

CONSOLIDATED TESTING LABORATORIES, INC.

5378-1 to 24

SOILS INVESTIGATIONS

SOILS AND MATERIALS TESTING

FIELD INSPECTION

CHAIN OF CUSTODY RECORD

John #3

PROJECT NO. 1875-90

PROJECT LOCATION British Petroleum (EZ Serve) 5225 W. "A" St. Hayward, CA

TRANSPORTED BY Truck

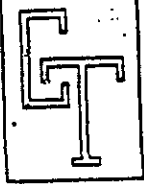
COMMENTS 48 HOUR RUSH *A VERY STRONG PETROLEUM ODOOR & OCCASIONAL PETROLEUM COLOR NOTICED IN ALL SAMPLES W/ THE EXCEPTION OF SAMPLES # 7 & # 21 HAD (A FAINT PETRO. ODOOR)*

COLLECTOR'S SAMPLE #	THERMOMETER TEMP. READING BEFORE SAMPLING	DEPTH OF SAMPLE BELOW EXIST. GRADE	DEPTH TO BOTTOM OF TANK/PIPELINE BELOW EXIST. GRADE	ANALYSIS REQUIRED	DATE/TIME SAMPLED (P.M.)
1	33°	15 1/2'	12 1/2'	EPA DHS 5030/8020 BTXEE & TPH GAS	6-15-90/6:25
2	33°	19'	12 1/2'	" " "	" / 6:38
3	33°	15 1/2'	12 1/2'	" " "	" / 6:44
4	33°	19'	12 1/2'	" " "	" / 6:48
5	33°	15 1/2'	12 1/2'	" " "	" / 6:54
6	33°	15 1/2'	12 1/2'	" " "	" / 7:02
7	33°	19'	12 1/2'	" " "	" / 7:10
8	34°	23'	12 1/2'	" " "	" / 7:23
9	34°	14 1/2'	12 1/2'	" " "	" / 7:27
10	34°	26'	12 1/2'	" " "	" / 7:37
11	34°	14 1/2'	12 1/2'	" " "	" / 7:41
12	34°	21'	12 1/2'	" " "	" / 7:45
13	34°	14 1/2'	12 1/2'	EPA DHS 3550/8020 BTXEE & TPH (Diesel)	6-15-90/7:48

CHAIN OF POSSESSION

1. *John P. ...* CONSOLIDATED TESTING LABS., INC. 6-15-90/6:25
 SAMPLE COLLECTED BY AFFILIATION DATE/TIME
2. *Samir Hein* *BC Labs* 6/15/90 @ 10:4
 SAMPLE RECEIVED BY AFFILIATION DATE/TIME
3. _____ _____ _____
 SAMPLE RECEIVED BY AFFILIATION DATE/TIME

TEMP. OF ICE CHEST AT LAB. 32°



CONSOLIDATED TESTING LABORATORIES, INC.

5378-1 TO 24

SOILS INVESTIGATIONS

SOILS AND MATERIALS TESTING

FIELD INSPECTION

CHAIN OF CUSTODY RECORD

PROJECT NO. 1875-90

PROJECT LOCATION British Petroleum (EZ Serve) 5225 W. "A" St. Hayward, CA

TRANSPORTED BY Truck

COMMENTS 48 HOUR RUSH

COLLECTOR'S SAMPLE #	THERMOMETER TEMP. READING BEFORE SAMPLING	DEPTH OF SAMPLE BELOW EXIST. GRADE	DEPTH TO BOTTOM OF TANK/PIPELINE BELOW EXIST. GRADE	ANALYSIS REQUIRED	DATE/TIME SAMPLED
14	34°	1'	—	BTX & E & TPH GAS/DIESEL	6-15-90 / 7:50 AM
15	34°	1'	—	" " " / "	" / 7:54
16	34°	20'	12 1/2'	EPA DHS 3550/8020 BTX & E & TPH (DIESEL)	" / 7:55
17	34°	1'	—	BTX & E & TPH GAS/DIESEL	" / 7:59
18	34°	14 1/2'	12 1/2'	BTX & E & TPH (DIESEL)	" / 8:01
19	34°	1'	—	BTX & E & TPH GAS/DIESEL	" / 8:02
20	35°	1'	—	" " " / "	" / 8:05
21	35°	22'	12 1/2'	EPA DHS 3550/8020 BTX & E & TPH (DIESEL)	" / 8:09
22	35°	2'	—	BTX & E & TPH GAS/DIESEL	" / 8:12
23	35°	2'	—	" " " / "	" / 8:14
24	35°	2'	—	" " " / "	" / 8:16

CHAIN OF POSSESSION

1. Sal V. Espinosa CONSOLIDATED TESTING LABS., INC. 6-15-90 / 7:50
 SAMPLE COLLECTED BY AFFILIATION DATE/TIME
2. Steve Nevin BC Labs 6/18/90 @ 10:4
 SAMPLE RECEIVED BY AFFILIATION DATE/TIME
3. _____ _____ _____
 SAMPLE RECEIVED BY AFFILIATION DATE/TIME

TEMP. OF ICE CHEST AT LAB. 320

ENVIRONMENTAL
CHEMICAL ANALYSIS
PETROLEUM

BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Purgeable Aromatics
(SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of
Report: 21-Jun-90

Lab No.: 5378-1
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#1, 33 F, 15.5' 6/15/90 @ 6:25

Date Sample
Collected:
15-Jun-90

Date Sample
Received @ Lab:
18-Jun-90

Date Analysis
Completed:
19-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	9.7	4
Toluene	ug/g	23	4
Ethyl Benzene	ug/g	26	4
p-Xylene	ug/g	20	4
m-Xylene	ug/g	46	4
o-Xylene	ug/g	24	4
Total Petroleum Hydrocarbons (Gasoline)	ug/g	1,400	40

TEST METHOD: TPH by D.O.H.S. L.U.F.T. method.
Individual constituents by EPA method 5030/8020.

As Received Basis

Comments:

BY

J. J. Eglin
J. J. Eglin

Joseph Balla
Analyst

ENVIRONMENTAL
CHEMICAL ANALYSIS
PETROLEUM



BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Purgeable Aromatics (SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of
Report: 21-Jun-90

Lab No.: 5378-2
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#2, 33 F, 19' 6/15/90 @ 6:38

Date Sample
Collected:
15-Jun-90

Date Sample
Received @ Lab:
18-Jun-90

Date Analysis
Completed:
19-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	0.16	0.2
Toluene	ug/g	0.33	0.2
Ethyl Benzene	ug/g	0.27	0.2
p-Xylene	ug/g	0.32	0.2
m-Xylene	ug/g	0.62	0.2
o-Xylene	ug/g	0.44	0.2
Total Petroleum Hydrocarbons (Gasoline)	ug/g	22	2

TEST METHOD: TPH by D.O.H.S. L.U.F.T. method.
Individual constituents by EPA method 5030/8020.

As Received Basis

Comments:

By

J. J. Eglin
J. J. Eglin

Joseph Ballo
Analyst

ENVIRONMENTAL

CHEMICAL ANALYSIS

PETROLEUM

BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Purgeable Aromatics
(SOIL)Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David HarrisDate of
Report: 21-Jun-90Lab No.: 5378-3
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#3, 33 F, 15.5' 6/15/90 @ 6:44Date Sample
Collected:
15-Jun-90Date Sample
Received @ Lab:
18-Jun-90Date Analysis
Completed:
19-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	0.62	0.6
Toluene	ug/g	1.2	0.6
Ethyl Benzene	ug/g	2.9	0.6
p-Xylene	ug/g	3.7	0.6
m-Xylene	ug/g	8.9	0.6
o-Xylene	ug/g	5.9	0.6
Total Petroleum Hydrocarbons (Gasoline)	ug/g	170	6

TEST METHOD: TPH by D.O.H.S. L.U.F.T. method.
Individual constituents by EPA method 5030/8020.

As Received Basis

Comments:

BY

J. J. Eglin
J. J. Eglin*Joseph Balla*
Analyst

ENVIRONMENTAL
CHEMICAL ANALYSIS
PETROLEUM



BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Purgeable Aromatics (SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of
Report: 21-Jun-90

Lab No.: 5378-4
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#4, 33 F, 17' 6/15/90 @ 6:48

Date Sample
Collected:
15-Jun-90

Date Sample
Received @ Lab:
18-Jun-90

Date Analysis
Completed:
19-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	0.051	0.005
Toluene	ug/g	0.030	0.005
Ethyl Benzene	ug/g	0.021	0.005
p-Xylene	ug/g	0.048	0.005
m-Xylene	ug/g	0.033	0.005
o-Xylene	ug/g	0.026	0.005
Total Petroleum Hydrocarbons (Gasoline)	ug/g	1.4	0.05

TEST METHOD: TPH by D.O.H.S. L.U.F.T. method.
Individual constituents by EPA method 5030/8020.

As Received Basis

Comments:

BY

J. J. Eglin
J. J. Eglin

Joseph Ball
Analyst

ENVIRONMENTAL
CHEMICAL ANALYSIS
PETROLEUM



LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Purgeable Aromatics (SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of
Report: 21-Jun-90

Lab No.: 5378-5
Sample Desc: #1875-90 British Petroleum (E2 Serve)
#5, 33 F, 15.5' 6/15/90 @ 6:54

Date Sample
Collected:
15-Jun-90

Date Sample
Received @ Lab:
18-Jun-90

Date Analysis
Completed:
19-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	2.7	3
Toluene	ug/g	12	3
Ethyl Benzene	ug/g	5.0	3
p-Xylene	ug/g	4.8	3
m-Xylene	ug/g	12	3
o-Xylene	ug/g	7.1	3
Total Petroleum Hydrocarbons (Gasoline)	ug/g	180	30

TEST METHOD: TPH by D.O.H.S. L.U.F.T. method.
Individual constituents by EPA method 5030/8020.

As Received Basis

Comments:

By J. J. Eglin

Joseph Balla
Analyst

ENVIRONMENTAL
CHEMICAL ANALYSIS
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Purgeable Aromatics (SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of Report: 21-Jun-90

Lab No.: 5378-G
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#6, 33 F, 15.5' 6/15/90 @ 7:02

Date Sample Collected:
15-Jun-90

Date Sample Received @ Lab:
18-Jun-90

Date Analysis Completed:
19-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	1.1	0.5
Toluene	ug/g	3.0	0.5
Ethyl Benzene	ug/g	4.0	0.5
p-Xylene	ug/g	5.6	0.5
m-Xylene	ug/g	14	0.5
o-Xylene	ug/g	8.4	0.5
Total Petroleum Hydrocarbons (Gasoline)	ug/g	240	5

TEST METHOD: TPH by D.O.H.S. L.U.F.T. method.
Individual constituents by EPA method 5030/8020.

As Received Basis

Comments:

By J. J. Eglin
J. J. Eglin

Joseph Ballo
Analyst

ENVIRONMENTAL
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LABORATORIES, INC.

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Purgeable Aromatics (SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of Report: 21-Jun-90

Lab No.: 5378-7
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#7, 33 F, 19' 6/15/90 @ 7:10

Date Sample Collected:
15-Jun-90

Date Sample Received @ Lab:
18-Jun-90

Date Analysis Completed:
19-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	0.20	0.2
Toluene	ug/g	0.13	0.2
Ethyl Benzene	ug/g	0.20	0.2
p-Xylene	ug/g	3.3	0.2
m-Xylene	ug/g	0.55	0.2
o-Xylene	ug/g	0.28	0.2
Total Petroleum Hydrocarbons (Gasoline)	ug/g	15	2

TEST METHOD: TPH by D.O.H.S. L.U.F.T. method.
Individual constituents by EPA method 5030/8020.

As Received Basis

Comments:

By

J. J. Eglin
J. J. Eglin

Joseph Ballo
Analyst

ENVIRONMENTAL
CHEMICAL ANALYSIS
PETROLEUM



LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Purgeable Aromatics
(SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of
Report: 21-Jun-90

Lab No.: 5378-8
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#8, 34 F, 23' 6/15/90 @ 7:23

Date Sample
Collected:
15-Jun-90

Date Sample
Received @ Lab:
18-Jun-90

Date Analysis
Completed:
19-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	0.85	0.5
Toluene	ug/g	2.8	0.5
Ethyl Benzene	ug/g	2.3	0.5
p-Xylene	ug/g	2.1	0.5
m-Xylene	ug/g	5.4	0.5
o-Xylene	ug/g	3.2	0.5
Total Petroleum Hydrocarbons (Gasoline)	ug/g	83	5

TEST METHOD: TPH by D.O.H.S. L.U.F.T. method.
Individual constituents by EPA method 5030/8020.

As Received Basis

Comments:

By J. J. Eglin
J. J. Eglin

Joseph Balle
Analyst

ENVIRONMENTAL
CHEMICAL ANALYSIS
PETROLEUM

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LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Purgeable Aromatics
(SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of
Report: 21-Jun-90

Lab No.: 5378-9
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#9, 34 F, 14.5' 6/15/90 @ 7:27

Date Sample
Collected:
15-Jun-90

Date Sample
Received @ Lab:
18-Jun-90

Date Analysis
Completed:
19-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	1.6	2
Toluene	ug/g	6.6	2
Ethyl Benzene	ug/g	10	2
p-Xylene	ug/g	9.3	2
m-Xylene	ug/g	25	2
o-Xylene	ug/g	18	2
Total Petroleum Hydrocarbons (Gasoline)	ug/g	490	20

TEST METHOD: TPH by D.O.H.S. L.U.F.T. method.
Individual constituents by EPA method 5030/8020.

As Received Basis

Comments:

BY

J. J. Eglin
J. J. Eglin

Joseph Ballo
Analyst

ENVIRONMENTAL
CHEMICAL ANALYSIS
PETROLEUM

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LABORATORIES, INC.

J. J. EGLIN, REG. CHEM ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Purgeable Aromatics (SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of
Report: 21-Jun-90

Lab No.: 5378-10
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#10, 34 F, 26' 6/15/90 @ 7:37

Date Sample
Collected:
15-Jun-90

Date Sample
Received @ Lab:
18-Jun-90

Date Analysis
Completed:
19-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	4.4	2
Toluene	ug/g	17	2
Ethyl Benzene	ug/g	11	2
p-Xylene	ug/g	9.7	2
m-Xylene	ug/g	24	2
o-Xylene	ug/g	13	2
Total Petroleum Hydrocarbons (Gasoline)	ug/g	440	20

TEST METHOD: TPH by D.O.H.S. L.U.F.T. method.
Individual constituents by EPA method 5030/8020.

As Received Basis

Comments:

By

J. J. Eglin
J. J. Eglin

Joseph Ballo
Analyst

ENVIRONMENTAL
CHEMICAL ANALYSIS
PETROLEUM



LABORATORIES, INC.

J. J. EGLIN, RFG CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Purgeable Aromatics
(SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of
Report: 21-Jun-90

Lab No.: 5378-11
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#11, 34 F, 14.5' 6/15/90 @ 7:41

Date Sample
Collected:
15-Jun-90

Date Sample
Received @ Lab:
18-Jun-90

Date Analysis
Completed:
19-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	0.0050	0.005
Toluene	ug/g	0.015	0.005
Ethyl Benzene	ug/g	0.032	0.005
p-Xylene	ug/g	0.037	0.005
m-Xylene	ug/g	0.036	0.005
o-Xylene	ug/g	0.045	0.005
Total Petroleum Hydrocarbons (Gasoline)	ug/g	9.8	0.05

TEST METHOD: TPH by D.O.H.S. L.U.F.T. method.
Individual constituents by EPA method 5030/8020.

As Received Basis

Comments:

By

J. J. Eglin
J. J. Eglin

Joseph Balla
Analyst

ENVIRONMENTAL

CHEMICAL ANALYSIS

PETROLEUM

BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Purgeable Aromatics
(SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of
Report: 21-Jun-90

Lab No.: 5378-12
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#12, 34 F, 21' 6/15/90 @ 7:45

Date Sample
Collected:
15-Jun-90

Date Sample
Received @ Lab:
18-Jun-90

Date Analysis
Completed:
19-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	0.54	0.005
Toluene	ug/g	0.68	0.005
Ethyl Benzene	ug/g	0.36	0.005
p-Xylene	ug/g	0.33	0.005
m-Xylene	ug/g	0.74	0.005
o-Xylene	ug/g	0.49	0.005
Total Petroleum Hydrocarbons (Gasoline)	ug/g	61	0.05

TEST METHOD: TPH by D.O.H.S. L.U.F.T. method.
Individual constituents by EPA method 5030/8020.

As Received Basis

Comments:

By

J. J. Eglin
J. J. Eglin

Joseph Balla
Analyst

ENVIRONMENTAL
CHEMICAL ANALYSIS
PETROLEUM



BC

LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Petroleum Hydrocarbons (SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention:

Date of
Report: 21-Jun-90

Lab No.: 5378-13
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#13, 34 F, 14.5' 6/15/90 @ 7:48

Date Sample Collected:	Date Sample Received @ Lab:	Date Sample Extracted:	Date Analysis Completed:
15-Jun-90	18-Jun-90	28-Jun-90	20-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	0.12	0.005
Toluene	ug/g	0.052	0.005
Ethyl Benzene	ug/g	0.056	0.005
p-Xylene	ug/g	0.11	0.005
m-Xylene	ug/g	0.12	0.005
o-Xylene	ug/g	0.076	0.005
Total Pet. Hydrocarbons (Diesel)	ug/g	13	.5

TEST METHOD: TPH by D.O.H.S. / L.U.F.T Manual Method.
Individual constituents by EPA Method 5030/8020.

As Received Basis

Comments:

California D.O.H.S. Cert. #102

By

J. J. Eglin
J. J. Eglin

Stephen D. Boyle
Analyst

ENVIRONMENTAL
CHEMICAL ANALYSIS
PETROLEUM



LABORATORIES, INC.

J J EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Petroleum Hydrocarbons
(SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of Report: 21-Jun-90

Lab No.: 5378-14
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#14, 34 F, 1' 6/15/90 @ 7:50

Date Sample Collected:	Date Sample Received @ Lab:	Date Sample Extracted:	Date Analysis Completed:
15-Jun-90	18-Jun-90	18-Jun-90	20-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Total Pet. Hydrocarbons (Diesel)	ug/g	320	100

TEST METHOD: TPH by D.O.H.S. / L.U.F.T Manual Method.

As Received Basis

Comments:

California D.O.H.S. Cert. #102

By J. J. Eglin
J. J. Eglin

Stephen D. Bungle
Analyst

ENVIRONMENTAL
CHEMICAL ANALYSIS
PETROLEUM



LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Purgeable Aromatics
(SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of Report: 21-Jun-90

Lab No.: 5378-14
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#14, 34 F, 1' 6/15/90 @ 7:50

Date Sample Collected:
15-Jun-90

Date Sample Received @ Lab:
18-Jun-90

Date Analysis Completed:
19-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	none detected	1
Toluene	ug/g	1.8	1
Ethyl Benzene	ug/g	none detected	1
p-Xylene	ug/g	2.9	1
m-Xylene	ug/g	7.4	1
o-Xylene	ug/g	5.6	1
Total Petroleum Hydrocarbons (Gasoline)	ug/g	550	10

TEST METHOD: TPH by D.O.H.S. L.U.F.T. method.
Individual constituents by EPA method 5030/8020.

As Received Basis

Comments:

BY J. J. Eglin
J. J. Eglin

Joseph Balls
Analyst

ENVIRONMENTAL
CHEMICAL ANALYSIS
PETROLEUM



LABORATORIES, INC.

J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Petroleum Hydrocarbons (SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of
Report: 21-Jun-90

Lab No.: 5378-15
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#15, 34 F, 1' 6/15/90 @ 7:54

Date Sample Collected:	Date Sample Received @ Lab:	Date Sample Extracted:	Date Analysis Completed:
15-Jun-90	18-Jun-90	18-Jun-90	20-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Total Pet. Hydrocarbons (Diesel)	ug/g	84	10

TEST METHOD: TPH by D.O.H.S. / L.U.F.T Manual Method.

As Received Basis

Comments:

California D.O.H.S. Cert. #102

By

J. J. Eglin
J. J. Eglin

Stephen D. Boyle
Analyst

ENVIRONMENTAL
CHEMICAL ANALYSIS
PETROLEUM



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J. J. EGLIN, REG. CHEM. ENGR.

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Purgeable Aromatics
(SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of
Report: 21-Jun-90

Lab No.: 5378-15
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#15, 34 F, 20' 6/15/90 @ 7:56

Date Sample
Collected:
15-Jun-90

Date Sample
Received @ Lab:
18-Jun-90

Date Analysis
Completed:
19-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	none detected	0.1
Toluene	ug/g	0.11	0.1
Ethyl Benzene	ug/g	none detected	0.1
p-Xylene	ug/g	0.41	0.1
m-Xylene	ug/g	0.89	0.1
o-Xylene	ug/g	0.94	0.1
Total Petroleum Hydrocarbons (Gasoline)	ug/g	91	1

TEST METHOD: TPH by D.O.H.S. L.U.F.T. method.
Individual constituents by EPA method 5030/8020.

As Received Basis

Comments:

BY

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J. J. Eglin

Joseph Ballo
Analyst

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Petroleum Hydrocarbons
(SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention:

Date of Report: 21-Jun-90

Lab No.: 5378-16
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#16, 34 F, 20' 6/15/90 @ 7:56

Date Sample Collected:	Date Sample Received @ Lab:	Date Sample Extracted:	Date Analysis Completed:
15-Jun-90	18-Jun-90	28-Jun-90	20-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	0.82	0.005
Toluene	ug/g	1.4	0.005
Ethyl Benzene	ug/g	1.4	0.005
p-Xylene	ug/g	1.3	0.005
m-Xylene	ug/g	3.4	0.005
o-Xylene	ug/g	2.1	0.005
Total Pet. Hydrocarbons (Diesel)	ug/g	34	5

TEST METHOD: TPH by D.O.H.S. / L.U.F.T Manual Method.
Individual constituents by EPA Method 5030/8020.

As Received Basis

Comments:

California D.O.H.S. Cert. #102

By J. J. Eglin
J. J. Eglin

Stephen D. Boyle
Analyst

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4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Petroleum Hydrocarbons (SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of Report: 21-Jun-90

Lab No.: 5378-17
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#17, 34 F, 1' 6/15/90 @ 7:59

Date Sample Collected:	Date Sample Received @ Lab:	Date Sample Extracted:	Date Analysis Completed:
15-Jun-90	18-Jun-90	18-Jun-90	20-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Total Pet. Hydrocarbons (Diesel)	ug/g	79	10

TEST METHOD: TPH by D.O.H.S. / L.U.F.T Manual Method.

As Received Basis

Comments:

California D.O.H.S. Cert. #102

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Purgeable Aromatics (SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of
Report: 21-Jun-90

Lab No.: 5378-17
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#17, 34 F, 1' 6/15/90 @ 7:58

Date Sample
Collected:
15-Jun-90

Date Sample
Received @ Lab:
18-Jun-90

Date Analysis
Completed:
19-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	none detected	0.4
Toluene	ug/g	0.46	0.4
Ethyl Benzene	ug/g	0.52	0.4
p-Xylene	ug/g	1.7	0.4
m-Xylene	ug/g	4.3	0.4
o-Xylene	ug/g	2.9	0.4
Total Petroleum Hydrocarbons (Gasoline)	ug/g	160	4

TEST METHOD: TPH by D.O.H.S. L.U.F.T. method.
Individual constituents by EPA method 5030/8020.

As Received Basis

Comments:

By

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J. J. Eglin

Joseph Balla
Analyst

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Petroleum Hydrocarbons
(SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention:

Date of
Report: 21-Jun-90

Lab No.: 5378-18
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#18, 34 F, 14.5' 6/15/90 @ 8:01

Date Sample
Collected:
15-Jun-90

Date Sample
Received @ Lab:
18-Jun-90

Date Sample
Extracted:
28-Jun-90

Date Analysis
Completed:
20-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	1.2	0.005
Toluene	ug/g	0.55	0.005
Ethyl Benzene	ug/g	13	0.005
p-Xylene	ug/g	16	0.005
m-Xylene	ug/g	18	0.005
o-Xylene	ug/g	2.2	0.005
Total Pet. Hydrocarbons (Diesel)	ug/g	32	5

TEST METHOD: TPH by D.O.H.S. / L.U.F.T Manual Method.
Individual constituents by EPA Method 5030/8020.

As Received Basis

Comments:

California D.O.H.S. Cert. #102

By

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Petroleum Hydrocarbons (SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of Report: 21-Jun-90

Lab No.: 5378-19
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#19, 34 F, 1' 6/15/90 @ 8:03

Date Sample Collected:	Date Sample Received @ Lab:	Date Sample Extracted:	Date Analysis Completed:
15-Jun-90	18-Jun-90	18-Jun-90	20-Jun-90
Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Total Pet. Hydrocarbons (Diesel)	ug/g	85	10

TEST METHOD: TPH by D.O.H.S. / L.U.F.T Manual Method.

As Received Basis

Comments:

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BY J. J. Eglin
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Stephen D. Boyle
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Purgeable Aromatics (SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of
Report: 21-Jun-90

Lab No.: 5378-19
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#19, 34 F, 1 $\frac{1}{2}$ ' 6/15/90 @ 8:03

Date Sample
Collected:
15-Jun-90

Date Sample
Received @ Lab:
18-Jun-90

Date Analysis
Completed:
19-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	none detected	0.005
Toluene	ug/g	0.022	0.005
Ethyl Benzene	ug/g	0.013	0.005
p-Xylene	ug/g	0.027	0.005
m-Xylene	ug/g	0.022	0.005
o-Xylene	ug/g	0.029	0.005
Total Petroleum Hydrocarbons (Gasoline)	ug/g	9.0	0.05

TEST METHOD: TPH by D.O.H.S. L.U.F.T. method.
Individual constituents by EPA method 5030/8020.

As Received Basis

Comments:

By

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Petroleum Hydrocarbons (SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of
Report: 21-Jun-90

Lab No.: 5378-20
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#20, 35 F, 1' 6/15/90 @ 8:05

Date Sample Collected:	Date Sample Received @ Lab:	Date Sample Extracted:	Date Analysis Completed:	Minimum Reporting Level
15-Jun-90	18-Jun-90	18-Jun-90	20-Jun-90	
Constituent	Reporting Units	Analysis Results		
Total Pet. Hydrocarbons (Diesel)	ug/g	200		100

TEST METHOD: TPH by D.O.H.S. / L.U.F.T Manual Method.

As Received Basis

Comments:

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Purgeable Aromatics (SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of Report: 21-Jun-90

Lab No.: 5378-20
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#20, 35 F, 1' 6/15/90 @ 8:05

Date Sample Collected:
15-Jun-90

Date Sample Received @ Lab:
18-Jun-90

Date Analysis Completed:
19-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	none detected	1
Toluene	ug/g	none detected	1
Ethyl Benzene	ug/g	none detected	1
p-Xylene	ug/g	1.4	1
m-Xylene	ug/g	2.1	1
o-Xylene	ug/g	2.2	1
Total Petroleum Hydrocarbons (Gasoline)	ug/g	250	10

TEST METHOD: TPH by D.O.H.S. L.U.F.T. method.
Individual constituents by EPA method 5030/8020.

As Received Basis

Comments:

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Petroleum Hydrocarbons
(SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention:

Date of Report: 21-Jun-90

Lab No.: 5378-21
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#21, 35 F, 22' 6/15/90 @ 8:05

Date Sample Collected:	Date Sample Received @ Lab:	Date Sample Extracted:	Date Analysis Completed:
15-Jun-90	18-Jun-90	28-Jun-90	20-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	0.40	0.005
Toluene	ug/g	0.35	0.005
Ethyl Benzene	ug/g	0.76	0.005
p-Xylene	ug/g	0.54	0.005
m-Xylene	ug/g	1.1	0.005
o-Xylene	ug/g	0.73	0.005
Total Pet. Hydrocarbons (Diesel)	ug/g	14	5

TEST METHOD: TPH by D.O.H.S. / L.U.F.T Manual Method.
Individual constituents by EPA Method 5030/8020.

As Received Basis

Comments:

California D.O.H.S. Cert. #102

By: J. J. Eglin
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Petroleum Hydrocarbons (SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of
Report: 21-Jun-90

Lab No.: 5378-22
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#22, 35 F, 1' 6/15/90 @ 8:12

Date Sample Collected:	Date Sample Received @ Lab:	Date Sample Extracted:	Date Analysis Completed:
15-Jun-90	18-Jun-90	18-Jun-90	20-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Total Pet. Hydrocarbons (Diesel)	ug/g	1,100	100

TEST METHOD: TPH by D.O.H.S. / L.U.F.T Manual Method.

As Received Basis

Comments:

California D.O.H.S. Cert. #102

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Purgeable Aromatics (SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of
Report: 21-Jun-90

Lab No.: 5378-22
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#22, 35 F, 2' 6/15/90 @ 8:12

Date Sample
Collected:
15-Jun-90

Date Sample
Received @ Lab:
18-Jun-90

Date Analysis
Completed:
19-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	none detected	0.2
Toluene	ug/g	0.32	0.2
Ethyl Benzene	ug/g	none detected	0.2
p-Xylene	ug/g	0.29	0.2
m-Xylene	ug/g	0.37	0.2
o-Xylene	ug/g	3.2	0.2
Total Petroleum Hydrocarbons (Gasoline)	ug/g	140	6

TEST METHOD: TPH by D.O.H.S. L.U.F.T. method.
Individual constituents by EPA method 5030/8020.

As Received Basis

Comments:

BY

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Joseph Ballo
Analyst



Purgeable Aromatics (SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of
Report: 21-Jun-90

Lab No.: 5378-23
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#23, 35 F, 2' 6/15/90 @ 8:14

Date Sample
Collected:
15-Jun-90

Date Sample
Received @ Lab:
18-Jun-90

Date Analysis
Completed:
19-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	0.0059	0.005
Toluene	ug/g	0.032	0.005
Ethyl Benzene	ug/g	0.012	0.005
p-Xylene	ug/g	0.048	0.005
m-Xylene	ug/g	0.030	0.005
o-Xylene	ug/g	0.034	0.005
Total Petroleum Hydrocarbons (Gasoline)	ug/g	5.4	0.05

TEST METHOD: TPH by D.O.H.S. L.U.F.T. method.
Individual constituents by EPA method 5030/8020.

As Received Basis

Comments:

By

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Petroleum Hydrocarbons
(SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of
Report: 21-Jun-90

Lab No.: 5378-23
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#23, 35 F, 2' 6/15/90 @ 8:14

Date Sample Collected:	Date Sample Received @ Lab:	Date Sample Extracted:	Date Analysis Completed:
15-Jun-90	18-Jun-90	18-Jun-90	20-Jun-90
Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Total Pet. Hydrocarbons (Diesel)	ug/g	2,000	100

TEST METHOD: TPH by D.O.H.S. / L.U.F.T Manual Method.

As Received Basis

Comments:

California D.O.H.S. Cert. #102

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Purgeable Aromatics (SOIL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of Report: 21-Jun-90

Lab No.: 5378-24
Sample Desc: #1875-90 British Petroleum (EZ Serve)
#24, 35 F, 2' 6/15/90 @ 8:16

Date Sample Collected:
15-Jun-90

Date Sample Received @ Lab:
18-Jun-90

Date Analysis Completed:
19-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Benzene	ug/g	none detected	0.005
Toluene	ug/g	0.032	0.005
Ethyl Benzene	ug/g	0.0091	0.005
p-Xylene	ug/g	0.039	0.005
m-Xylene	ug/g	0.025	0.005
o-Xylene	ug/g	0.025	0.005
Total Petroleum Hydrocarbons (Gasoline)	ug/g	6.1	0.05

TEST METHOD: TPH by D.O.H.S. L.U.F.T. method.
Individual constituents by EPA method 5030/8020.

As Received Basis

Comments:

By J. J. Eglin
J. J. Eglin

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4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

Petroleum Hydrocarbons (SOTL)

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention: David Harris

Date of
Report: 21-Jun-90

Lab No.: 5378-24
Sample Desc: #1875-90 British Petroleum (E2 Serve)
#24, 35 F, 2' 6/15/90 @ 8:16

Date Sample Collected:	Date Sample Received @ Lab:	Date Sample Extracted:	Date Analysis Completed:
15-Jun-90	18-Jun-90	18-Jun-90	20-Jun-90

Constituent	Reporting Units	Analysis Results	Minimum Reporting Level
Total Pet. Hydrocarbons (Diesel)	ug/g	32	5

TEST METHOD: TPH by D.O.H.S. / L.U.F.T Manual Method.

As Received Basis

Comments:

California D.O.H.S. Cert. #102

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TPH DIESEL Quality Control Data

Consolidated Testing Laboratories
1055 W Morton Stc C
Porterville, CA 93257
Attention: David Harris

TPH Spike ID: 5378-13
Analysis Date: 20-Jun-90
Matrix: soil
Units: ug/g

Quality Control
for Lab Nos: 5378-14, 5378-15, 5378-17, 5378-19, 5378-20,
5378-22, 5378-23, 5378-24

One sample in twenty is selected as a representative matrix which is spiked. The percentage recovery (% Rec) of the spike is a relative measure of the accuracy of the analysis. The comparison of the spike with a duplicate spike is a measure of the relative precision of the analysis.

Constituent	Spike % Rec	Dup Spike % Rec	Spike RPD
TPH Diesel	97.00	90.00	7.49

QC Comments:

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BTXE/TPH GASOLINE Quality Control Data

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention:

Spike ID: 5312-6
Analysis Date: 19-Jun-90
Sample Matrix: Soil
Units: ug/g

Quality Control

for Lab Nos: 5378-1, 5378-10, 5378-11, 5378-12, 5378-14,
5378-15, 5378-17, 5378-19, 5378-20, 5378-22,
5378-23, 5378-24

Constituent	Spike % Rec	Dup Spike % Rec	Spike RPD
Benzene	83.98	85.66	1.98
Toluene	88.24	87.95	0.33
Ethyl Benzene	83.86	86.87	3.53

QC Comments:

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BTX/TPH DIESEL Quality Control Data

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention:

BTX Spike ID: 5312-6
TPH Spike ID: 5378-13
Analysis Date: 20-Jun-90
Matrix: soil
Units: ug/g

Quality Control
for Lab Nos: 5378-13, 5378-16, 5378-18, 5378-21

One sample in twenty is selected as a representative matrix which is spiked. The percentage recovery (% Rec) of the spike is a relative measure of the accuracy of the analysis. The comparison of the spike with a duplicate spike is a measure of the relative precision of the analysis.

Constituent	Spike % Rec	Dup Spike % Rec	Spike RPD
Benzene	83.98	85.66	1.98
Toluene	88.24	87.95	0.33
Ethyl Benzene	83.86	86.87	3.53
TPH Diesel	97.00	90.00	7.49

QC Comments:

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J. J. EGLIN, REG. CHEM. ENGR

4100 PIERCE RD., BAKERSFIELD, CALIFORNIA 93308 PHONE 327-4911

BTEX/TPH GASOLINE Quality Control Data

Consolidated Testing Laboratories
1055 W Morton Ste C
Porterville, CA 93257
Attention:

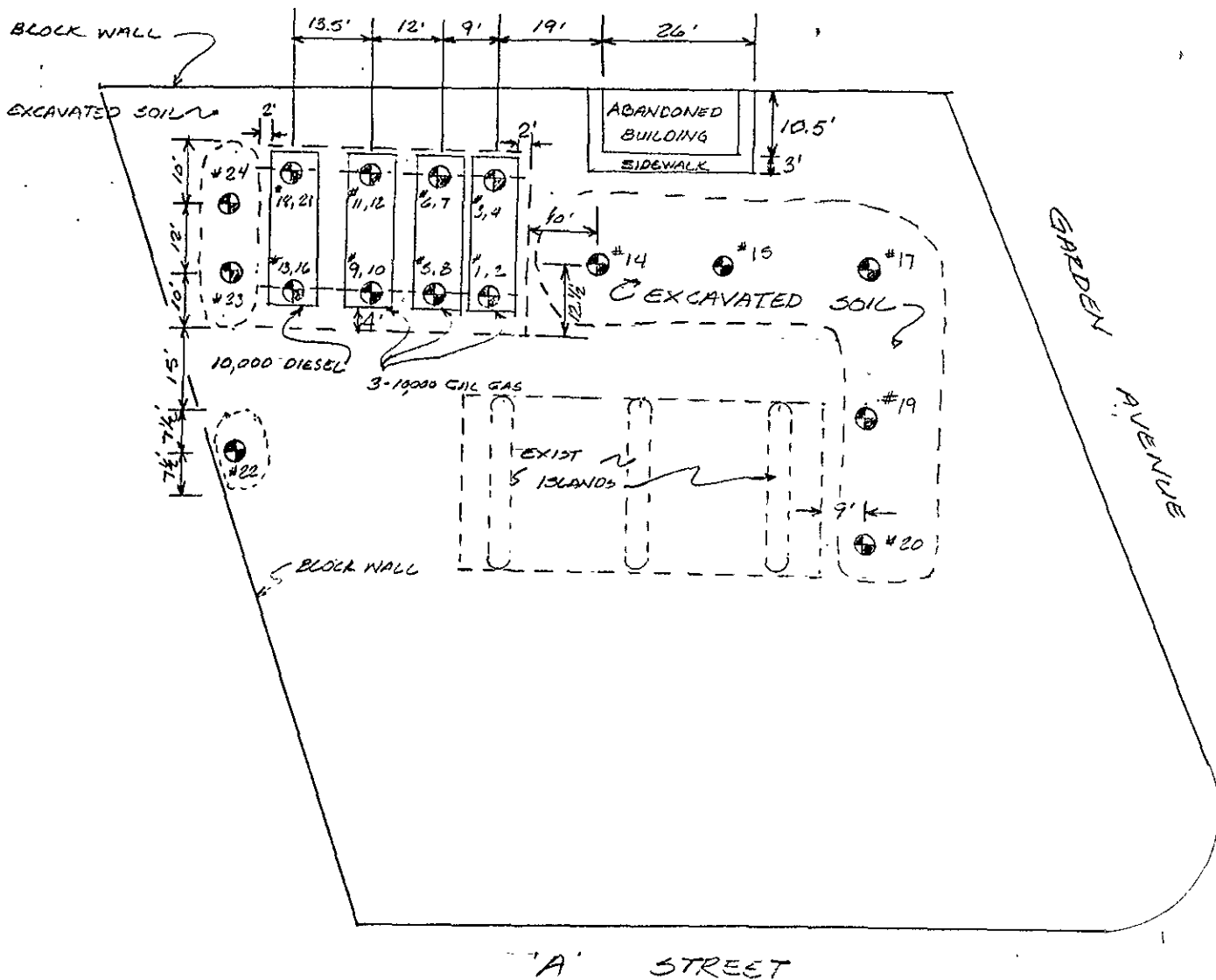
Spike ID: OFW
Analysis Date: 19-Jun-90
Sample Matrix: Soil
Units: ug/g

Quality Control

for Lab Nos: 5378-2, 5378-3, 5378-4, 5378-5, 5378-6,
5378-7, 5378-8, 5378-9

Constituent	Spike % Rec	Dup Spike % Rec	Spike RPD
Benzene	95.00	92.19	3.00
Toluene	98.45	101.49	3.04
Ethyl Benzene	103.78	103.38	0.39

QC Comments:



SOIL SAMPLE LOCATION MAP



NORTH
SCALE: 1" = 30'

LEGEND

- ⊕ APPROXIMATE LOCATION OF SOIL SAMPLE
- 669 SOIL SAMPLE NUMBER

NOTES

JOB LOCATION: BRITISH PETROLEUM
5225 WEST 'A' STREET
HAYWARD CALIF.
JOB NUMBER: 1875-90

CONSOLIDATED TESTING LABORATORIES, INC.

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