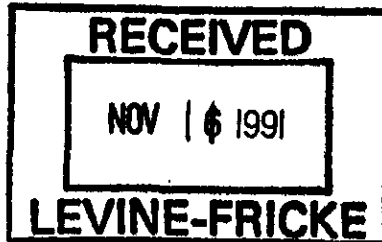
Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Lab ID	Client ID	Benzene	MDL	Toluene	MDL
72955-2	SP20-27	ND<0.005	0.005	ND<0.005	0.005

Lab ID	Client ID	Ethyl- benzene	MDL	Xylenes	MDL
72955-2	SP20-27	ND<0.005	0.005	0.011	0.005

QA/QC: Spike Recovery for Benzene: 84%
Spike Recovery for Toluene: 106%
Spike Recovery for Xylene: 104%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 164907	Field Logbook No.:	Date: 10/24/91	Serial No.: 7427
Project Name: Yerba Buena	Project Location: Emeryville, CA		

SAMPLES						ANALYSES						SAMPLERS: MJS, WEM				
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA 601	EPA 624	PCIS					HOLD	RUSH	REMARKS	
SP2-26	10/29/91			1	Soil										X	48-A-7A7
SP2-27																
SP2-28																
SP2-29																
SP2-30																
SP2-31																
SP2-32																
SP2-33																
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SP2-98																
SP2-99																
SP2-100																

RELINQUISHED BY: (Signature) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (Signature) <i>[Signature]</i>	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		
Sample Collector:	LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500			Analytical Laboratory: Precision Analytical, Richmond, CA	

FILE
1649.0

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

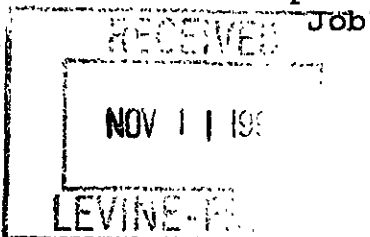
FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/24/91
Reported: 11/07/91
Job #: 72958



Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Lab ID	Client ID	Oil	MDL
72958-1	SP20-74	115	50
72958-2	SP20-75	50	50
72958-3	SP20-76	84	50
72958-4	SP20-77	ND<50	50
72958-5	SP20-78	67	50
72958-6	SP20-79	50	50
72958-7	SP20-80	130	50
72958-8	SP20-81	ND<50	50
72958-9	SP20-82	ND<50	50
72958-10	SP20-83	70	50
72958-11	SP20-84	210	50
72958-12	SP20-85	120	50
72958-13	SP20-86	100	50
72958-14	SP20-87	56	50
72958-15	SP20-88	225	50
72958-16	SP20-89	90	50

QA/QC: Spike Recovery for Oil: 100%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

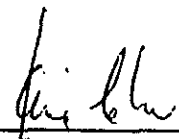
Received: 10/24/91
Reported: 11/07/91
Job #: 72958

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72958-1	SP20-74	ND<10	10
72958-2	SP20-75	ND<10	10
72958-3	SP20-76	ND<10	10
72958-4	SP20-77	ND<10	10
72958-5	SP20-78	ND<10	10
72958-6	SP20-79	ND<10	10
72958-7	SP20-80	ND<10	10
72958-8	SP20-81	ND<10	10
72958-9	SP20-82	ND<10	10
72958-10	SP20-83	ND<10	10
72958-11	SP20-84	ND<10	10
72958-12	SP20-85	ND<10	10
72958-13	SP20-86	ND<10	10
72958-14	SP20-87	ND<10	10
72958-15	SP20-88	ND<10	10
72958-16	SP20-89	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/24/91
Reported: 11/07/91
Job #: 72958


Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
72958-1	SP20-74	ND<10	10
72958-2	SP20-75	ND<10	10
72958-3	SP20-76	ND<10	10
72958-4	SP20-77	ND<10	10
72958-5	SP20-78	ND<10	10
72958-6	SP20-79	ND<10	10
72958-7	SP20-80	ND<10	10
72958-8	SP20-81	ND<10	10
72958-9	SP20-82	19	10
72958-10	SP20-83	ND<10	10
72958-11	SP20-84	16	10
72958-12	SP20-85	16	10
72958-13	SP20-86	ND<10	10
72958-14	SP20-87	ND<10	10
72958-15	SP20-88	ND<10	10
72958-16	SP20-89	ND<10	10

QA/QC: Spike Recovery for Diesel: 95%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07	Field Logbook No.:	Date: 1/22/91	Serial No.: 7430
Project Name: Yerba Buena	Project Location: Emeryville, CA		

SAMPLER (Signature): <i>Michael Stoll</i>					ANALYSES					SAMPLERS: MJD MEM		
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	SAMPLER					REMARKS	
						EPA 601	EPA 624	PCIS	HOLD	RUSH		
SP-74	10/24/91			1	Soil			✓				40% H ₂ O TAT
SP-75												
SP-76												
SP-77												Please Homogenize each sample
SP-78												
SP-79												
SP-80												
SP-81												
SP-82												
SP-83												
SP-84												
SP-85												
SP-86												Results to Victor Tony
SP-87												
SP-88												

RELINQUISHED BY: (Signature) <i>Michael Stoll</i>	DATE: 1/22/91	TIME: 11:55	RECEIVED BY: (Signature) <i>Katherine Fisher</i>	DATE: 10/26/91	TIME: 16:35
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: Precision Analytical
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File
1649.07

Precision Analytical Laboratory, Inc.

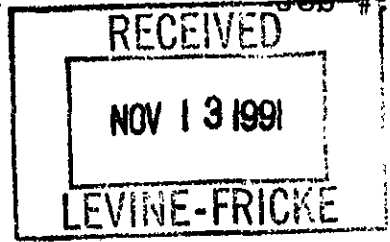
4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (415) 222-3002 FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/24/91
Reported: 11/12/91
Job #: 72960



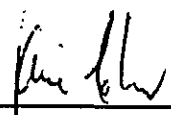
Project: Yerba Buena
Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
72960-1	SP20-106	56	50
72960-2	SP20-107	ND<50	50
72960-3	SP20-108	84	50
72960-4	SP20-109	ND<50	50
72960-5	SP20-110	90	50
72960-6	SP20-111	ND<50	50
72960-7	SP20-112	ND<50	50
72960-8	SP20-113	ND<50	50
72960-9	SP20-114	68	50
72960-10	SP20-115	ND<50	50
72960-11	SP20-116	ND<50	50
72960-12	SP20-117	174	50
72960-13	SP20-118	ND<50	50
72960-14	SP20-119	131	50
72960-15	SP20-120	ND<50	50
72960-16	SP20-121	ND<50	50

QA/QC: Spike Recovery for Oil: 75%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

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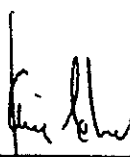
Received: 10/24/91
Reported: 11/12/91
Job #: 72960

Project: Yerba Buena
Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72960-1	SP20-106	ND<10	10
72960-2	SP20-107	ND<10	10
72960-3	SP20-108	ND<10	10
72960-4	SP20-109	ND<10	10
72960-5	SP20-110	ND<10	10
72960-6	SP20-111	ND<10	10
72960-7	SP20-112	ND<10	10
72960-8	SP20-113	ND<10	10
72960-9	SP20-114	ND<10	10
72960-10	SP20-115	ND<10	10
72960-11	SP20-116	ND<10	10
72960-12	SP20-117	ND<10	10
72960-13	SP20-118	ND<10	10
72960-14	SP20-119	ND<10	10
72960-15	SP20-120	ND<10	10
72960-16	SP20-121	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/24/91

Reported: 11/12/91

Job #: 72960

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena
Emeryville

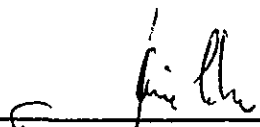
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
72960-1	SP20-106	ND<10	10
72960-2	SP20-107	ND<10	10
72960-3	SP20-108	13	10
72960-4	SP20-109	ND<10	10
72960-5	SP20-110	ND<10	10
72960-6	SP20-111	ND<10	10
72960-7	SP20-112	ND<10	10
72960-8	SP20-113	ND<10	10
72960-9	SP20-114	13.6	10
72960-10	SP20-115	ND<10	10
72960-11	SP20-116	ND<10	10
72960-12	SP20-117	12.7	10
72960-13	SP20-118	ND<10	10
72960-14	SP20-119	10	10
72960-15	SP20-120	ND<10	10
72960-16	SP20-121	ND<10	10

QA/QC: Spike Recovery for Diesel: 112%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07 Field Logbook No.: _____ Date: 10/24/91 Serial No.: 7432
 Project Name: Perho Brien Project Location: Emeryville

Sampler (Signature): William Graham ANALYSES
 Samplers: WEG, MBS

SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	ANALYSES					HOLD	RUSH	REMARKS
						EPA 801	EPA 824	SO15					
SP20-106	10/24/91			1	Soil								48-Hour TAT
SP20-107													
SP20-108													
SP20-109													Please Homogenize each sample
SP20-110													
SP20-111													
SP20-112													
SP20-113													
SP20-114													
SP20-115													
SP20-116													
SP20-117													Results to: Victor Kony
SP20-118													
SP20-119													
SP20-120													
SP20-121													

RELINQUISHED BY: (Signature) <u>William Graham</u>	DATE <u>10/24/91</u>	TIME <u>16:35</u>	RECEIVED BY: (Signature) <u>Kulwinder Sidhu</u>	DATE <u>10/24/91</u>	TIME <u>16:35</u>
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: LEVINE-FRICKE
 1900 Powell Street, 12th Floor
 Emeryville, Ca 94608
 (415) 652-4500

Analytical Laboratory: Precision Analytical

File
11649.07

Precision Analytical Laboratory, Inc.

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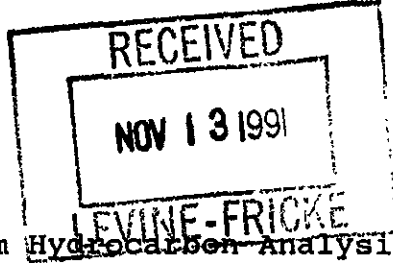
CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/24/91
Reported: 11/11/91
Job #: 72961

Project: Yerba Buena
Emeryville, CA
Matrix: Soil



Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Lab ID	Client ID	Gasoline	MDL
72961-1	SP20-122	ND<10	10
72961-2	SP20-123	ND<10	10
72961-3	SP20-124	ND<10	10
72961-4	SP20-125	ND<10	10
72961-5	SP20-126	ND<10	10
72961-6	SP20-127	ND<10	10
72961-7	SP20-128	ND<10	10
72961-8	SP20-129	ND<10	10
72961-9	SP20-130	ND<10	10
72961-10	SP20-131	ND<10	10
72961-11	SP20-132	ND<10	10
72961-12	SP20-133	ND<10	10
72961-13	SP20-134	ND<10	10
72961-14	SP20-135	ND<10	10
72961-15	SP12-2	ND<10	10
72961-16	SP12-3	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/24/91
Reported: 11/11/91
Job #: 72961

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
72961-1	SP20-122	ND<10	10
72961-2	SP20-123	ND<10	10
72961-3	SP20-124	ND<10	10
72961-4	SP20-125	ND<10	10
72961-5	SP20-126	12	10
72961-6	SP20-127	ND<10	10
72961-7	SP20-128	ND<10	10
72961-8	SP20-129	ND<10	10
72961-9	SP20-130	ND<10	10
72961-10	SP20-131	ND<10	10
72961-11	SP20-132	ND<10	10
72961-12	SP20-133	65	10
72961-13	SP20-134	ND<10	10
72961-14	SP20-135	ND<10	10
72961-15	SP12-2	72	10
72961-16	SP12-3	53	10

QA/QC: Spike Recovery for Diesel: 105%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

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Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/24/91
Reported: 11/11/91
Job #: 72961

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Oil, MDL. Rows 1-16 showing analysis results for various samples.

QA/QC: Spike Recovery for Oil: 75%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07	Field Logbook No.:	Date: 10/24/01	Serial No.: 7425
Project Name: Yerba Buena	Project Location: Emeryville, CA		

Sampler (Signature): <i>Michael Hill</i>						ANALYSES						Samplers: MJS / WEM		
SAMPLES														
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA-604	EPA-624	EC15				HOLD	RUSH	REMARKS
SP2C-122	10/24/01			1	Soil							X		
SP2C-123														
SP2C-124														49 hr TAT
SP2C-125														
SP2C-126														
SP2C-127														
SP2C-128														Please Homogenize each sample
SP2C-129														
SP2C-130														
SP2C-131														
SP2C-132														
SP2C-133														
SP2C-134														
SP2C-135														Results to Victor Kong
SP2C-2	10/23/01													
SP2C-3	10/23/01													

RELINQUISHED BY: (Signature) <i>William Mascher</i>	DATE: 10/24/01	TIME: 10:35	RECEIVED BY: (Signature) <i>Katherine Johnson</i>	DATE: 10/24/01	TIME: 10:35
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: <i>Precision Analytical</i>
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File
1649.07

Precision Analytical Laboratory, Inc.

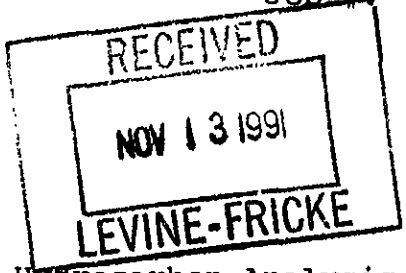
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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/24/91
Reported: 11/11/91
Job #: 72962



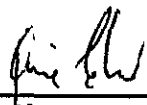
Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
72962-1	SP12-4	231	10
72962-2	SP12-5	89	10
72962-3	SP12-6	1,430	10
72962-4	SP12-7	96.6	10
72962-5	SP18-2	239	10

QA/QC: Spike Recovery for Oil: 93%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608


Received: 10/24/91
Reported: 11/11/91
Job #: 72962

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72962-1	SP12-4	ND<10	10
72962-2	SP12-5	ND<10	10
72962-3	SP12-6	ND<10	10
72962-4	SP12-7	ND<10	10
72962-5	SP18-2	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

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STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/24/91
Reported: 11/11/91
Job #: 72962

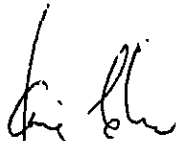
Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
72962-1	SP12-4	43.5	10
72962-2	SP12-5	22.9	10
72962-3	SP12-6	2,000	10
72962-4	SP12-7	36.9	10
72962-5	SP18-2	37.2	10

QA/QC: Spike Recovery for Diesel: 78%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07	Field Logbook No.:	Date: 10/29/01	Serial No.: 7434
Project Name: Yerba Buena	Project Location: Emeryville CA		

SAMPLER (Signature): <i>Michael Scott</i>						ANALYSES					SAMPLERS: MDS, WEM		
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA-801- EPA-824- PCB'S					HOLD	RUSH	REMARKS
SP12-4	10/29/01			1	Soil						X		
SP12-5													48 hr TAT
SP12-6													
SP12-6													
SP12-7													
SP12-8													Please Homogenize each sample
													Results to: Victor King

RELINQUISHED BY: (Signature) <i>Michael Scott</i>	DATE: 10/29/01	TIME: 16:55	RECEIVED BY: (Signature) <i>Victor King</i>	DATE: 10/29/01	TIME: 16:55
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500			Analytical Laboratory: <i>Precision Analytical</i>		

Precision Analytical Laboratory, Inc.

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/24/91
Reported: 12/06/91
Job #: 72962

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

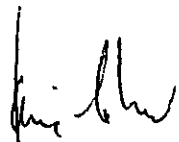
Project: Verba Buena
Emeryville, CA
Matrix: Soil

Total Oil & Grease
EPA Method 9071
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil & Grease</u>	<u>MDL</u>
72962-3	SP12-6	16,300	50

QA/QC: Spike Recovery: 94%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

FILE
1649.07

Precision Analytical Laboratory, Inc.

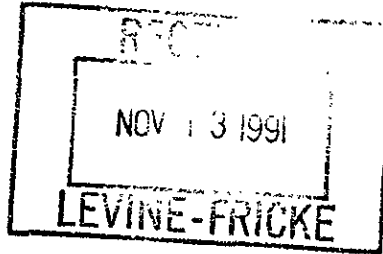
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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/25/91
Reported: 11/12/91
Job #: 72965

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608



Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
72965-5	SP16-31	ND<0.005	0.005	ND<0.005	0.005

<u>Lab ID</u>	<u>Client ID</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
72965-5	SP16-31	ND<0.005	0.005	0.007	0.005

QA/QC: Spike Recovery for Benzene: 84%
Spike Recovery for Toluene: 106%
Spike Recovery for Xylene: 104%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/25/91
Reported: 11/12/91
Job #: 72965

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena
Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
72965-1	SP16-27	ND<50	50
72965-2	SP16-28	ND<50	50
72965-3	SP16-29	245	50
72965-4	SP16-30	68	50
72965-5	SP16-31	71	50
72965-6	SP16-32	ND<50	50
72965-7	SP16-33	ND<50	50
72965-8	SP16-34	190	50
72965-9	SP16-35	ND<50	50
72965-10	SP16-36	ND<50	50
72965-11	SP16-37	ND<50	50
72965-12	SP16-38	ND<50	50
72965-13	SP16-39	102	50
72965-14	SP16-40	ND<50	50
72965-15	SP16-41	ND<50	50
72965-16	SP16-42	ND<50	50

QA/QC: Spike Recovery for Oil: 94%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/25/91
Reported: 11/12/91
Job #: 72965

Project: Yerba Buena
Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72965-1	SP16-27	ND<10	10
72965-2	SP16-28	ND<10	10
72965-3	SP16-29	ND<10	10
72965-4	SP16-30	ND<10	10
72965-5	SP16-31	ND<10	10
72965-6	SP16-32	ND<10	10
72965-7	SP16-33	ND<10	10
72965-8	SP16-34	ND<10	10
72965-9	SP16-35	ND<10	10
72965-10	SP16-36	ND<10	10
72965-11	SP16-37	ND<10	10
72965-12	SP16-38	ND<10	10
72965-13	SP16-39	ND<10	10
72965-14	SP16-40	ND<10	10
72965-15	SP16-41	ND<10	10
72965-16	SP16-42	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/25/91

Reported: 11/12/91

Job #: 72965

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena
Emeryville

Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
72965-1	SP16-27	ND<10	10
72965-2	SP16-28	ND<10	10
72965-3	SP16-29	ND<10	10
72965-4	SP16-30	ND<10	10
72965-5	SP16-31	ND<10	10
72965-6	SP16-32	ND<10	10
72965-7	SP16-33	ND<10	10
72965-8	SP16-34	11.8	10
72965-9	SP16-35	ND<10	10
72965-10	SP16-36	ND<10	10
72965-11	SP16-37	ND<10	10
72965-12	SP16-38	ND<10	10
72965-13	SP16-39	ND<10	10
72965-14	SP16-40	ND<10	10
72965-15	SP16-41	ND<10	10
72965-16	SP16-42	ND<10	10

QA/QC: Spike Recovery for Diesel: 78%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

72455

Project No.: <u>1649.07</u>	Field Logbook No.:	Date: <u>10/25/91</u>	Serial No.: 7448
Project Name: <u>Verba Buena</u>	Project Location: <u>Emeryville, CA</u>		

SAMPLER (Signature) : <u>Michael Smith</u>					ANALYSES							SAMPLERS: <u>MJS/WEM</u>						
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	SAMPLER							REMARKS					
						EPA 601	EPA 624	3015				HOLD		RUSH				
SP16-27				1	Soil													
SP16-28																		Rush 24-hr TAT
SP16-29																		
SP16-30																		Please Homogenize each sample
SP16-31																		
SP16-32																		
SP16-33																		
SP16-34																		
SP16-35																		
SP16-36																		
SP16-37																		
SP16-38																		Results to: Victor Kang
SP16-39																		
SP16-40																		
SP16-41																		
SP16-42																		

RELINQUISHED BY: (Signature) <u>[Signature]</u>	DATE	TIME	RECEIVED BY: (Signature) <u>[Signature]</u>	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: Precision Analytical
---	---

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/25/91

Reported: 12/06/91

Job #: 72965

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

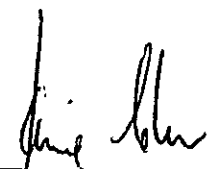
Project: Verba Buena
Emeryville, CA
Matrix: Soil

Total Oil & Grease
EPA Method 9071
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil & Grease</u>	<u>MDL</u>
72965-3	SP16-29	5,680	50

QA/QC: Spike Recovery: 94%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY

FILE
1649.07

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

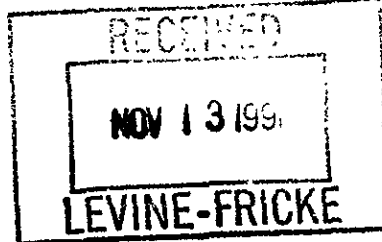
FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/25/91
Reported: 11/11/91
Job #: 72964



Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Lab ID	Client ID	Oil	MDL
72964-1	SP16-11	ND<50	50
72964-2	SP16-12	ND<50	50
72964-3	SP16-13	ND<50	50
72964-4	SP16-14	ND<50	50
72964-5	SP16-15	ND<50	50
72964-6	SP16-16	537	50
72964-7	SP16-17	73	50
72964-8	SP16-18	ND<50	50
72964-9	SP16-19	65	50
72964-10	SP16-20	ND<50	50
72964-11	SP16-21	119	50
72964-12	SP16-22	ND<50	50
72964-13	SP16-23	116	50
72964-14	SP16-24	54	50
72964-15	SP16-25	ND<50	50
72964-16	SP16-26	ND<50	50

QA/QC: Spike Recovery for Oil: 93%

MDL: Method Detection Limit. Compound below this level would not be detected;

Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002 FAX (415) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

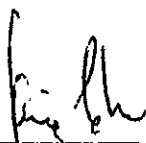
Received: 10/25/91
Reported: 11/11/91
Job #: 72964

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72964-1	SP16-11	ND<10	10
72964-2	SP16-12	ND<10	10
72964-3	SP16-13	ND<10	10
72964-4	SP16-14	ND<10	10
72964-5	SP16-15	ND<10	10
72964-6	SP16-16	ND<10	10
72964-7	SP16-17	ND<10	10
72964-8	SP16-18	ND<10	10
72964-9	SP16-19	ND<10	10
72964-10	SP16-20	ND<10	10
72964-11	SP16-21	ND<10	10
72964-12	SP16-22	ND<10	10
72964-13	SP16-23	ND<10	10
72964-14	SP16-24	ND<10	10
72964-15	SP16-25	ND<10	10
72964-16	SP16-26	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/25/91
Reported: 11/11/91
Job #: 72964

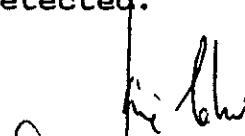
Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
72964-1	SP16-11	ND<10	10
72964-2	SP16-12	ND<10	10
72964-3	SP16-13	ND<10	10
72964-4	SP16-14	ND<10	10
72964-5	SP16-15	ND<10	10
72964-6	SP16-16	40	10
72964-7	SP16-17	ND<10	10
72964-8	SP16-18	ND<10	10
72964-9	SP16-19	ND<10	10
72964-10	SP16-20	ND<10	10
72964-11	SP16-21	ND<10	10
72964-12	SP16-22	ND<10	10
72964-13	SP16-23	ND<10	10
72964-14	SP16-24	ND<10	10
72964-15	SP16-25	ND<10	10
72964-16	SP16-26	ND<10	10

QA/QC: Spike Recovery for Diesel: 78%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

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4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (415) 222-3002

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 10/25/91

Reported: 11/11/91

Job #: 72964

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena
Emeryville, CA
Matrix: Soil


Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
72964-2	SP16-12	ND<0.005	0.005	0.008	0.005

<u>Lab ID</u>	<u>Client ID</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
72964-2	SP16-12	ND<0.005	0.005	0.016	0.005

QA/QC: Spike Recovery for Benzene: 84%
Spike Recovery for Toluene: 106%
Spike Recovery for Xylene: 104%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

72664

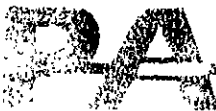
Project No.: 1649.07	Field Logbook No.:	Date: 10/25/91	Serial No.: 7447
Project Name: Yerba Buena	Project Location: Emeryville, CA		

Sampler (Signature): <i>Michael Hill</i>						ANALYSES				Samplers: MJS / WEM		
SAMPLES						EPA 601	EPA 624	EC15	HOLD	RUSH	REMARKS	
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE							
SP16-11	10/25/91			1	Soil			X		X		
SP16-12	}										Rush 48-hr TAT	
SP16-13												
SP16-14											Please Homogenize each sample	
SP16-15												
SP16-16												
SP16-17												
SP16-18												
SP16-19												
SP16-20												
SP16-21												
SP16-22												
SP16-23											Results to: Victor Kong	
SP16-24												
SP16-25												
SP16-26								X		X		

RELINQUISHED BY: (Signature) <i>Michael Hill</i>	DATE: 10/25/91	TIME: 18:00	RECEIVED BY: (Signature) <i>Kurt...</i>	DATE: 10/25/91	TIME: 18:00
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: Precision Analytical, Richmond, CA
---	---

File
12-14-97



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

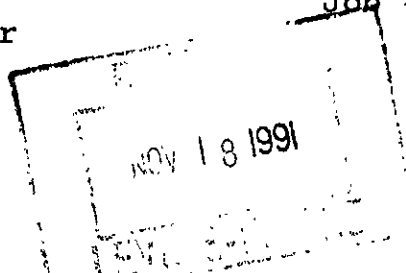
CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/25/91
Reported: 11/14/91
Job #: 72966

Project: Yerba Buena
Emeryville, CA
Matrix: Soil



Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
72966-1	SP16-43	51	50
72966-2	SP16-44	ND<50	50
72966-3	SP16-45	ND<50	50
72966-4	SP16-46	ND<50	50
72966-5	SP16-47	ND<50	50
72966-6	SP16-48	ND<50	50
72966-7	SP16-49	ND<50	50
72966-8	SP16-50	ND<50	50
72966-9	SP22-3	ND<50	50
72966-10	SP22-4	112	50
72966-11	SP22-5	ND<50	50
72966-12	SP13-2	ND<50	50
72966-13	SP13-3	ND<50	50
72966-14	SP13-4	93	50

QA/QC: Spike Recovery for Oil: 85%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608


Received: 10/25/91
Reported: 11/14/91
Job #: 72966

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72966-1	SP16-43	ND<10	10
72966-2	SP16-44	ND<10	10
72966-3	SP16-45	ND<10	10
72966-4	SP16-46	ND<10	10
72966-5	SP16-47	ND<10	10
72966-6	SP16-48	ND<10	10
72966-7	SP16-49	ND<10	10
72966-8	SP16-50	45	10
72966-9	SP22-3	ND<10	10
72966-10	SP22-4	ND<10	10
72966-11	SP22-5	ND<10	10
72966-12	SP13-2	ND<10	10
72966-13	SP13-3	ND<10	10
72966-14	SP13-4	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/25/91
Reported: 11/14/91
Job #: 72966

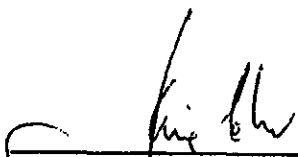
Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
72966-1	SP16-43	ND<10	10
72966-2	SP16-44	ND<10	10
72966-3	SP16-45	ND<10	10
72966-4	SP16-46	ND<10	10
72966-5	SP16-47	ND<10	10
72966-6	SP16-48	ND<10	10
72966-7	SP16-49	ND<10	10
72966-8	SP16-50	ND<10	10
72966-9	SP22-3	ND<10	10
72966-10	SP22-4	14	10
72966-11	SP22-5	ND<10	10
72966-12	SP13-2	ND<10	10
72966-13	SP13-3	ND<10	10
72966-14	SP13-4	ND<10	10

QA/QC: Spike Recovery for Diesel: 108%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY - ANALYSES REQUEST FORM

Project No. <u>1749</u>	Field Logbook No. _____	Date <u>10/25/91</u>	Serial No. <u>2266</u>
Project Name <u>Asbestos</u>	Project Location <u>Emeryville, CA</u>		

SAMPLES				ANALYSES								REMARKS	
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	EPA 801	EPA 802	8015			HOLD	RUSH	REMARKS
SP16-43	10/25/91				Soil		X					X	
SP16-44													
SP16-45													
SP16-46													
SP16-47													
SP16-48													
SP16-49													
SP16-50				X	X		X				X		
SP16-51													
SP16-52													
SP22-3	10/25/91			1	Soil		X					X	
SP22-4													
SP22-5													
SP13-2													
SP13-3													
SP13-4				X	X		X				X		Results to: Victor Kong

RELINQUISHED BY: (Signature) <u>[Signature]</u>	DATE <u>10/25/91</u>	TIME <u>18:00</u>	RECEIVED BY: (Signature) <u>Kalavinder Sidhu</u>	DATE <u>10/25/91</u>	TIME <u>18:00</u>
RELINQUISHED BY: (Signature) _____	DATE _____	TIME _____	RECEIVED BY: (Signature) _____	DATE _____	TIME _____
RELINQUISHED BY: (Signature) _____	DATE _____	TIME _____	RECEIVED BY: (Signature) _____	DATE _____	TIME _____
METHOD OF SHIPMENT: _____	DATE _____	TIME _____	LAB COMMENTS: _____		

Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: <u>Precision Analytical</u>
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File
16-19.07

Precision Analytical Laboratory, Inc.

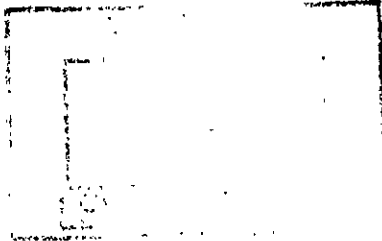
4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (510) 222-3002 FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/25/91
Reported: 11/14/91
Job #: 72967



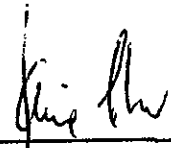
Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

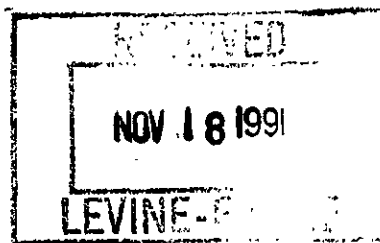
<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
72967-1	SP13-5	113	50
72967-2	SP13-6	77	50
72967-3	SP13-7	134	50
72967-4	SP13-8	70	50
72967-5	SP13-9	ND<50	50
72967-6	SP13-10	ND<50	50
72967-7	SP13-11	ND<50	50
72967-8	SP13-12	104	50
72967-9	SP13-13	56	50
72967-10	SP13-14	185	50
72967-11	SP13-15	237	50
72967-12	SP13-16	ND<50	50

QA/QC: Spike Recovery for Oil: 85%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director



JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 10/25/91
Reported: 11/14/91
Job #: 72967

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
72967-1	SP13-5	13	10
72967-2	SP13-6	ND<10	10
72967-3	SP13-7	13.5	10
72967-4	SP13-8	ND<10	10
72967-5	SP13-9	ND<10	10
72967-6	SP13-10	ND<10	10
72967-7	SP13-11	ND<10	10
72967-8	SP13-12	13.7	10
72967-9	SP13-13	ND<10	10
72967-10	SP13-14	26	10
72967-11	SP13-15	22.8	10
72967-12	SP13-16	ND<10	10

QA/QC: Spike Recovery for Diesel: 108%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (510) 222-3002 FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608


Received: 10/25/91
Reported: 11/14/91
Job #: 72967

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
72967-1	SP13-5	ND<10	10
72967-2	SP13-6	ND<10	10
72967-3	SP13-7	ND<10	10
72967-4	SP13-8	ND<10	10
72967-5	SP13-9	ND<10	10
72967-6	SP13-10	ND<10	10
72967-7	SP13-11	ND<10	10
72967-8	SP13-12	ND<10	10
72967-9	SP13-13	ND<10	10
72967-10	SP13-14	ND<10	10
72967-11	SP13-15	ND<10	10
72967-12	SP13-16	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

7247

Project No.: 164907	Field Logbook No.:	Date: 10/25/91	Serial No.: 7436
Project Name: Verba Buena	Project Location: Emeryville, CA		

SAMPLES					ANALYSES					SAMPLERS		REMARKS	
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	EPA 807A	EPA 87A	90/3	HOLD	RUSH	MJS, WEM		
SP13-5	10/25/91			1	Soil		X			X			
SP13-6	}											RUSH-48-hr TAT	
SP13-7													
SP13-8													Please Homogenize each
SP13-9													sample
SP13-10													
SP13-11													
SP13-12													
SP13-13													
SP13-14													
SP13-15													
SP13-16	X			X	X		X			X			
												Results to: Victor Kong	

RELINQUISHED BY: (Signature) <i>William Prosser</i>	DATE: 10/25/91	TIME: 18:00	RECEIVED BY: (Signature) <i>Kulwinder Sidhu</i>	DATE: 10/25/91	TIME: 18:02
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: <i>Precision Analytical</i>
---	--

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (510) 222-3002 FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 11/07/91
Reported: 12/02/91
Job #: 73002

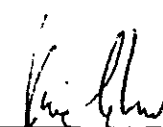
Project: Yerba Buena
Emeryville/Oakland
Matrix: Soil

Total Hydrocarbon Analysis
Standard Methods, 16th Edition 503E
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Total Hydrocarbons</u>	<u>MDL</u>
73002-3	SP10-6	255	50
73002-4	SP10-7	220	50
73002-5	SP10-8	1,190	50
73002-6	SP10-9	ND<50	50

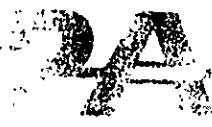
QA/QC: Spike Recovery: 70%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/vb



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (510) 222-3002 FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 11/07/91
Reported: 12/02/91
Job #: 73002

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Verba Buena
Emeryville/Oakland
Matrix: Soil

Total Oil & Grease
EPA Method 9071
mg/Kg

Table with 4 columns: Lab ID, Client ID, Oil & Grease, MDL. Rows include data for Lab IDs 73002-3 through 73002-6.

QA/QC: Spike Recovery: 104%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/vb

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 11/07/91
Reported: 12/05/91
Job #: 73002

Project: Yerba Buena
Emeryville


Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73002-3	SP10-6	ND<10	10
73002-4	SP10-7	ND<10	10
73002-5	SP10-8	ND<10	10
73002-6	SP10-9	ND<10	10

QA/QC: Spike Recovery for Diesel: 84%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 11/07/91
Reported: 12/05/91
Job #: 73002

Project: Yerba Buena
Emeryville

Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73002-3	SP10-6	ND<50	50
73002-4	SP10-7	ND<50	50
73002-5	SP10-8	ND<50	50
73002-6	SP10-9	ND<50	50

QA/QC: Spike Recovery for Oil: 104%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 11/07/91
Reported: 12/05/91
Job #: 73002

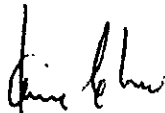
Project: Yerba Buena
Emeryville/Oakland
Matrix: Soil

Total Hydrocarbon Analysis
Standard Methods, 16th Edition 503E
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Total Hydrocarbons</u>	<u>MDL</u>
73002-9	SP19-5	150	50
73002-10	SP19-6	245	50

QA/QC: Spike Recovery: 97%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (510) 222-3002 FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 11/07/91
Reported: 12/05/91
Job #: 73002

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

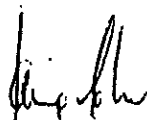
Project: Verba Buena
Emeryville/Oakland
Matrix: Soil

Total Oil & Grease
EPA Method 9071
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil & Grease</u>	<u>MDL</u>
73002-9	SP19-5	200	50
73002-10	SP19-6	265	50

QA/QC: Spike Recovery: 109%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07			Field Logbook No.:			Date: 11/8/91			Serial No.: 7471					
Project Name: Verba Buena			Project Location: Verba Buena, Emeryville, Oakland											
Sampler (Signature): VTK			ANALYSES						Samplers: VTK					
SAMPLES														
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA 601	EPA 602	EPA 603	Oil	Grease	BTEX	HOLD	RUSH	REMARKS
SP4-51	11/8			1	Soil					X	X			48 Hr. T.O.T.
SP4-52	11/8			1	Soil					X	X			
SP10-6	11/8					X	X	X	X					For / tested Result to Victor King
SP10-7	11/8					X	X	X	X					
SP10-8	11/8					X	X	X	X					
SP10-9	11/8					X	X	X	X					
SP16-51	11/8									X	X			
SP16-52	11/8									X	X			
SP19-5	11/8									X	X			
SP19-6	11/8									X	X			
SP20-136	11/8									X	X			
SP20-137	11/8									X	X			
RELINQUISHED BY: (Signature) King			DATE: 11/8/91	TIME: 5:00 PM	RECEIVED BY: (Signature) Gene Debra			DATE: 11/7/91	TIME: 12:45					
RELINQUISHED BY: (Signature)			DATE	TIME	RECEIVED BY: (Signature)			DATE	TIME					
RELINQUISHED BY: (Signature)			DATE	TIME	RECEIVED BY: (Signature)			DATE	TIME					
METHOD OF SHIPMENT:			DATE	TIME	LAB COMMENTS:									
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500			Analytical Laboratory: Precision Lab											

FILE
1649.07

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

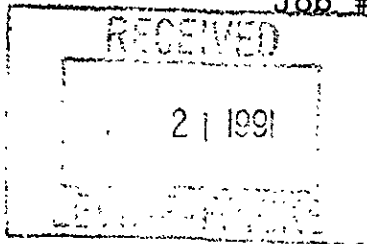
FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 11/07/91
Reported: 11/18/91
Job #: 73002



Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Lab ID	Client ID	Gasoline	MDL
73002-1	SP4-51	1.3	1.0
73002-2	SP4-52	3.5	1.0
73002-3	S10-6	1.1	1.0
73002-4	SP10-7	ND<1.0	1.0
73002-5	SP10-8	6.5	1.0
73002-6	SP10-9	ND<1.0	1.0
73002-7	SP16-51	ND<1.0	1.0
73002-8	SP16-52	1.1	1.0
73002-9	SP19-5	2.0	1.0
72002-10	SP19-6	ND<1.0	1.0
72002-11	SP20-136	ND<1.0	1.0
72002-12	SP20-137	ND<1.0	1.0

QC/QC: Spike Recovery for Gasoline: 98%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (510) 222-3002 FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 11/07/91
Reported: 11/18/91
Job #: 73002

Attn: Victor Kong
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab ID, Client ID, Benzene, MDL, Toluene, MDL. Rows 73002-1 to 73002-6.

Table with 6 columns: Lab ID, Client ID, Ethyl-benzene, MDL, Xylenes, MDL. Rows 73002-1 to 73002-6.

QA/QC: Spike Recovery for Benzene: 79%
Spike Recovery for Toluene: 95%
Spike Recovery for Xylene: 100%

MDL: Method Detection Limit. Compound below this level would not be detected.

Handwritten signature of Jaime Chow

Jaime Chow
Laboratory Director

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 11/07/91
Reported: 11/18/91
Job #: 73002

Attn: Victor Kong
Levine-Fricke

Project: Yerba Buena
Emeryville, CA
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73002-7	SP16-51	0.006	0.005	0.011	0.005
73002-8	SP16-52	0.009	0.005	0.024	0.005
73002-9	SP19-5	ND<0.005	0.005	0.012	0.005
73002-10	SP19-6	ND<0.005	0.005	0.008	0.005
73002-11	SP20-136	ND<0.005	0.005	0.006	0.005
73002-12	SP20-137	ND<0.005	0.005	0.005	0.005

<u>Lab ID</u>	<u>Client ID</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
73002-7	SP16-51	ND<0.005	0.005	0.027	0.005
73002-8	SP16-52	0.012	0.005	0.085	0.005
73002-9	SP19-5	0.007	0.005	0.045	0.005
73002-10	SP19-6	ND<0.005	0.005	0.023	0.005
73002-11	SP20-136	ND<0.005	0.005	0.012	0.005
73002-12	SP20-137	ND<0.005	0.005	0.012	0.005

QA/QC: Spike Recovery for Benzene: 79%
Spike Recovery for Toluene: 95%
Spike Recovery for Xylene: 100%

MDL: Method Detection Limit. Compound below this level would not be detected.

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07 Field Logbook No.: _____ Date: 11/8/91 Serial No.: 7471

Project Name: Verba Buena Project Location: Verba Buena Emeryville Oakland

Sampler (Signature): VTK ANALYSES Samplers: VTK

SAMPLES					ANALYSES					REMARKS			
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	EPA 601	PAHs	Oil	Chlorine		BTEX	HOLD	RUSH
SP4-51	11/8			1	Sol			X	X				48 Hr. T.O.T.
SP4-52	11/8			1	Sol			X	X				
SP10-6	11/8					X	X	X	X				Fax/verbal Result to Victor Kong
SP10-7	11/8					X	X	X	X				
SP10-8	11/8					X	X	X	X				
SP10-9	11/8					X	X	X	X				
SP16-51	11/8							X	X				
SP16-52	11/8							X	X				
SP19-5	11/8							X	X				
SP19-6	11/8							X	X				
SP20-136	11/8							X	X				
SP20-137	11/8							X	X				

RELINQUISHED BY: <u>[Signature]</u>	DATE: <u>11/8/91</u>	TIME: <u>5:00pm</u>	RECEIVED BY: <u>[Signature]</u>	DATE: <u>11/8/91</u>	TIME: <u>4:30pm</u>
RELINQUISHED BY: _____	DATE: _____	TIME: _____	RECEIVED BY: _____	DATE: _____	TIME: _____
RELINQUISHED BY: _____	DATE: _____	TIME: _____	RECEIVED BY: _____	DATE: _____	TIME: _____
METHOD OF SHIPMENT: _____			LAB COMMENTS: _____		
Sample Collector: <u>LEVINE-FRICKE</u> 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500			Analytical Laboratory: <u>Precision Lab</u>		

APPENDIX O

LABORATORY CERTIFICATES - LEVINE-FRICKE AERATION SAMPLES

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 05/20/92

Reported: 05/21/92

Job #: 73557

Attn: William Madison
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73557-1	SS-1-3A	ND<10	10
73557-2	SS-2-3A	ND<10	10

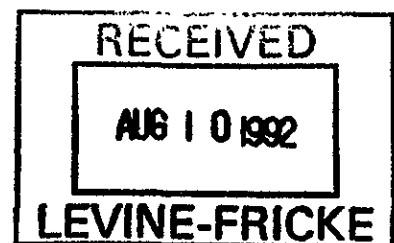
QA/QC: Spike Recovery: 121%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Jaime Chow
Laboratory Director

JC/td

COPY



OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 05/20/92

Reported: 05/21/92

Job #: 73557

Attn: William Madison
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73557-1	SS-1-3A	ND<10	10
73557-2	SS-2-3A	ND<10	10

MDL: Method Detection Limit. Compound below this level would not be detected.

Sueinda Sethu (for)

Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 05/20/92

Reported: 05/21/92

Job #: 73557

Attn: William Madison
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

**Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg**

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73557-1	SS-1-3A	ND<50	50
73557-2	SS-2-3A	ND<50	50

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow

Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 05/20/92

Reported: 05/21/92

Job #: 73557

Attn: William Madison
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73557-1	SS-1-3A	ND<0.005	0.005	ND<0.005	0.005
73557-2	SS-2-3A	ND<0.005	0.005	ND<0.005	0.005

<u>Lab ID</u>	<u>Client ID</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
73557-1	SS-1-3A	ND<0.005	0.005	0.008	0.005
73557-2	SS-2-3A	ND<0.005	0.005	0.04	0.005

QA/QC: Spike Recovery for Benzene: 113%
Spike Recovery for Toluene: 105%
Spike Recovery for Xylene: 93%

MDL: Method Detection Limit. Compound below this level would not be detected.

Sueinda Sodhu (For)

Jaime Chow
Laboratory Director

JC/td

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 05/22/92
Extraction: 05/26/92
Reported: 05/28/92
Job #: 73567

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

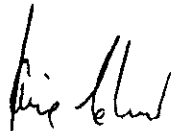
Project: Yerba Buena, Emeryville
Matrix: Soil

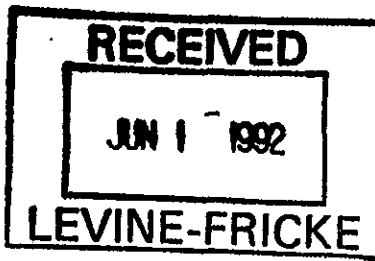
Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73567-1	SS-3-1A	ND<50	50
73567-2	SS-4-2A	100	50
73567-3	SS-5-5A	ND<50	50
73567-4	SS-6-4A	ND<50	50
73567-5	SS-7-6A	ND<50	50
73567-6	SS-8-7A	ND<50	50

QA/QC: Spike Recovery: 97%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director



JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 05/22/92
Extraction: 05/26/92
Reported: 05/28/92
Job #: 73567

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Table with 4 columns: Lab ID, Client ID, Gasoline, MDL. Rows include data for Lab IDs 73567-1 through 73567-6.

QA/QC: Spike Recovery: 103%

MDL: Method Detection Limit. Compound below this level would not be detected.

Handwritten signature of Jaime Chow

Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 05/22/92
Extraction: 05/26/92
Reported: 05/28/92
Job #: 73567

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73567-1	SS-3-1A	ND<10	10
73567-2	SS-4-2A	ND<10	10
73567-3	SS-5-5A	ND<10	10
73567-4	SS-6-4A	ND<10	10
73567-5	SS-7-6A	ND<10	10
73567-6	SS-8-7A	16	10

QA/QC: Spike Recovery: 125%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Received: 05/22/92
Reported: 05/28/92
Job #: 73567

Project: Yerba Buena, Emeryville
Matrix: Soil

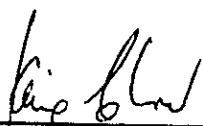
Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Lab ID	Client ID	Benzene	MDL	Toluene	MDL
73567-1	SS-3-1A	ND<0.005	0.005	ND<0.005	0.005
73567-2	SS-4-2A	ND<0.005	0.005	ND<0.005	0.005
73567-3	SS-5-5A	ND<0.005	0.005	ND<0.005	0.005
73567-4	SS-6-4A	0.045	0.005	ND<0.005	0.005
73567-5	SS-7-6A	0.02	0.005	ND<0.005	0.005
73567-6	SS-8-7A	0.12	0.005	0.03	0.005

Lab ID	Client ID	Ethyl- benzene	MDL	Xylenes	MDL
73567-1	SS-3-1A	ND<0.005	0.005	ND<0.005	0.005
73567-2	SS-4-2A	0.008	0.005	0.031	0.005
73567-3	SS-5-5A	ND<0.005	0.005	ND<0.005	0.005
73567-4	SS-6-4A	0.080	0.005	0.20	0.005
73567-5	SS-7-6A	0.090	0.005	0.11	0.005
73567-6	SS-8-7A	0.32	0.005	4.6	0.005

QA/QC: Spike Recovery for Benzene: 94%
Spike Recovery for Toluene: 103%
Spike Recovery for Xylene: 92%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY

JC/td

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1699.07	Field Logbook No.:	Date: 5/22/92	Serial No.: 10591
Project Name: 1569 Bueena	Project Location: Emeryville		

Sampler (Signature): *William Goodwin* ANALYSES

SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	ANALYSES					HOLD	RUSH	REMARKS
						EPA 801	EPA 821	MSD	8015	8020			
SS-3-1A	5/22/92			1	Soil		X	X				X	5-Day TAT Results Forwarded to Cindy Barclay
SS-4-2A				1			X	X				X	
SS-5-5A				1			X	X				X	
SS-6-4A				1			X	X				X	
SS-7-6A				1			X	X				X	
SS-8-7A				1			X	X				X	

RELINQUISHED BY: (Signature) <i>William Goodwin</i>	DATE	TIME	RECEIVED BY: (Signature) <i>Kalvin Sidle</i>	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: <i>Precision Analytical</i>
--	---

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

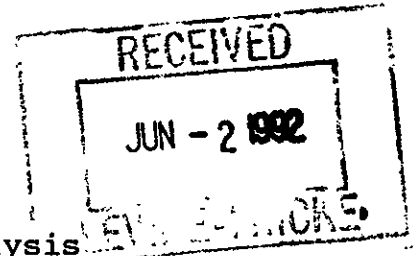
CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 05/26/92
Extraction: 05/27/92
Reported: 05/29/92
Job #: 73574

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville, CA
Matrix: Soil

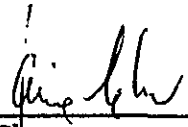


Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

Lab ID	Client ID	Oil	MDL
73574-1	SS-9-1C	ND<50	50
73574-2	SS-10-1B	ND<50	50
73574-3	SS-11-2C	ND<50	50
73574-4	SS-12-2B	ND<50	50
73574-5	SS-13-3C	ND<50	50
73574-6	SS-14-3B	ND<50	50
73574-7	SS-15-4C	ND<50	50
73574-8	SS-16-4B	ND<50	50
73574-9	SS-17-5C	ND<50	50
73574-10	SS-18-5B	ND<50	50
73574-11	SS-19-6B	ND<50	50

QA/QC: Spike Recovery: 95%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 05/26/92
Extraction: 05/27/92
Reported: 05/29/92
Job #: 73574

Attn: Cindy Barclay
Levine-Fricke

Project: Yerba Buena, Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Oil</u>	<u>MDL</u>
73574-12	SS-20-6C	ND<50	50
73574-13	SS-21-7C	ND<50	50
73574-14	SS-22-7B	ND<50	50
73574-15	SS-23-8C	ND<50	50
73574-16	SS-24-8B	ND<50	50
73574-17	SS-25-9B	ND<50	50
73574-18	SS-26-9C	ND<50	50
73574-19	SS-27-10C	60	50
73574-20	SS-28-10B	ND<50	50
73574-21	SS-29-10A	ND<50	50
73574-22	SS-30-9A	ND<50	50

QA/QC: Spike Recovery: 95%

MDL: Method Detection Limit. Compound below this level would not be detected.

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 05/26/92
Extraction: 05/27/92
Reported: 05/29/92
Job #: 73574

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

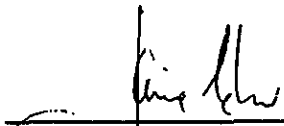
Project: Yerba Buena, Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73574-1	SS-9-1C	ND<10	10
73574-2	SS-10-1B	ND<10	10
73574-3	SS-11-2C	ND<10	10
73574-4	SS-12-2B	ND<10	10
73574-5	SS-13-3C	ND<10	10
73574-6	SS-14-3B	ND<10	10
73574-7	SS-15-4C	12	10
73574-8	SS-16-4B	ND<10	10
73574-9	SS-17-5C	12	10
73574-10	SS-18-5B	ND<10	10
73574-11	SS-19-6B	ND<10	10

QA/QC: Spike Recovery: 96%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 05/26/92
Extraction: 05/27/92
Reported: 05/29/92
Job #: 73574

Attn: Cindy Barclay
Levine-Fricke

Project: Yerba Buena, Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Gasoline</u>	<u>MDL</u>
73574-12	SS-20-6C	ND<10	10
73574-13	SS-21-7C	ND<10	10
73574-14	SS-22-7B	ND<10	10
73574-15	SS-23-8C	ND<10	10
73574-16	SS-24-8B	ND<10	10
73574-17	SS-25-9B	ND<10	10
73574-18	SS-26-9C	ND<10	10
73574-19	SS-27-10C	31	10
73574-20	SS-28-10B	ND<10	10
73574-21	SS-29-10A	ND<10	10
73574-22	SS-30-9A	ND<10	10

QA/QC: Spike Recovery: 96%

MDL: Method Detection Limit. Compound below this level would not be detected.

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 05/26/92
Extraction: 05/27/92
Reported: 05/29/92
Job #: 73574

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

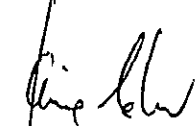
Project: Yerba Buena, Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73574-1	SS-9-1C	ND<10	10
73574-2	SS-10-1B	ND<10	10
73574-3	SS-11-2C	ND<10	10
73574-4	SS-12-2B	ND<10	10
73574-5	SS-13-3C	ND<10	10
73574-6	SS-14-3B	ND<10	10
73574-7	SS-15-4C	ND<10	10
73574-8	SS-16-4B	ND<10	10
73574-9	SS-17-5C	ND<10	10
73574-10	SS-18-5B	ND<10	10
73574-11	SS-19-6B	ND<10	10

QA/QC: Spike Recovery: 113%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

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PHONE (510) 222-3002

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 05/26/92
Extraction: 05/27/92
Reported: 05/29/92
Job #: 73574

Attn: Cindy Barclay
Levine-Fricke

Project: Yerba Buena, Emeryville, CA
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Diesel</u>	<u>MDL</u>
73574-12	SS-20-6C	ND<10	10
73574-13	SS-21-7C	ND<10	10
73574-14	SS-22-7B	ND<10	10
73574-15	SS-23-8C	ND<10	10
73574-16	SS-24-8B	ND<10	10
73574-17	SS-25-9B	ND<10	10
73574-18	SS-26-9C	ND<10	10
73574-19	SS-27-10C	21	10
73574-20	SS-28-10B	ND<10	10
73574-21	SS-29-10A	ND<10	10
73574-22	SS-30-9A	ND<10	10

QA/QC: Spike Recovery: 113%

MDL: Method Detection Limit. Compound below this level would not be detected.

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 05/26/92

Reported: 05/29/92

Job #: 73574

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena, Emeryville
Matrix: Soil

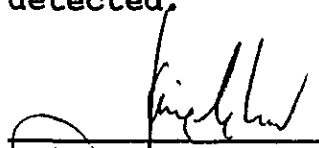
Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73574-1	SS-9-1C	ND<0.005	0.005	ND<0.005	0.005
73574-2	SS-10-1B	ND<0.005	0.005	ND<0.005	0.005
73574-3	SS-11-2C	ND<0.005	0.005	ND<0.005	0.005
73574-4	SS-12-2B	ND<0.005	0.005	ND<0.005	0.005
73574-5	SS-13-3C	ND<0.005	0.005	ND<0.005	0.005
73574-6	SS-14-3B	ND<0.005	0.005	ND<0.005	0.005

<u>Lab ID</u>	<u>Client ID</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
73574-1	SS-9-1C	ND<0.005	0.005	ND<0.005	0.005
73574-2	SS-10-1B	ND<0.005	0.005	ND<0.005	0.005
73574-3	SS-11-2C	ND<0.005	0.005	ND<0.005	0.005
73574-4	SS-12-2B	0.006	0.005	0.006	0.005
73574-5	SS-13-3C	ND<0.005	0.005	ND<0.005	0.005
73574-6	SS-14-3B	ND<0.005	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 85%
Spike Recovery for Toluene: 105%
Spike Recovery for Xylene: 93%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Attn: Cindy Barclay
Levine-Fricke

Received: 05/26/92
Reported: 05/29/92
Job #: 73574

Project: Yerba Buena, Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73574-7	SS-15-4C	ND<0.005	0.005	ND<0.005	0.005
73574-8	SS-16-4B	ND<0.005	0.005	ND<0.005	0.005
73574-9	SS-17-5C	0.017	0.005	ND<0.005	0.005
73574-10	SS-18-5B	ND<0.005	0.005	ND<0.005	0.005
73574-11	SS-19-6B	ND<0.005	0.005	ND<0.005	0.005
73574-12	SS-20-6C	ND<0.005	0.005	ND<0.005	0.005
73574-13	SS-21-7C	ND<0.005	0.005	ND<0.005	0.005
73574-14	SS-22-7B	ND<0.005	0.005	ND<0.005	0.005

<u>Lab ID</u>	<u>Client ID</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
73574-7	SS-15-4C	0.014	0.005	0.095	0.005
73574-8	SS-16-4B	ND<0.005	0.005	ND<0.005	0.005
73574-9	SS-17-5C	0.029	0.005	0.06	0.005
73574-10	SS-18-5B	ND<0.005	0.005	ND<0.005	0.005
73574-11	SS-19-6B	ND<0.005	0.005	ND<0.005	0.005
73574-12	SS-20-6C	ND<0.005	0.005	ND<0.005	0.005
73574-13	SS-21-7C	ND<0.005	0.005	ND<0.005	0.005
73574-14	SS-22-7B	ND<0.005	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 85%
Spike Recovery for Toluene: 105%
Spike Recovery for Xylene: 93%

MDL: Method Detection Limit. Compound below this level would not be detected.

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. E 750

Received: 05/26/92

Reported: 05/29/92

Job #: 73574

Attn: Cindy Barclay
Levine-Fricke

Project: Yerba Buena, Emeryville
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab ID</u>	<u>Client ID</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73574-15	SS-23-8C	ND<0.005	0.005	ND<0.005	0.005
73574-16	SS-24-8B	ND<0.005	0.005	ND<0.005	0.005
73574-17	SS-25-9B	ND<0.005	0.005	ND<0.005	0.005
73574-18	SS-26-9C	ND<0.005	0.005	ND<0.005	0.005
73574-19	SS-27-10C	0.024	0.005	ND<0.005	0.005
73574-20	SS-28-10B	ND<0.005	0.005	ND<0.005	0.005
73574-21	SS-29-10A	ND<0.005	0.005	ND<0.005	0.005
73574-22	SS-30-9A	0.024	0.005	ND<0.005	0.005

<u>Lab ID</u>	<u>Client ID</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
73574-15	SS-23-8C	ND<0.005	0.005	ND<0.005	0.005
73574-16	SS-24-8B	ND<0.005	0.005	ND<0.005	0.005
73574-17	SS-25-9B	ND<0.005	0.005	ND<0.005	0.005
73574-18	SS-26-9C	ND<0.005	0.005	ND<0.005	0.005
73574-19	SS-27-10C	0.037	0.005	0.080	0.005
73574-20	SS-28-10B	0.058	0.005	0.350	0.005
73574-21	SS-29-10A	0.011	0.005	0.021	0.005
73574-22	SS-30-9A	0.020	0.005	0.057	0.005

QA/QC: Spike Recovery for Benzene: 85%
Spike Recovery for Toluene: 105%
Spike Recovery for Xylene: 93%

MDL: Method Detection Limit. Compound below this level would not be detected.

1/2

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07	Field Logbook No.:	Date: 5/26/92	Serial No.: 10711
Project Name: Yerba Buena	Project Location: Emeryville, CA		

SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	ANALYSES						HOLD	RUSH	REMARKS
						DEPT 501	DEPT 504	Metals	8026					
SS-9-1C	5/26/92			1	Soil			X	X			X		5-DAY TAT Results Faxed to CINDY Barclay
SS-10-1B														
SS-11-2C														
SS-12-2B														
SS-13-3C														
SS-14-3B														
SS-15-4C														
SS-16-4B														
SS-17-5C														
SS-18-5B														
SS-19-6B														
SS-20-6C														
SS-21-7C														
SS-22-7B														
SS-23-8C														
SS-24-8B														

RELINQUISHED BY: (Signature) <i>William Madison</i>	DATE 5/26/92	TIME 14:55	RECEIVED BY: (Signature) <i>Jim Low</i>	DATE 5/24/92	TIME 17:30
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: <i>Precision Analytical</i>				

2/2

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07		Field Logbook No.:		Date: 5/26/92	Serial No.: 10698								
Project Name: Verbuena		Project Location: Emeryville				Samplers: WEMA							
Sampler (Signature): <i>[Signature]</i>		ANALYSES											
SAMPLES													
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	ETA-604	ETA-604	ETA-604	ETA-604	ETA-604	HOLD	RUSH	REMARKS
SS-25-9B	5/26/92			1	Soil		X	X			X		5-DAY TAT
SS-26-9C													Results Faxed to
SS-27-10C													Cindy Barclay
SS-28-10B													
SS-29-10A													
SS-30-9A													
RELINQUISHED BY: <i>[Signature]</i>		DATE: 5/26/92	TIME: 16:55	RECEIVED BY: <i>[Signature]</i>		DATE: 5/26/92	TIME: 17:30						
RELINQUISHED BY: (Signature)		DATE	TIME	RECEIVED BY: (Signature)		DATE	TIME						
RELINQUISHED BY: (Signature)		DATE	TIME	RECEIVED BY: (Signature)		DATE	TIME						
METHOD OF SHIPMENT:		DATE	TIME	LAB COMMENTS:									
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500				Analytical Laboratory: Precision Analytical									

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 07/17/92

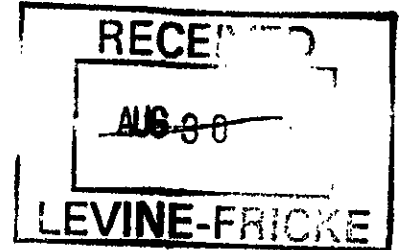
Reported: 07/30/92

Job #: 73711

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street
Emeryville, CA 94608

Project: Yerba Buena, Emeryville, CA
#1649.07

Matrix: Soil



Total Petroleum Hydrocarbon Analysis
EPA Method 5030
mg/Kg

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Gasoline *</u>	<u>MDL</u>
73711-1	SS-51-1A	ND<1.0	1.0
73711-2	SS-52-2A	2.3	1.0
73711-3	SS-53-1B	1.8	1.0
73711-4	SS-54-3A	3.2	1.0
73711-5	SS-55-2B	1.7	1.0
73711-6	SS-56-1C	1.6	1.0
73711-7	SS-57-3B	2.5	1.0
73711-8	SS-58-1D	1.0	1.0
73711-9	SS-59-2C	ND<1.0	1.0
73711-10	SS-60-2D	2.7	1.0
73711-11	SS-61-3C	1.4	1.0
73711-12	SS-62-3D	1.4	1.0
73711-13	SS-63-4C	2.8	1.0
73711-14	SS-64-4D	1.1	1.0
73711-15	SS-65-4B	1.7	1.0
73711-16	SS-66-5D	3.9	1.0

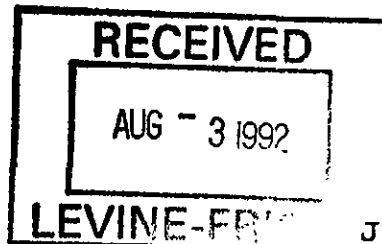
* Weathered gasoline

QA/QC: Spike Recovery: 100%

MDL: Method Detection Limit. Compound below this level would not be detected.

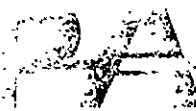
Jaime Chow

Jaime Chow
Laboratory Director



Jc/td

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY



CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street
Emeryville, CA 94608

Received: 07/17/92
Reported: 07/30/92
Job #: 73711

Project: Yerba Buena, Emeryville, CA
1649.07
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab I.D., Client I.D., Benzene, MDL, Toluene, MDL. Rows 1-5 showing data for various samples.

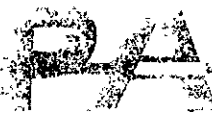
Table with 6 columns: Lab I.D., Client I.D., Ethylbenzene, MDL, Xylene, MDL. Rows 1-5 showing data for various samples.

QA/QC: Spike Recovery for Benzene: 103%
Spike Recovery for Toluene: 99%
Spike Recovery for Xylene: 98%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CEB
NEM

STATE LICENSE NO. 1150

Attn: Cindy Barclay
Levine-Fricke

Received: 07/17/92
Reported: 07/30/92
Job #: 73711

Project: Yerba Buena, Emeryville, CA
1649.07
Matrix: Soil

COPY

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Lab I.D.	Client I.D.	Benzene	MDL	Toluene	MDL
73711-6	SS-56-1C	ND<0.005	0.005	ND<0.005	0.005
73711-7	SS-57-3B	ND<0.005	0.005	ND<0.005	0.005
73711-8	SS-58-1D	ND<0.005	0.005	0.008	0.005
73711-9	SS-59-2C	ND<0.005	0.005	ND<0.005	0.005
73711-10	SS-60-2D	ND<0.005	0.005	ND<0.005	0.005
73711-11	SS-61-3C	ND<0.005	0.005	ND<0.005	0.005
73711-12	SS-62-3D	ND<0.005	0.005	0.006	0.005
73711-13	SS-63-4C	ND<0.005	0.005	ND<0.005	0.005
73711-14	SS-64-4D	ND<0.005	0.005	ND<0.005	0.005
73711-15	SS-65-4B	ND<0.005	0.005	ND<0.005	0.005
73711-16	SS-66-5D	ND<0.005	0.005	0.006	0.005

Lab I.D.	Client I.D.	Ethyl- benzene	MDL	Xylene	MDL
73711-6	SS-56-1C	ND<0.005	0.005	ND<0.005	0.005
73711-7	SS-57-3B	ND<0.005	0.005	ND<0.005	0.005
73711-8	SS-58-1D	ND<0.005	0.005	ND<0.005	0.005
73711-9	SS-59-2C	ND<0.005	0.005	ND<0.005	0.005
73711-10	SS-60-2D	ND<0.005	0.005	ND<0.005	0.005
73711-11	SS-61-3C	ND<0.005	0.005	ND<0.005	0.005
73711-12	SS-62-3D	ND<0.005	0.005	ND<0.005	0.005
73711-13	SS-63-4C	ND<0.005	0.005	ND<0.005	0.005
73711-14	SS-64-4D	ND<0.005	0.005	ND<0.005	0.005
73711-15	SS-65-4B	ND<0.005	0.005	ND<0.005	0.005
73711-16	SS-66-5D	ND<0.005	0.005	0.016	0.005

QA/QC: Spike Recovery for Benzene: 103%
Spike Recovery for Toluene: 99%
Spike Recovery for Xylene: 98%

MDL: Method Detection Limit. Compound below this level would not be detected.

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07	Field Logbook No.:	Date: 7/17/92	Serial No.: 9362
Project Name: YERBA BUENA	Project Location: EMERYVILLE CA.		

SAMPLER (Signature):					ANALYSES						SAMPLERS:	
SAMPLES					EPA 601	EPA 624	EPA 803D GAS BLEND	HOLD	RUSH	REMARKS		
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE							
SS-51-1A	7/17			1	SOIL		X					
SS-52-2A							X					NORMAL TURN AROUND TIME RESULTS TO CINDY BARCLAY
SS-53-1B							X					
SS-54-3A							X					
SS-55-2B							X					
SS-56-1C							X					
SS-57-3B							X					
SS-58-1D							X					
SS-59-2C							X					
SS-60-2D							X					
SS-61-3C							X					
SS-62-3D							X					
SS-63-4C							X					
SS-64-4D							X					
SS-65-4B							X					
SS-66-5D							X					

RELINQUISHED BY: (Signature) <i>William Levine</i>	DATE	TIME	RECEIVED BY: (Signature) <i>[Signature]</i>	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: PRECISION ANALYTICAL RICHMOND CA.
--	--

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 07/17/92
Reported: 07/31/92
Job #: 73712

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street
Emeryville, CA 94608

AUG - 4 1992

Project: Yerba Buena, Emeryville, CA
#1649.07

Matrix: Soil

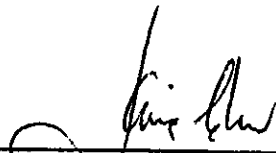
Total Petroleum Hydrocarbon Analysis
EPA Method 5030
mg/Kg

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Gasoline *</u>	<u>MDL</u>
73712-1	SS-67-4A	ND<1.0	1.0
73712-2	SS-68-6D	1.9	1.0
73712-3	SS-69-5A	17	1.0
73712-4	SS-70-6A	2.3	1.0
73712-5	SS-71-5B	2.4	1.0
73712-6	SS-72-1D	1.7	1.0
73712-7	SS-73-2D	1.6	1.0
73712-8	SS-74-2C	3.0	1.0
73712-9	SS-75-1C	8.8	1.0
73712-10	SS-76-2B	ND<1.0	1.0
73712-11	SS-77-1B	2.4	1.0
73712-12	SS-78-2A	1.0	1.0
73712-13	SS-79-1A	ND<1.0	1.0
73712-14	SS-80-3A	1.9	1.0
73712-15	SS-81-4A	1.7	1.0
73712-16	SS-82-3B	ND<1.0	1.0

* Weathered gasoline

QA/QC: Spike Recovery: 112%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street
Emeryville, CA. 94608

Received: 07/17/92
Reported: 07/31/92
Job #: 73712

Project: Yerba Buena, Emeryville, CA
1649.07
Matrix: Soil

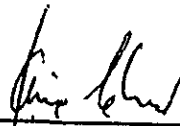
Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73712-1	SS-67-4A	ND<0.005	0.005	ND<0.005	0.005
73712-2	SS-68-6D	ND<0.005	0.005	ND<0.005	0.005
73712-3	SS-69-5A	ND<0.005	0.005	ND<0.005	0.005
73712-4	SS-70-6A	ND<0.005	0.005	ND<0.005	0.005
73712-5	SS-71-5B	ND<0.005	0.005	0.006	0.005

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylene</u>	<u>MDL</u>
73712-1	SS-67-4A	ND<0.005	0.005	ND<0.005	0.005
73712-2	SS-68-6D	ND<0.005	0.005	ND<0.005	0.005
73712-3	SS-69-5A	ND<0.005	0.005	ND<0.005	0.005
73712-4	SS-70-6A	ND<0.005	0.005	ND<0.005	0.005
73712-5	SS-71-5B	ND<0.005	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 94%
Spike Recovery for Toluene: 121%
Spike Recovery for Xylene: 110%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

STATE LICENSE NO. 1150

Attn: Cindy Barclay
Levine-Fricke

Received: 07/17/92
Reported: 07/31/92
Job #: 73712

Project: Yerba Buena, Emeryville, CA
1649.07
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73712-6	SS-72-1D	ND<0.005	0.005	0.007	0.005
73712-7	SS-73-2D	ND<0.005	0.005	ND<0.005	0.005
73712-8	SS-74-2C	ND<0.005	0.005	ND<0.005	0.005
73712-9	SS-75-1C	ND<0.005	0.005	ND<0.005	0.005
73712-10	SS-76-2B	ND<0.005	0.005	ND<0.005	0.005
73712-11	SS-77-1B	ND<0.005	0.005	ND<0.005	0.005
73712-12	SS-78-2A	ND<0.005	0.005	ND<0.005	0.005
73712-13	SS-79-1A	ND<0.005	0.005	0.007	0.005
73712-14	SS-80-3A	ND<0.005	0.005	ND<0.005	0.005
73712-15	SS-81-4A	ND<0.005	0.005	0.006	0.005
73712-16	SS-82-3B	ND<0.005	0.005	0.006	0.005

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylene</u>	<u>MDL</u>
73712-6	SS-72-1D	ND<0.005	0.005	ND<0.005	0.005
73712-7	SS-73-2D	ND<0.005	0.005	ND<0.005	0.005
73712-8	SS-74-2C	ND<0.005	0.005	ND<0.005	0.005
73712-9	SS-75-1C	ND<0.005	0.005	ND<0.005	0.005
73712-10	SS-76-2B	ND<0.005	0.005	ND<0.005	0.005
73712-11	SS-77-1B	ND<0.005	0.005	ND<0.005	0.005
73712-12	SS-78-2A	ND<0.005	0.005	ND<0.005	0.005
73712-13	SS-79-1A	ND<0.005	0.005	ND<0.005	0.005
73712-14	SS-80-3A	ND<0.005	0.005	ND<0.005	0.005
73712-15	SS-81-4A	ND<0.005	0.005	0.017	0.005
73712-16	SS-82-3B	ND<0.005	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 94%
Spike Recovery for Toluene: 121%
Spike Recovery for Xylene: 110%

MDL: Method Detection Limit. Compound below this level would not be detected.

STUDY ANALYSES REQUEST FORM

Project No.: 1649.07 Field Logbook No.: Date: 7/17/92 Serial No.: 9364
 Project Name: YERBA BUENA Project Location: EMERYVILLE, CA.

Sampler (Signature): *[Signature]* ANALYSES Samplers: JCK WEM

SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	ANALYSES										REMARKS	
						ETA-904	ETA-901	SOX-HVS	ATX	HOLD	RUSH						
SS-67-4A	7/17			1	SOIL												Standard TAG Results to Cindy Barclay
SS-68-6D																	
SS-69-5A																	
SS-70-6A																	
SS-71-5B																	
SS-72-1D																	
SS-73-2D																	
SS-74-2C																	
SS-75-1C																	
SS-76-2B																	
SS-77-1B																	
SS-78-2A																	
SS-79-1A																	
SS-80-3A																	
SS-81-4A																	
SS-82-3B																	

RELINQUISHED BY: <i>[Signature]</i>	DATE: 7/17/92	TIME: 17:25	RECEIVED BY: <i>[Signature]</i>	DATE: 7/17/92	TIME: 17:45
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: LEVINE-FRICKE
 1900 Powell Street, 12th Floor
 Emeryville, Ca 94608
 (415) 652-4500

Analytical Laboratory: PRECISION ANALYTICAL
 RICHMOND, CA.



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 07/17/92
Reported: 07/22/92
Job #: 73713

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street
Emeryville, CA 94608

Project: Yerba Buena
Emeryville, CA
#1649.07

Matrix: Soil

Total Petroleum Hydrocarbon Analysis
EPA Method 5030
mg/Kg

Table with 4 columns: Lab I.D., Client I.D., Gasoline, MDL. Rows include sample IDs 73713-1 through 73713-5 and their corresponding results.

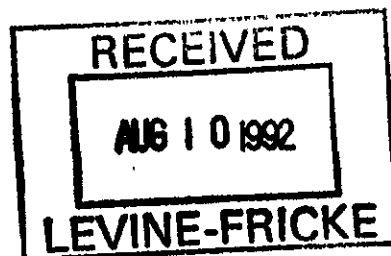
QA/QC: Spike Recovery: 82%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td

COPY



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 07/17/92

Reported: 07/22/92

Job #: 73713

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street
Emeryville, CA 94608

Project: Yerba Buena
Emeryville, CA
1649.07

Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73713-1	SS-83-4B	ND<0.005	0.005	ND<0.005	0.005
73713-2	SS-84-3C	ND<0.005	0.005	ND<0.005	0.005
73713-3	SS-85-4C	ND<0.005	0.005	0.020	0.005
73713-4	SS-86-3D	ND<0.005	0.005	ND<0.005	0.005
73713-5	SS-87-4D	ND<0.005	0.005	ND<0.005	0.005

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylene</u>	<u>MDL</u>
73713-1	SS-83-4B	ND<0.005	0.005	0.021	0.005
73713-2	SS-84-3C	ND<0.005	0.005	0.012	0.005
73713-3	SS-85-4C	0.12	0.005	0.640	0.005
73713-4	SS-86-3D	ND<0.005	0.005	0.007	0.005
73713-5	SS-87-4D	ND<0.005	0.005	0.014	0.005

QA/QC: Spike Recovery for Benzene: 97%
Spike Recovery for Toluene: 94%
Spike Recovery for Xylene: 89%

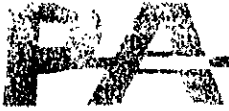
MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director.

JC/td

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 07/21/92
Reported: 08/05/92
Job #: 73722

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street
Emeryville, CA 94608

Project: Yerba Buena, Emeryville, CA
#1649.07

Matrix: Soil

Total Petroleum Hydrocarbon Analysis
EPA Method 5030
mg/Kg

Table with 4 columns: Lab I.D., Client I.D., Gasoline *, MDL. Rows 1-16 showing analysis results for various samples.

* Weathered gasoline

QA/QC: Spike Recovery: 127%

COPY

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

RECEIVED
AUG 10 1992
LEVINE-FRICKE

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 07/21/92
Reported: 08/05/92
Job #: 73722

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street
Emeryville, CA 94608

Project: Yerba Buena, Emeryville, CA
1649.07
Matrix: Soil

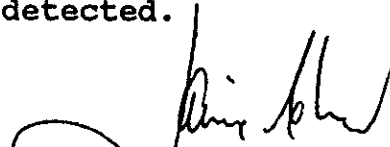
Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Lab I.D.	Client I.D.	Benzene	MDL	Toluene	MDL
73722-1	SS-88-5A	ND<0.005	0.005	ND<0.005	0.005
73722-2	SS-89-5B	ND<0.005	0.005	ND<0.005	0.005
73722-3	SS-90-5C	ND<0.005	0.005	ND<0.005	0.005
73722-4	SS-91-5D	ND<0.005	0.005	ND<0.005	0.005
73722-5	SS-92-6D	ND<0.005	0.005	ND<0.005	0.005
73722-6	SS-93-6C	ND<0.005	0.005	ND<0.005	0.005

Lab I.D.	Client I.D.	Ethyl-benzene	MDL	Xylene	MDL
73722-1	SS-88-5A	ND<0.005	0.005	ND<0.005	0.005
73722-2	SS-89-5B	ND<0.005	0.005	ND<0.005	0.005
73722-3	SS-90-5C	ND<0.005	0.005	ND<0.005	0.005
73722-4	SS-91-5D	ND<0.005	0.005	ND<0.005	0.005
73722-5	SS-92-6D	ND<0.005	0.005	ND<0.005	0.005
73722-6	SS-93-6C	ND<0.005	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 101%
Spike Recovery for Toluene: 100%
Spike Recovery for Xylene: 100%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chew
Laboratory Director

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

STATE LICENSE NO. 1150

Received: 07/21/92

Reported: 08/05/92

Job #: 73722

Attn: Cindy Barclay
Levine-Fricke

Project: Yerba Buena, Emeryville, CA
1649.07

Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73722-7	SS-94-6C	ND<0.005	0.005	ND<0.005	0.005
73722-8	SS-95-8C	ND<0.005	0.005	ND<0.005	0.005
73722-9	SS-96-7C	ND<0.005	0.005	ND<0.005	0.005
73722-10	SS-97-6C	ND<0.005	0.005	ND<0.005	0.005
73722-11	SS-98-5D	ND<0.005	0.005	ND<0.005	0.005
73722-12	SS-99-5E	ND<0.005	0.005	ND<0.005	0.005
73722-13	SS-100-4E	ND<0.005	0.005	ND<0.005	0.005
73722-14	SS-101-4D	ND<0.005	0.005	ND<0.005	0.005
73722-15	SS-102-3D	ND<0.005	0.005	ND<0.005	0.005
73722-16	SS-103-3E	ND<0.005	0.005	ND<0.005	0.005

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylene</u>	<u>MDL</u>
73722-7	SS-94-6C	ND<0.005	0.005	ND<0.005	0.005
73722-8	SS-95-8C	ND<0.005	0.005	ND<0.005	0.005
73722-9	SS-96-7C	ND<0.005	0.005	ND<0.005	0.005
73722-10	SS-97-6C	ND<0.005	0.005	ND<0.005	0.005
73722-11	SS-98-5D	0.068	0.005	0.25	0.005
73722-12	SS-99-5E	ND<0.005	0.005	ND<0.005	0.005
73722-13	SS-100-4E	ND<0.005	0.005	ND<0.005	0.005
73722-14	SS-101-4D	0.009	0.005	0.018	0.005
73722-15	SS-102-3D	ND<0.005	0.005	0.006	0.005
73722-16	SS-103-3E	0.04	0.005	0.09	0.005

QA/QC: Spike Recovery for Benzene: 101%
Spike Recovery for Toluene: 100%
Spike Recovery for Xylene: 100%

MDL: Method Detection Limit. Compound below this level would not be detected.

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

1/2

Project No.: 1649.07		Field Logbook No.:		Date: 8/28/92	Serial No.: 9387		
Project Name: Verba Buena		Project Location: Verba Buena				Samplers: WEM	
Sampler (Signature): <i>Gillian Frisbie</i>		ANALYSES				REMARKS	
SAMPLES		EPA 601		EPA 624		HOLD RUSH	
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE		
SS-194-6A	8/28/92			1	Soil	X	Standard TAT
SS-195-7A							Results to Cindy Barclay
SS-196-7B							
SS-197-6B							
SS-198-7A							
SS-199-6A							
SS-200-4A							
SS-201-5A							
SS-202-3A							
SS-203-1B							
SS-204-2A							
SS-205-1C							
SS-206-2B							
SS-207-4A							
SS-208-2C							
SS-209-4B							
RELINQUISHED BY: (Signature) <i>Gillian Frisbie</i>	DATE: 8/28/92	TIME: 15:40	RECEIVED BY: (Signature) <i>Dick K...</i>	DATE: 8/28/92	TIME: 16:40		
RELINQUISHED BY: (Signature) <i>Dick K...</i>	DATE: 8/28/92	TIME: 4:00	RECEIVED BY: (Signature) <i>Kulwin...</i>	DATE: 8/28/92	TIME: 4:00		
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME		
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:				
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 662-4500			Analytical Laboratory: <i>Precision Analytical</i>				

Shipping Copy (White)

Lab Copy (Green)

File Copy (Yellow)

Field Copy (Pink)

FORM NO. 86/COC/ARF

002

PRECISION LAB

415 822 5290

09/17/92 14:18

415 822 5290 PAGE.002

SEP 17 '92 13:16

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

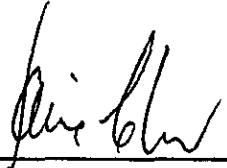
PHONE (510) 222-3002

FAX (510) 222-1251

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylene</u>	<u>MDL</u>
73847-21	SS-214-5A	ND<0.005	0.005	ND<0.005	0.005
73847-22	SS-215-3A	ND<0.005	0.005	ND<0.005	0.005
73847-23	SS-216-6A	ND<0.005	0.005	ND<0.005	0.005
73847-24	SS-217-6B	ND<0.005	0.005	ND<0.005	0.005
73847-25	SS-218-6C	ND<0.005	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 99%
Spike Recovery for Toluene: 99%
Spike Recovery for Xylene: 96%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/vr

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002 FAX (510) 222-1251

STATE LICENSE NO. 1150

Received: 08/28/92

Reported: 09/15/92

Job #: 73847

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/kg

<u>Lab I. D.</u>	<u>Client I.D.</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73847-11	SS-204-2A	ND<0.005	0.005	ND<0.005	0.005
73847-12	SS-205-1C	ND<0.005	0.005	ND<0.005	0.005
73847-13	SS-206-2B	ND<0.005	0.005	ND<0.005	0.005
73847-14	SS-207-4A	ND<0.005	0.005	ND<0.005	0.005
73847-15	SS-208-2C	ND<0.005	0.005	ND<0.005	0.005
73847-16	SS-209-4B	ND<0.005	0.005	ND<0.005	0.005
73847-17	SS-210-3C	ND<0.005	0.005	ND<0.005	0.005
73847-18	SS-211-5C	ND<0.005	0.005	ND<0.005	0.005
73847-19	SS-212-5B	ND<0.005	0.005	ND<0.005	0.005
73847-20	SS-213-3B	ND<0.005	0.005	ND<0.005	0.005
73847-21	SS-214-5A	ND<0.005	0.005	ND<0.005	0.005
73847-22	SS-215-3A	ND<0.005	0.005	ND<0.005	0.005
73847-23	SS-216-6A	ND<0.005	0.005	ND<0.005	0.005
73847-24	SS-217-6B	ND<0.005	0.005	ND<0.005	0.005
73847-25	SS-218-6C	ND<0.005	0.005	ND<0.005	0.005

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylenes</u>	<u>MDL</u>
73847-11	SS-204-2A	ND<0.005	0.005	ND<0.005	0.005
73847-12	SS-205-1C	ND<0.005	0.005	ND<0.005	0.005
73847-13	SS-206-2B	ND<0.005	0.005	ND<0.005	0.005
73847-14	SS-207-4A	ND<0.005	0.005	ND<0.005	0.005
73847-15	SS-208-2C	ND<0.005	0.005	ND<0.005	0.005
73847-16	SS-209-4B	ND<0.005	0.005	0.015	0.005
73847-17	SS-210-3C	ND<0.005	0.005	ND<0.005	0.005
73847-18	SS-211-5C	ND<0.005	0.005	0.008	0.00
73847-19	SS-212-5B	ND<0.005	0.005	ND<0.005	0.005
73847-20	SS-213-3B	ND<0.005	0.005	ND<0.005	0.005

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (510) 222-3002 FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 08/28/92
 Reported: 09/15/92
 Job #: 73847

Attn: Cindy Barclay
 Levine-Fricke
 1900 Powell Street, 12th Floor
 Emeryville, CA 94608

Project: Yerba Buena

Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
 EPA Method 8020
 mg/kg

Lab I.D.	Client I.D.	Benzene	MDL	Toluene	MDL
73847-1	SS-194-6A	ND<0.005	0.005	ND<0.005	0.005
73847-2	SS-195-7A	ND<0.005	0.005	ND<0.005	0.005
73847-3	SS-196-7B	ND<0.005	0.005	ND<0.005	0.005
73847-4	SS-197-6B	ND<0.005	0.005	ND<0.005	0.005
73847-5	SS-198-7A	ND<0.005	0.005	ND<0.005	0.005
73847-6	SS-199-6A	ND<0.005	0.005	ND<0.005	0.005
73847-7	SS-200-4A	ND<0.005	0.005	ND<0.005	0.005
73847-8	SS-201-5A	ND<0.005	0.005	ND<0.005	0.005
73847-9	SS-202-3A	ND<0.005	0.005	ND<0.005	0.005
73847-10	SS-203-1B	ND<0.005	0.005	ND<0.005	0.005
73847-1	SS-194-6A	ND<0.005	0.005	ND<0.005	0.005
73847-2	SS-195-7A	ND<0.005	0.005	ND<0.005	0.005
73847-3	SS-196-7B	ND<0.005	0.005	ND<0.005	0.005
73847-4	SS-197-6B	ND<0.005	0.005	ND<0.005	0.005
73847-5	SS-198-7A	ND<0.005	0.005	ND<0.005	0.005
73847-6	SS-199-6A	ND<0.005	0.005	ND<0.005	0.005
73847-7	SS-200-4A	ND<0.005	0.005	ND<0.005	0.005
73847-8	SS-201-5A	ND<0.005	0.005	ND<0.005	0.005
73847-9	SS-202-3A	ND<0.005	0.005	ND<0.005	0.005
73847-10	SS-203-1B	ND<0.005	0.005	ND<0.005	0.005
73847-1	SS-194-6A	ND<0.005	0.005	ND<0.005	0.005
73847-2	SS-195-7A	ND<0.005	0.005	ND<0.005	0.005
73847-3	SS-196-7B	ND<0.005	0.005	ND<0.005	0.005
73847-4	SS-197-6B	ND<0.005	0.005	ND<0.005	0.005
73847-5	SS-198-7A	ND<0.005	0.005	ND<0.005	0.005
73847-6	SS-199-6A	ND<0.005	0.005	ND<0.005	0.005
73847-7	SS-200-4A	ND<0.005	0.005	ND<0.005	0.005
73847-8	SS-201-5A	ND<0.005	0.005	ND<0.005	0.005
73847-9	SS-202-3A	ND<0.005	0.005	ND<0.005	0.005
73847-10	SS-203-1B	ND<0.005	0.005	ND<0.005	0.005
Lab I.D.	Client I.D.	Benzene	MDL	Xylene	MDL
73847-1	SS-194-6A	ND<0.005	0.005	ND<0.005	0.005
73847-2	SS-195-7A	ND<0.005	0.005	ND<0.005	0.005
73847-3	SS-196-7B	ND<0.005	0.005	ND<0.005	0.005
73847-4	SS-197-6B	ND<0.005	0.005	ND<0.005	0.005
73847-5	SS-198-7A	ND<0.005	0.005	ND<0.005	0.005
73847-6	SS-199-6A	ND<0.005	0.005	ND<0.005	0.005
73847-7	SS-200-4A	ND<0.005	0.005	ND<0.005	0.005
73847-8	SS-201-5A	ND<0.005	0.005	ND<0.005	0.005
73847-9	SS-202-3A	ND<0.005	0.005	ND<0.005	0.005
73847-10	SS-203-1B	ND<0.005	0.005	ND<0.005	0.005

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

STATE LICENSE NO. 1150

Received: 08/28/92

Reported: 09/15/92

Job #: 73847

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Everyville, CA 94608

Project: Yerba Buena
Matrix: Soil

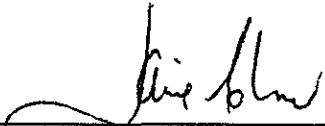
Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Gasoline</u>	<u>MDL</u>
73847-21	SS-214-5A	ND<1.0	1.0
73847-22	SS-215-3A	ND<1.0	1.0
73847-23	SS-216-6A	ND<1.0	1.0
73847-24	SS-217-6B	ND<1.0	1.0
73847-25	SS-218-6C	ND<1.0	1.0

* Weathered Gasoline

QA/QC: Spike Recovery: 99%

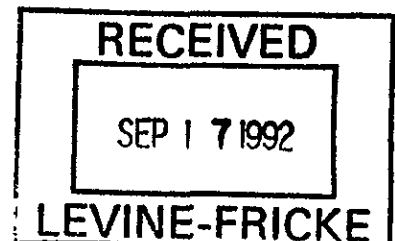
MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/vr

COPY



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 08/28/92

Reported: 09/15/92

Job #: 73847

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena

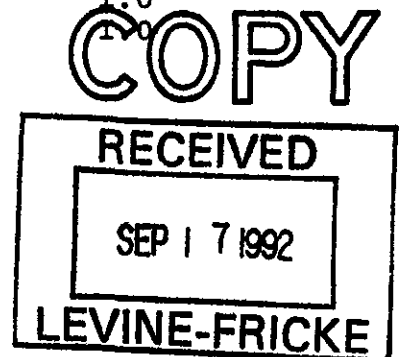
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
DHS Extraction Method (LUFT)
mg/Kg

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Gasoline</u>	<u>MDL</u>
73847-1	SS-194-6A	ND<1.0	1.0
73847-2	SS-195-7A	ND<1.0	1.0
73847-3	SS-196-7B	ND<1.0	1.0
73847-4	SS-197-6B	ND<1.0	1.0
73847-5	SS-198-7A	* 2.7	1.0
73847-6	SS-199-6A	ND<1.0	1.0
73847-7	SS-200-4A	ND<1.0	1.0
73847-8	SS-201-5A	ND<1.0	1.0
73847-9	SS-202-3A	ND<1.0	1.0
73847-10	SS-203-1B	ND<1.0	1.0
73847-11	SS-204-2A	ND<1.0	1.0
73847-12	SS-205-1C	* 1.4	1.0
73847-13	SS-206-2B	ND<1.0	1.0
73847-14	SS-207-4A	ND<1.0	1.0
73847-15	SS-208-2C	ND<1.0	1.0
73847-16	SS-209-4B	* 6.4	1.0
73847-17	SS-210-3C	ND<1.0	1.0
73847-18	SS-211-5C	* 3.8	1.0
73847-19	SS-212-5B	* 4.5	1.0
73847-20	SS-213-3B	ND<1.0	1.0

Page 1 of 2

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY



CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 167907
 Project Name: Yrba Buena - Riverside
 Field Logbook No.:
 Date: 8/26/92
 Serial No.: 9335
 Sampler (Signature): *Matthew Crandall*
 ANALYSES

SAMPLERS
 EPA 601
 EPA 624
 5030
 903 RTKX
 HOLD
 RUSH
 REMARKS
 Samplers: WEM

SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF SAMPLE CONTAINERS	SAMPLE TYPE	ANALYSES	REMARKS
SS-180-2C	8/26/92			1	SO1		Standard TAT
SS-181-3C							
SS-182-4C							
SS-183-4B							Results to Cindy
SS-184-3B							Parce for
SS-185-2B							
SS-186-1B							
SS-187-1A							
SS-188-2A							
SS-189-3A							
SS-190-4A							
SS-191-5A							
SS-192-5B							
SS-193-5C							

RECEIVED BY: *Matthew Crandall* DATE: 8/26/92 TIME: 17:20
 RECEIVED BY: *Matthew Crandall* DATE: 8/26/92 TIME: 17:20
 RECEIVED BY: *Matthew Crandall* DATE: 8/27/92 TIME: 9:45A
 RECEIVED BY: *Matthew Crandall* DATE: 8/27/92 TIME: 9:45A
 LAB COMMENTS:

Sample Collector: LEVINE-FRICKE
 1900 Powell Street, 12th Floor
 Emeryville, Ca 94608
 (415) 652-4500
 Shipping Copy (White)
 Lab Copy (Green)
 File Copy (Yellow)
 Field Copy (Pink)
 Analytical Laboratory: Precision Analytical
 FORM NO. 86/COC/ARF

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 08/27/92

Reported: 09/10/92

Job #: 73836

Attn: Cindy Barclay
Levine-Fricke

Project: Yerba Buena, Emeryville, CA
#1649.07
Serial #9335

Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73836-7	SS-186-1B	ND<0.005	0.005	ND<0.005	0.005
73836-8	SS-187-1A	ND<0.005	0.005	ND<0.005	0.005
73836-9	SS-188-2A	ND<0.005	0.005	ND<0.005	0.005
73836-10	SS-189-3A	ND<0.005	0.005	ND<0.005	0.005
73836-11	SS-190-4A	ND<0.005	0.005	ND<0.005	0.005
73836-12	SS-191-5A	ND<0.005	0.005	ND<0.005	0.005
73836-13	SS-192-5B	ND<0.005	0.005	ND<0.005	0.005
73836-14	SS-193-5C	ND<0.005	0.005	ND<0.005	0.005

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylene</u>	<u>MDL</u>
73836-7	SS-186-1B	ND<0.005	0.005	ND<0.005	0.005
73836-8	SS-187-1A	ND<0.005	0.005	ND<0.005	0.005
73836-9	SS-188-2A	ND<0.005	0.005	ND<0.005	0.005
73836-10	SS-189-3A	ND<0.005	0.005	ND<0.005	0.005
73836-11	SS-190-4A	ND<0.005	0.005	ND<0.005	0.005
73836-12	SS-191-5A	ND<0.005	0.005	ND<0.005	0.005
73836-13	SS-192-5B	ND<0.005	0.005	ND<0.005	0.005
73836-14	SS-193-5C	ND<0.005	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 106%
Spike Recovery for Toluene: 107%
Spike Recovery for Xylene: 100%

MDL: Method Detection Limit. Compound below this level would not be detected.

Page 2 of 2

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 08/27/92

Reported: 09/10/92

Job #: 73836

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street
Emeryville, CA 94608

Project: Yerba Buena, Emeryville, CA

#1649.07

Serial #9335

Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis

EPA Method 8020

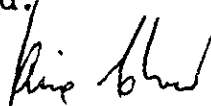
mg/Kg

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73836-1	SS-180-2C	ND<0.005	0.005	ND<0.005	0.005
73836-2	SS-181-3C	ND<0.005	0.005	ND<0.005	0.005
73836-3	SS-182-4C	ND<0.005	0.005	ND<0.005	0.005
73836-4	SS-183-4B	ND<0.005	0.005	ND<0.005	0.005
73836-5	SS-184-3B	ND<0.005	0.005	ND<0.005	0.005
73836-6	SS-185-2B	ND<0.005	0.005	ND<0.005	0.005

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylene</u>	<u>MDL</u>
73836-1	SS-180-2C	ND<0.005	0.005	ND<0.005	0.005
73836-2	SS-181-3C	ND<0.005	0.005	ND<0.005	0.005
73836-3	SS-182-4C	ND<0.005	0.005	ND<0.005	0.005
73836-4	SS-183-4B	ND<0.005	0.005	ND<0.005	0.005
73836-5	SS-184-3B	ND<0.005	0.005	ND<0.005	0.005
73836-6	SS-185-2B	ND<0.005	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 106%
Spike Recovery for Toluene: 107%
Spike Recovery for Xylene: 100%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

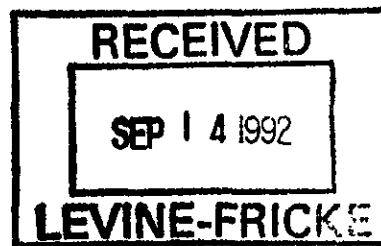
STATE LICENSE NO. 1150

Received: 08/27/92

Reported: 09/10/92

Job #: 73836

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street
Emeryville, CA 94608



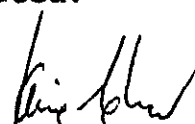
Project: Yerba Buena, Emeryville, CA
#1649.07
Serial #9335
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
EPA Method 5030
mg/Kg

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Gasoline</u>	<u>MDL</u>
73836-1	SS-180-2C	ND<1.0	1.0
73836-2	SS-181-3C	ND<1.0	1.0
73836-3	SS-182-4C	ND<1.0	1.0
73836-4	SS-183-4B	ND<1.0	1.0
73836-5	SS-184-3B	ND<1.0	1.0
73836-6	SS-185-2B	ND<1.0	1.0
73836-7	SS-186-1B	ND<1.0	1.0
73836-8	SS-187-1A	ND<1.0	1.0
73836-9	SS-188-2A	ND<1.0	1.0
73836-10	SS-189-3A	ND<1.0	1.0
73836-11	SS-190-4A	ND<1.0	1.0
73836-12	SS-191-5A	ND<1.0	1.0
73836-13	SS-192-5B	ND<1.0	1.0
73836-14	SS-193-5C	ND<1.0	1.0

QA/QC: Spike Recovery: 97%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

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CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07	Field Logbook No.:	Date: 8/24/92	Serial No.: 9333
Project Name: Yerba Buena - Ransome	Project Location: Emeryville, CA		

Sampler (Signature): <i>William Madson</i>				ANALYSES								Samplers: WEM
SAMPLES				EPA 601	EPA 624	5030 602 BTEX	HOLD	RUSH	REMARKS			
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE							
SS-165-5A	8/24/92			1	Soil		X				Standard TAT Results to Cindy Barclay	
SS-166-5A												
SS-167-6A												
SS-168-6A												
SS-169-7A												
SS-170-1D												
SS-171-1D												
SS-172-7D												
SS-173-												
SS-173-6D												
SS-174-5D												
SS-175-4D												
SS-176-1D												
SS-177-2D												
SS-178-3D												
SS-179-1C												

RELINQUISHED BY: (Signature) <i>William Madson</i>	DATE: 8/24/92	TIME: 17:10	RECEIVED BY: (Signature) <i>Jerie Le...</i>	DATE: 8/25/92	TIME: 8:00
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: <div style="font-size: 1.5em; font-family: cursive;">Precision Analytical</div>
--	---

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 08/25/92
Reported: 09/02/92
Job #: 73828

Attn: Cindy Barclay
Levine-Fricke

Project: Yerba Buena, Emeryville, CA
#1649.07
Serial #9333

Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab I.D., Client I.D., Benzene, MDL, Toluene, MDL. Rows 73828-7 to 73828-15.

Table with 6 columns: Lab I.D., Client I.D., Ethyl-benzene, MDL, Xylene, MDL. Rows 73828-7 to 73828-15.

QA/QC: Spike Recovery for Benzene: 116%
Spike Recovery for Toluene: 116%
Spike Recovery for Xylene: 107%

MDL: Method Detection Limit. Compound below this level would not be detected.

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (510) 222-3002 FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 08/25/92
Reported: 09/02/92
Job #: 73828

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street
Emeryville, CA 94608

Project: Yerba Buena, Emeryville, CA
#1649.07
Serial #9333

Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab I.D., Client I.D., Benzene, MDL, Toluene, MDL. Rows 1-6 showing analysis results for various samples.

Table with 6 columns: Lab I.D., Client I.D., Ethyl-benzene, MDL, Xylene, MDL. Rows 1-6 showing analysis results for various samples.

QA/QC: Spike Recovery for Benzene: 116%
Spike Recovery for Toluene: 116%
Spike Recovery for Xylene: 107%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 08/25/92

Reported: 09/02/92

Job #: 73828

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street
Emeryville, CA 94608

Project: Yerba Buena, Emeryville, CA
#1649.07
Serial #9333

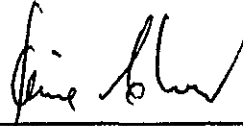
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
EPA Method 5030
mg/Kg

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Weathered Gasoline</u>	<u>MDL</u>
73828-1	SS-165-5A	ND<1.0	1.0
73828-2	SS-166-5A	ND<1.0	1.0
73828-3	SS-167-6A	ND<1.0	1.0
73828-4	SS-168-6A	1.4	1.0
73828-5	SS-169-7A	3.3	1.0
73828-6	SS-170-1D	ND<1.0	1.0
73828-7	SS-171-1D	1.3	1.0
73828-8	SS-172-7D	1.2	1.0
73828-9	SS-173-6D	1.3	1.0
73828-10	SS-174-5D	ND<1.0	1.0
73828-11	SS-175-4D	ND<1.0	1.0
73828-12	SS-176-1D	ND<1.0	1.0
73828-13	SS-177-2D	ND<1.0	1.0
73828-14	SS-178-3D	ND<1.0	1.0
73828-15	SS-179-1C	ND<1.0	1.0

QA/QC: Spike Recovery: 109%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY

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LEVINE-FRICKE

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

3/3

Project No.: 1649.07 Field Logbook No.: _____ Date: 8/20/92 Serial No.: 9329

Project Name: Yerba Buena - Ransome Project Location: Emeryville, CA

Sampler (Signature): William G. Gaudin ANALYSES: _____
 Hold: _____ Rush: _____

SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	ANALYSES		HOLD	RUSH	REMARKS
						EPA 601	EPA 624			
SS-161-6A	8/20/92			1	Soil		X			Standard TAT Results to Cindy Barclay
SS-162-8A				↓	↓		↓			
SS-163-6A				↓	↓		↓			
SS-164-7A				↓	↓		↓			
SS-158-8B	8/20/92			1	Soil		X			
SS-160-8A				1	↓		X			

RELINQUISHED BY: (Signature) <u>William G. Gaudin</u>	DATE <u>8/20/92</u>	TIME <u>18:25</u>	RECEIVED BY: (Signature) <u>William G. Gaudin</u>	DATE <u>8-20-92</u>	TIME <u>18:25</u>
RELINQUISHED BY: (Signature) <u>William G. Gaudin</u>	DATE <u>8-21-92</u>	TIME <u>8:45</u>	RECEIVED BY: (Signature) <u>Halwindz</u>	DATE <u>8/21/92</u>	TIME <u>8:45pm</u>
RELINQUISHED BY: (Signature) _____	DATE _____	TIME _____	RECEIVED BY: (Signature) _____	DATE _____	TIME _____
METHOD OF SHIPMENT: _____	DATE _____	TIME _____	LAB COMMENTS: _____		

Sample Collector: LEVINE-FRICKE
 1900 Powell Street, 12th Floor
 Emeryville, Ca 94608
 (415) 652-4500

Analytical Laboratory: Precision Analytical



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 08/21/92
Reported: 08/31/92
Job #: 73816

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street
Emeryville, CA 94608

Project: Yerba Buena, Emeryville, CA
#1649.07
Serial #9329
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab I.D., Client I.D., Benzene, MDL, Toluene, MDL. Rows 1-6 showing analysis results for various samples.

Table with 6 columns: Lab I.D., Client I.D., Ethyl-benzene, MDL, Xylene, MDL. Rows 1-6 showing analysis results for various samples.

QA/QC: Spike Recovery for Benzene: 99%
Spike Recovery for Toluene: 103%
Spike Recovery for Xylene: 103%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY

JC/td



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 08/21/92
Reported: 08/31/92
Job #: 73816

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street
Emeryville, CA 94608

Project: Yerba Buena, Emeryville, CA
#1649.07
Serial #9329
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
EPA Method 5030
mg/Kg

Table with 4 columns: Lab I.D., Client I.D., Gasoline, MDL. Rows 1-6 showing analysis results for various samples.

QA/QC: Spike Recovery: 116%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td

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LEVINE-FRICKE

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CALIFORNIA STATE CERTIFIED LABORATORY

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

13

Project No.: 1649.07 Field Logbook No.: Date: 8/20/92 Serial No.: 9327

Project Name: Yerba Buena - Ransome Project Location: Emeryville, CA

Sampler (Signature): William Madson ANALYSES Samplers: WEM, JTB

SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	ANALYSES					REMARKS
						EPA 601	EPA 624	5030 PMS BTEX	HOLD	RUSH	
SS-143-5C	8/20/92			1	Soil		X				Standard TAT Results to Cindy Burdley
SS-144-5C											
SS-145-5B											
SS-146-6C											
SS-147-5B											
SS-148-6C											
SS-149-6B											
SS-150-7C											
SS-151-6B											
SS-152-7C											
SS-153-7B							↓				
SS-154-7D									X		
SS-155-7B							X				
SS-156-8C											
SS-157-8C											
SS-159-8B											

RELINQUISHED BY: (Signature) <u>William Madson</u>	DATE <u>8/20/92</u>	TIME <u>18:25</u>	RECEIVED BY: (Signature) <u>William Madson</u>	DATE <u>8-20-92</u>	TIME <u>18:25</u>
RELINQUISHED BY: (Signature) <u>William Madson</u>	DATE <u>8-20-92</u>	TIME <u>8:45</u>	RECEIVED BY: (Signature) <u>Kirkwinick</u>	DATE <u>8-21-92</u>	TIME <u>8:45 AM</u>
RELINQUISHED BY: (Signature) _____	DATE _____	TIME _____	RECEIVED BY: (Signature) _____	DATE _____	TIME _____
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: LEVINE-FRICKE
1900 Powell Street, 12th Floor
Emeryville, Ca 94608
(415) 652-4500

Analytical Laboratory: Precision Analytical



CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 08/21/92
Reported: 08/31/92
Job #: 73814

Attn: Cindy Barclay
Levine-Fricke

Project: Yerba Buena, Emeryville, CA
#1649.07

Serial #9327

Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab I.D., Client I.D., Benzene, MDL, Toluene, MDL. Rows 73814-7 to 73814-16.

Table with 6 columns: Lab I.D., Client I.D., Ethyl-benzene, MDL, Xylene, MDL. Rows 73814-7 to 73814-16.

QA/QC: Spike Recovery for Benzene: 112%
Spike Recovery for Toluene: 116%
Spike Recovery for Xylene: 116%

MDL: Method Detection Limit. Compound below this level would not be detected.



CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 08/21/92
Reported: 08/31/92
Job #: 73814

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street
Emeryville, CA 94608

Project: Yerba Buena, Emeryville, CA
#1649.07
Serial #9327

Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

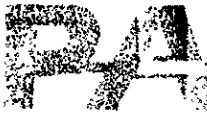
Table with 6 columns: Lab I.D., Client I.D., Benzene, MDL, Toluene, MDL. Rows 73814-1 to 73814-6.

Table with 6 columns: Lab I.D., Client I.D., Ethyl-benzene, MDL, Xylene, MDL. Rows 73814-1 to 73814-6.

QA/QC: Spike Recovery for Benzene: 112%
Spike Recovery for Toluene: 116%
Spike Recovery for Xylene: 116%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 08/21/92

Reported: 08/31/92

Job #: 73814

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street
Emeryville, CA 94608

Project: Yerba Buena, Emeryville, CA
#1649.07
Serial #9327

Matrix: Soil

Total Petroleum Hydrocarbon Analysis
EPA Method 5030
mg/Kg

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Weathered Gasoline</u>	<u>MDL</u>
73814-1	SS-143-5C	1.5	1.0
73814-2	SS-144-5C	ND<1.0	1.0
73814-3	SS-145-5B	1.8	1.0
73814-4	SS-146-6C	2.6	1.0
73814-5	SS-147-5B	1.9	1.0
73814-6	SS-148-6C	1.5	1.0
73814-7	SS-149-6B	ND<1.0	1.0
73814-8	SS-150-7C	2.3	1.0
73814-9	SS-151-6B	1.7	1.0
73814-10	SS-152-7C	ND<1.0	1.0
73814-11	SS-153-7B	1.4	1.0
73814-13	SS-155-7B	1.7	1.0
73814-14	SS-156-8C	1.0	1.0
73814-15	SS-157-8C	1.3	1.0
73814-16	SS-159-8B	ND<1.0	1.0

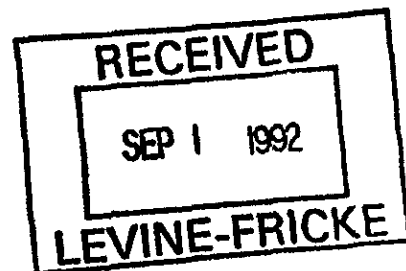
QA/QC: Spike Recovery: 113%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

JC/td

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OUTSTANDING QUALITY AND SERVICE
CALIFORNIA STATE CERTIFIED LABORATORY

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

1/3

Project No.: 1649.07 Field Logbook No.: Date: 8/20/92 Serial No.: 9328
 Project Name: Yerba Buena - Ransome Project Location: Emeryville, CA

Sampler (Signature): *William Head* ANALYSES Samplers: WFM, DJB

SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	ANALYSES				HOLD	RUSH	REMARKS
						EPA BOT	EPA SOLS	5020	95 BTEX			
SS-127-K	8/20/92			1	Soil			X				Standard TAT Results to Cindy Barelay
SS-128-1B												
SS-129-1B												
SS-130-1C												
SS-131-2C												
SS-132-2B												
SS-133-2C												
SS-134-2B												
SS-135-3C												
SS-136-3B												
SS-137-3C												
SS-138-3B												
SS-139-4C												
SS-140-4B												
SS-141-4C												
SS-142-4B												

RELINQUISHED BY: (Signature) <i>William Head</i>	DATE 8/20/92	TIME 18:25	RECEIVED BY: (Signature) <i>William Head</i>	DATE 8-20-92	TIME 18:25
RELINQUISHED BY: (Signature) <i>William Head</i>	DATE 8-21-92	TIME 8:45	RECEIVED BY: (Signature) <i>Kulwinder Sidha</i>	DATE 8-21-92	TIME 8:45
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: LEVINE-FRICKE
 1900 Powell Street, 12th Floor
 Emeryville, Ca 94608
 (415) 652-4500

Analytical Laboratory:
 Precision Analytical

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 08/21/92
 Reported: 09/02/92
 Job #: 73815
 Attn: Cindy Barclay
 Levine-Fricke

Project: Yerba Buena, Emeryville, CA
 #1649.07
 Serial #9327
 Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
 EPA Method 820

mg/Kg

Lab I.D.	Client I.D.	Benzene	MDL	Toluene	MDL
73815-13	SS-139-4C	ND<0.005	0.005	ND<0.005	0.005
73815-14	SS-140-4B	ND<0.005	0.005	ND<0.005	0.005
73815-15	SS-141-4C	ND<0.005	0.005	ND<0.005	0.005
73815-16	SS-142-4B	ND<0.005	0.005	ND<0.005	0.005

Lab I.D.	Client I.D.	Ethyl- benzene	MDL	Xylene	MDL
73815-13	SS-139-4C	ND<0.005	0.005	ND<0.005	0.005
73815-14	SS-140-4B	ND<0.005	0.005	ND<0.005	0.005
73815-15	SS-141-4C	ND<0.005	0.005	ND<0.005	0.005
73815-16	SS-142-4B	ND<0.005	0.005	0.006	0.005

QA/QC: Spike Recovery for Benzene: 110%
 Spike Recovery for Toluene: 114%
 Spike Recovery for Xylene: 113%

MDL: Method Detection Limit. Compound below this level would not be detected.

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 08/21/92
 Reported: 09/02/92
 Job #: 73815

Attn: Cindy Barclay
 Levine-Fricke

Project: Yerba Buena, Emeryville, CA
 #1649.07
 Serial #9327

Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
 EPA Method 8020
 mg/Kg

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73815-7	SS-133-2C	ND<0.005	0.005	ND<0.005	0.005
73815-8	SS-134-2B	ND<0.005	0.005	0.008*	0.005
73815-9	SS-135-3C	ND<0.005	0.005	ND<0.005	0.005
73815-10	SS-136-3B	ND<0.005	0.005	ND<0.005	0.005
73815-11	SS-137-3C	ND<0.005	0.005	ND<0.005	0.005
73815-12	SS-138-3B	ND<0.005	0.005	ND<0.005	0.005

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylene</u>	<u>MDL</u>
73815-7	SS-133-2C	ND<0.005	0.005	ND<0.005	0.005
73815-8	SS-134-2B	ND<0.005	0.005	0.009	0.005
73815-9	SS-135-3C	ND<0.005	0.005	ND<0.005	0.005
73815-10	SS-136-3B	ND<0.005	0.005	0.006*	0.005
73815-11	SS-137-3C	ND<0.005	0.005	ND<0.005	0.005
73815-12	SS-138-3B	ND<0.005	0.005	ND<0.005	0.005

* Confirmed by second column

QA/QC: Spike Recovery for Benzene: 110%
 Spike Recovery for Toluene: 114%
 Spike Recovery for Xylene: 113%

MDL: Method Detection Limit. Compound below this level would not be detected.

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 08/21/92
Reported: 09/02/92
Job #: 73815

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street
Emeryville, CA 94608

Project: Yerba Buena, Emeryville, CA
#1649.07
Serial #9327

Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab I.D., Client I.D., Benzene, MDL, Toluene, MDL. Rows 73815-1 to 73815-6.

Table with 6 columns: Lab I.D., Client I.D., Ethyl-benzene, MDL, Xylene, MDL. Rows 73815-1 to 73815-6.

* Confirmed by second column

QA/QC: Spike Recovery for Benzene: 110%
Spike Recovery for Toluene: 114%
Spike Recovery for Xylene: 113%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

JC/td

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 08/21/92

Reported: 09/02/92

Job #: 73815

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street
Emeryville, CA 94608

Project: Yerba Buena, Emeryville, CA
#1649.07
Serial #9328

Matrix: Soil

Total Petroleum Hydrocarbon Analysis
EPA Method 5030
mg/Kg

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Weathered Gasoline</u>	<u>MDL</u>
73815-1	SS-127-1C	1.7	1.0
73815-2	SS-128-1B	ND<1.0	1.0
73815-3	SS-129-1B	ND<1.0	1.0
73815-4	SS-130-1C	1.5	1.0
73815-5	SS-131-2C	2.2	1.0
73815-6	SS-132-2B	ND<1.0	1.0
73815-7	SS-133-2C	2.2	1.0
73815-8	SS-134-2B	ND<1.0	1.0
73815-9	SS-135-3C	1.3	1.0
73815-10	SS-136-3B	ND<1.0	1.0
73815-11	SS-137-3C	ND<1.0	1.0
73815-12	SS-138-3B	ND<1.0	1.0
73815-13	SS-139-4C	1.9	1.0
73815-14	SS-140-4B	ND<1.0	1.0
73815-15	SS-141-4C	ND<1.0	1.0
73815-16	SS-142-4B	4.8	1.0

QA/QC: Spike Recovery: 108%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaime Chow
Laboratory Director

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CALIFORNIA STATE CERTIFIED LABORATORY

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CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 08/19/92
 Reported: 08/28/92
 Job #: 73801

Attn: Cindy Barclay
 Levine-Fricke

Project: Yerba Buena
 Emeryville, CA
 #1649.07/Serial #9320

Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
 EPA Method 8020
 mg/Kg

Lab I.D.	Client I.D.	Benzene	MDL	Toluene	MDL
73801-7	SS-119-5D	ND<0.005	0.005	ND<0.005	0.005
73801-8	SS-120-4D	ND<0.005	0.005	ND<0.005	0.005
73801-9	SS-121-5D	ND<0.005	0.005	ND<0.005	0.005
73801-10	SS-122-3D	ND<0.005	0.005	ND<0.005	0.005
73801-11	SS-123-4D	ND<0.005	0.005	0.008	0.005
73801-12	SS-124-3D	ND<0.005	0.005	ND<0.005	0.005
73801-13	SS-125-2D	ND<0.005	0.005	ND<0.005	0.005
73801-14	SS-126-2D	ND<0.005	0.005	ND<0.005	0.005

Lab I.D.	Client I.D.	Ethyl-benzene	MDL	Xylene	MDL
73801-7	SS-119-5D	ND<0.005	0.005	ND<0.005	0.005
73801-8	SS-120-4D	ND<0.005	0.005	0.005	0.005
73801-9	SS-121-5D	ND<0.005	0.005	ND<0.005	0.005
73801-10	SS-122-3D	ND<0.005	0.005	ND<0.005	0.005
73801-11	SS-123-4D	ND<0.005	0.005	ND<0.005	0.005
73801-12	SS-124-3D	ND<0.005	0.005	ND<0.005	0.005
73801-13	SS-125-2D	ND<0.005	0.005	ND<0.005	0.005
73801-14	SS-126-2D	ND<0.005	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 85%
 Spike Recovery for Toluene: 86%
 Spike Recovery for Xylene: 86%

MDL: Method Detection Limit. Compound below this level would not be detected.

Precision Analytical

FORM NO. 86/COC/ARF

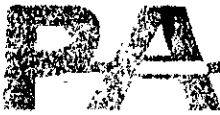
Field Copy (Pink)

File Copy (Yellow)

Lab Copy (Green)

Shipping Copy (White)

(415) 652-4500



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 08/19/92
Reported: 08/28/92
Job #: 73801

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena
Emeryville, CA
#1649.07/Serial #9320
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab I.D., Client I.D., Benzene, MDL, Toluene, MDL. Rows 73801-1 to 73801-6.

Table with 6 columns: Lab I.D., Client I.D., Ethylbenzene, MDL, Xylene, MDL. Rows 73801-1 to 73801-6.

QA/QC: Spike Recovery for Benzene: 85%
Spike Recovery for Toluene: 86%
Spike Recovery for Xylene: 86%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 08/19/92

Reported: 08/28/92

Job #: 73801

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street, 12th Floor
Emeryville, CA 94608

Project: Yerba Buena
Emeryville, CA
#1649.07/Serial #9320
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
EPA Method 5030
mg/Kg

Table with 4 columns: Lab I.D., Client I.D., Gasoline, MDL. Contains 14 rows of analysis data.

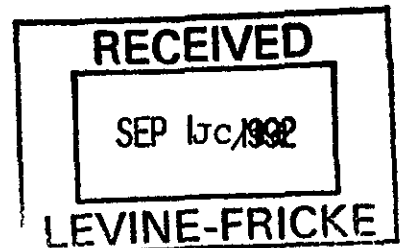
* Weathered gasoline

QA/QC: Spike Recovery: 102%

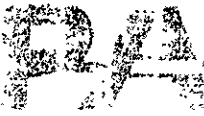
MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

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CALIFORNIA STATE CERTIFIED LABORATORY



Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (510) 222-3002 FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 08/10/92
Reported: 08/13/92
Job #: 73774

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street
Emeryville, CA 94608

Project: Yerba Buena, Emeryville, CA
1649.07
Matrix: Soil

Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

Table with 6 columns: Lab I.D., Client I.D., Benzene, MDL, Toluene, MDL. Rows 1-5 showing analysis results for various samples.

Table with 6 columns: Lab I.D., Client I.D., Ethylbenzene, MDL, Xylene, MDL. Rows 1-5 showing analysis results for various samples.

QA/QC: Spike Recovery for Benzene: 100%
Spike Recovery for Toluene: 99%
Spike Recovery for Xylene: 99%

MDL: Method Detection Limit. Compound below this level would not be detected.

Signature of Jaime Chow
Jaime Chow
Laboratory Director

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CALIFORNIA STATE CERTIFIED LABORATORY

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FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 08/10/92
Reported: 08/13/92
Job #: 73774

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street
Emeryville, CA 94608


Project: Yerba Buena, Emeryville, CA
#1649.07
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
EPA Method 5030
mg/Kg

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Gasoline</u>	<u>MDL</u>
73774-1	SS-108-8E	ND<1.0	1.0
73774-2	SS-109-1A	ND<1.0	1.0
73774-3	SS-110-6D	3.1	1.0
73774-4	SS-111-1A	ND<1.0	1.0
73774-5	SS-112-4C	9.4	1.0

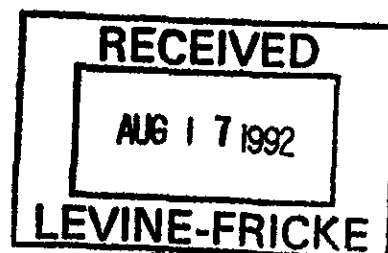
QA/QC: Spike Recovery: 109%

MDL: Method Detection Limit. Compound below this level would not be detected.



Jaime Chow
Laboratory Director

JC/td



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CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07	Field Logbook No.:	Date: 7/21/92	Serial No.: 9371
Project Name: Yerba Buena-Ransome	Project Location: Emeryville		

Sampler (Signature): *William Proctor* ANALYSES Samplers: **WEA**

SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CONTAINERS	SAMPLE TYPE	ANALYSES						HOLD	RUSH	REMARKS
						EPA-606	EPA-624	EPA-5030 GAS BTEX						
SS-104-2E	7/21/92			1	Soil		X							Standard TAT
SS-105-2D				↓	↓						X			Results to Cindy Barclay
SS-106-1D				↓	↓		X							
SS-107-1E				↓	↓		X							

RELINQUISHED BY: (Signature) <i>William Proctor</i>	DATE 7/21/92	TIME 11:25A	RECEIVED BY: (Signature) <i>Jeffrey T. Johnson</i>	DATE 7/21/92	TIME 11:25A
RELINQUISHED BY: (Signature) <i>Jeffrey Johnson</i>	DATE 7/21/92	TIME 2:20	RECEIVED BY: (Signature) <i>Karlwinden Sidhu</i>	DATE 7-21-92	TIME 2:20pm
RELINQUISHED BY: (Signature)	DATE	TIME	RECEIVED BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:	DATE	TIME	LAB COMMENTS:		

Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500	Analytical Laboratory: <i>Precision Analytical</i>
---	--

Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806

PHONE (510) 222-3002

FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 07/21/92

Reported: 08/03/92

Job #: 73723

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street
Emeryville, CA 94608

Project: Yerba Buena
Emeryville, CA
1649.07

Matrix: Soil

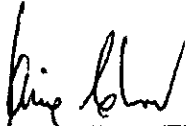
Aromatic Volatile Hydrocarbon Analysis
EPA Method 8020
mg/Kg

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Benzene</u>	<u>MDL</u>	<u>Toluene</u>	<u>MDL</u>
73723-1	SS-104-2E	ND<0.005	0.005	ND<0.005	0.005
73723-2	SS-105-2D	ND<0.005	0.005	ND<0.005	0.005
73723-3	SS-106-1D	ND<0.005	0.005	ND<0.005	0.005
73723-4	SS-107-1E	ND<0.005	0.005	ND<0.005	0.005

<u>Lab I.D.</u>	<u>Client I.D.</u>	<u>Ethyl- benzene</u>	<u>MDL</u>	<u>Xylene</u>	<u>MDL</u>
73723-1	SS-104-2E	ND<0.005	0.005	ND<0.005	0.005
73723-2	SS-105-2D	ND<0.005	0.005	0.009	0.005
73723-3	SS-106-1D	ND<0.005	0.005	ND<0.005	0.005
73723-4	SS-107-1E	ND<0.005	0.005	ND<0.005	0.005

QA/QC: Spike Recovery for Benzene: 98%
Spike Recovery for Toluene: 101%
Spike Recovery for Xylene: 90%

MDL: Method Detection Limit. Compound below this level would not be detected.


Jaime Chow
Laboratory Director

JC/td

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Precision Analytical Laboratory, Inc.

4136 LAKESIDE DRIVE, RICHMOND, CA 94806 PHONE (510) 222-3002 FAX (510) 222-1251

CERTIFICATE OF ANALYSIS

STATE LICENSE NO. 1150

Received: 07/21/92
Reported: 08/03/92
Job #: 73723

Attn: Cindy Barclay
Levine-Fricke
1900 Powell Street
Emeryville, CA 94608

Project: Yerba Buena
Emeryville, CA
#1649.07
Matrix: Soil

Total Petroleum Hydrocarbon Analysis
EPA Method 5030
mg/Kg

Lab I.D.	Client I.D.	Gasoline	MDL
73723-1	SS-104-2E	ND<1.0	1.0
73723-2	SS-105-2D	2.6 *	1.0
73723-3	SS-106-1D	ND<1.0	1.0
73723-4	SS-107-1E	ND<1.0	1.0

* Weathered gasoline

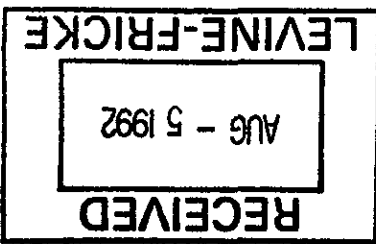
QA/QC: Spike Recovery: 101%

MDL: Method Detection Limit. Compound below this level would not be detected.

Jaimie Chow
Laboratory Director

JC/td

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CALIFORNIA STATE CERTIFIED LABORATORY

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: 1649.07		Field Logbook No.:		Date: 7/24/92		Serial No.: 9370					
Project Name: Yerby Buena - Bausome		Project Location: Emeryville									
Sampler (Signature): <i>William Graham</i>				ANALYSES		Samplers: WEM					
SAMPLES											
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA 601	EPA 624	EPA 5030 GAS INDEX	HOLD	RUSH	REMARKS
SS-88-5A	7/24/92			1	Soil		X				Standard TAT Results to Cindy Barclay
SS-89-5B											
SS-90-5C											
SS-91-5D											
SS-92-6A											
SS-93-6C											
SS-94-6C											
SS-95-6C											
SS-96-7C											
SS-97-6C											
SS-98-5D											
SS-99-5E											
SS-100-4E											
SS-101-4D	✓										
SS-102-3D	7/21/92										
SS-103-2E	✓										
RELINQUISHED BY: (Signature) <i>William Graham</i>		DATE	TIME	RECEIVED BY: (Signature) <i>Jeffrey Johnson</i>		DATE	TIME				
RELINQUISHED BY: (Signature) <i>Jeffrey Johnson</i>		DATE	TIME	RECEIVED BY: (Signature) <i>Kulsiad Sidhu</i>		DATE	TIME				
RELINQUISHED BY: (Signature)		DATE	TIME	RECEIVED BY: (Signature)		DATE	TIME				
METHOD OF SHIPMENT:		DATE	TIME	LAB COMMENTS:							
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500				Analytical Laboratory: <i>Precision Analytical</i>							

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

2/2

Project No.: 1649.07				Field Logbook No.:				Date: 8/28/92		Serial No.: 9501	
Project Name: Verba Buena-Rancho				Project Location: Emeryville, CA							
Sampler (Signature): <i>[Signature]</i>				ANALYSES				Samplers: WEM			
SAMPLES				HOLD				RUSH			
REMARKS				EPA 601				EPA 624			
REMARKS				5070				8/28/92			
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE						
SS-210-3C	8/28/92			1	Soil			X			Standard TAT
SS-211-5C											Results to Cindy
SS-212-5B											Barclay
SS-213-3B											
SS-214-5A											
SS-215-3A											
SS-216-6A											
SS-217-6B											
SS-218-6C											
RELINQUISHED BY: <i>[Signature]</i>				DATE	TIME	RECEIVED BY: <i>[Signature]</i>				DATE	TIME
RELINQUISHED BY: <i>[Signature]</i>				8/28/92	15:40	RECEIVED BY: <i>[Signature]</i>				8/28/92	15:40
RELINQUISHED BY: <i>[Signature]</i>				8/28/92	4:00	RECEIVED BY: <i>[Signature]</i>				8/28/92	4:00
METHOD OF SHIPMENT:				DATE	TIME	RECEIVED BY: <i>[Signature]</i>				DATE	TIME
METHOD OF SHIPMENT:						LAB COMMENTS:					
Sample Collector: LEVINE-FRICKE 1900 Powell Street, 12th Floor Emeryville, Ca 94608 (415) 652-4500				Analytical Laboratory: <i>Precision Analytical</i>							

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Lab Copy (Green)

File Copy (Yellow)

Field Copy (Pink)

FORM NO. 86/COC/ARF