

FAX TRANSMITTAL SHEET

DATE: 8-16-91

TO: Susan Hugo

PHONE: 271-4320

FAX: ~~271-4300~~ 568-3706

FROM: Pacific Excavators

PHONE: 370-8783

FAX: 674-8752

NO. OF PAGES INCLUDING THIS SHEET 16

MESSAGE: All samples were taken
1 Ft above ground water
in the 8000 Gal Excavation

**ANALYTICAL
SERVICES****MED-TOX**
ASSOCIATES, INC.

DOHS CERTIFICATION NO: E772

CERTIFICATE OF ANALYSIS

PAGE 1 OF 13

PACIFIC EXCAVATORS
P.O. BOX 384
MARTINEZ, CA 94553

ATTN: RITA MADISON

REPORT DATE: 08/14/91

DATE SAMPLED: 07/23/91

DATE RECEIVED: 07/24/91

MED-TOX JOB NO: 9107143

ANALYSIS OF: SOIL SAMPLES

See attached for results

Andrew Bradeen, Manager
Organic Laboratory

Results FAXed 07/26-29/91

LOG NUMBER: 1339
DATE SAMPLED: 9/23/91
DATE RECEIVED: 9/24/91
DATE EXTRACTED: 9/27/91
DATE ANALYZED: 10/1/91, 10/2/91
DATE REPORTED:
PAGE: Two

Sample Type: Spill

Method and Constituent:

DHS Method:
Total Petroleum Hydrocarbons as Diesel

Units	STP		Method Blank	
	Concentration	Reporting Limit	Concentration	Reporting Limit
ug/kg	12,000	1,000	ND	1,000

QC Summary:

77 samples

FROM

Concentrations reported as ND were not detected at or above the reporting limit. These samples were extracted 0 days beyond the 14-day holding time for this extraction. Sample(s) STP indicates compounds eluting earlier (earlier / later / does not apply) than diesel.

LOG NUMBER: 1339
 DATE SAMPLED: 9/23/91
 DATE RECEIVED: 9/24/91
 DATE EXTRACTED: 9/25/91
 DATE ANALYZED: 9/30/91
 DATE REPORTED:
 PAGE: Four

Sample Type: Soil

Method and Constituent:

DHS Method:

Total Petroleum Hydrocarbons as Gasoline

EPA Method 8020 for:

Benzene

Toluene

Ethylbenzene

Xylenes

Units	SIR		Method Blank	
	Concentration	Reporting Limit	Concentration	Reporting Limit
ug/kg	3,000 ND	500	ND	500
ug/kg	ND	18	↓	5.0
ug/kg	47	17		5.0
ug/kg	ND	18		5.0
ug/kg	61	44		15

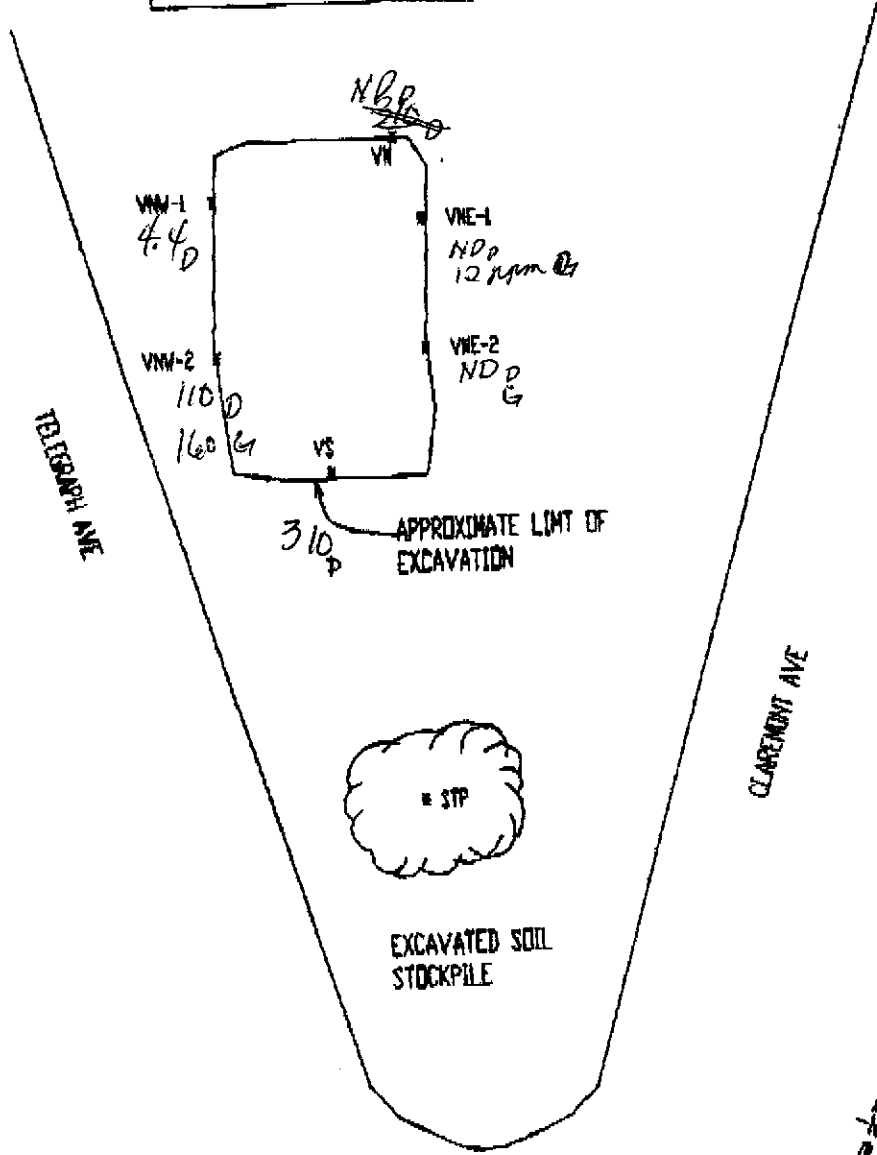
QC Summary:

% Recovery: 114, 120, and 131
 % RPD: 15, 2.5, and 11

Concentrations reported as ND were not detected at or above the reporting limit.
 These samples were analyzed 2 days beyond the 14-day holding time for this analysis.

Louis W. DuPuis
 Quality Assurance/Quality Control Manager

BUILDING



SITE PLAN
 5200 TELEGRAPH AVENUE
 OAKLAND, CALIFORNIA

TANK PROTECT ENGINEERING
 2821 WHIPPLE ROAD
 UNION CITY, CA 94587 - 1233
 (510) 429-8088
 (800) 523-8088
 FAX (510) 429-8088

Xylenes:

Units	VNE-2		VNE-1		VNE-2	
	Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
ug/kg	ND	15	1,100	110	ND	15

Method and Constituent:

DHS Method:

Total Petroleum Hydrocarbons as Gasoline

ug/kg	ND	500	12,000 1200	500	160,000 16,000	500
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EPA Method 8020 for:

Benzene

ug/kg	ND	5.0	ND	5.0	ND	19
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Toluene

ug/kg	170	5.0	170 9.3	5.0	7,900	18
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Ethylbenzene

ug/kg	ND	5.0	ND	5.0	ND	23
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Xylenes

ug/kg	ND	15	ND	15	4000	53
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Concentrations reported as ND were not detected at or above the reporting limit.

038 P04 OCT 02 '91 16:26

LOG NUMBER: 1839
 DATE SAMPLED: 9/23/91
 DATE RECEIVED: 9/24/91
 DATE EXTRACTED: 9/25/91
 DATE ANALYZED: 9/26/91
 DATE REPORTED:
 PAGE: Three

Sample Type: Soil

Method and Constituent:

DHS Method:

Total Petroleum Hydrocarbons as Gasoline

Units	VNE-2		VNE-1		VNE-1	
	Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
ug/kg	ND	500	79,000 7,900	500	ND	500

EPA Method 8020 for:

Benzene

ug/kg	ND	5.0	ND	38	ND	5.0
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Toluene

ug/kg	2292	5.0	450	36	6868	5.0
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LOG NUMBER: 1839
 DATE SAMPLED: 9/23/91
 DATE RECEIVED: 9/24/91
 DATE EXTRACTED: 9/27/91
 DATE ANALYZED: 10/1/91, 10/2/91
 DATE REPORTED:

CUSTOMER: Tank Protect Engineering
 REQUESTER: Marc Zomorrofi
 PROJECT: No. 196C-092391, 5200 Telegraph Avenue, Oakland, CA

Sample Type: Soil

Method and Constituent:	Units	VN		VS		VNE-1	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:				310,000	1,100	ND	1,000
Total Petroleum Hydrocarbons as Diesel	ug/kg	ND	1,000	310	1,000	ND	1,000

Method and Constituent:	Units	VNE-2		VNW-1		VNW-2	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:						1,100	1,100
Total Petroleum Hydrocarbons as Diesel	ug/kg	ND	1,000	4,400	1,000	110,000	1,100

Concentrations reported as ND were not detected at or above the reporting limit.
 Sample(s) SV, VNW-1 VNW-2, ~~SV~~ indicates compounds eluting (earlier) / later / does not apply) than diesel.

Pacific Excavators

435 Eagle Nest Ct. • Martinez, CA 94553
(415) 370-8783

**Demolition
Petroleum Specialists**

Fax Sheet

10/10/91

To: Susan Hugo
Alameda County Dept. Health

From: Joe Madison
Pacific Excavators

6 Pages

Regarding: Autopro
5200 Telegraph Ave
Oakland, CA

Soil sample results that we
spoke about. Please respond
ASAP.

Thank You



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PACIFIC EXCAVATORS

DATE SAMPLED: 07/23/91

REPORT DATE: 08/14/91

DATE RECEIVED: 07/24/91

MED-TOX JOB NO: 9107143

Sample Identification Client Id.	Lab No.	Extractable Hydrocarbons as Diesel (mg/kg)
AP-308	01A	30 *
AP-309	02A	20 *
AP-310	03A	50 *
AP-311	04A	ND
AP-312	05A	120 *
AP-313	06A	20 *
AP-314	07A	90 *
AP-315	08A	ND
AP-316	09A	730 **

Detection Limit 10

Method: 3550 GCFID

Instrument: C

Date Extracted: 07/25/91

Date Analyzed: 07/25-26/91

ND = Not Detected

* Resembles weathered gasoline

** Appears to contain diesel as well
as weathered gasoline

PACIFIC EXCAVATORS

CLIENT ID: AP 308
CLIENT PROJ. ID: -
DATE SAMPLED: 07/23/91
DATE RECEIVED: 07/24/91
REPORT DATE: 08/14/91

MED-TOX LAB NO: 9107143-01A
MED-TOX JOB NO: 9107143
DATE ANALYZED: 07/24-25/91
INSTRUMENT: H

BTEX AND HYDROCARBONS (SOIL MATRIX)

METHOD: EPA 8020, 5030 GCFID

	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Benzene	71-43-2	ND	1
Toluene	108-88-3	6	1
Ethylbenzene	100-41-4	ND	1
Xylenes, Total	1330-20-7	6	3
PURGEABLE HYDROCARBONS AS:			
Gasoline		2 mg/kg	0.2 mg/kg

ND - Not Detected



PACIFIC EXCAVATORS

CLIENT ID: AP 309
 CLIENT PROJ. ID: -
 DATE SAMPLED: 07/23/91
 DATE RECEIVED: 07/24/91
 REPORT DATE: 08/14/91

MED-TOX LAB NO: 9107143-02A
 MED-TOX JOB NO: 9107143
 DATE ANALYZED: 07/24-25/91
 INSTRUMENT: H

BTEX AND HYDROCARBONS (SOIL MATRIX)

METHOD: EPA 8020, 5030 GCFID

	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Benzene	71-43-2	ND	1
Toluene	108-88-3	1	1
Ethylbenzene	100-41-4	ND	1
Xylenes, Total	1330-20-7	5	3
PURGEABLE HYDROCARBONS AS:			
Gasoline		2 mg/kg	0.2 mg/kg

ND - Not Detected



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PACIFIC EXCAVATORS

CLIENT ID: AP 310
 CLIENT PROJ. ID: -
 DATE SAMPLED: 07/23/91
 DATE RECEIVED: 07/24/91
 REPORT DATE: 08/14/91

MED-TOX LAB NO: 9107143-03A
 MED-TOX JOB NO: 9107143
 DATE ANALYZED: 07/24-26/91
 INSTRUMENT: H

BTEX AND HYDROCARBONS (SOIL MATRIX)

METHOD: EPA 8020, 5030 GCFID

	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Benzene	71-43-2	ND	1
Toluene	108-88-3	ND	1
Ethylbenzene	100-41-4	ND	1
Xylenes, Total	1330-20-7	ND	3
PURGEABLE HYDROCARBONS AS:			
Gasoline		3 mg/kg	0.2 mg/kg

ND = Not Detected

MED-TOX
ASSOCIATES, I

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PACIFIC EXCAVATORS

CLIENT ID: AP 311
 CLIENT PROJ. ID: -
 DATE SAMPLED: 07/23/91
 DATE RECEIVED: 07/24/91
 REPORT DATE: 08/14/91

MED-TOX LAB NO: 9107143-04A
 MED-TOX JOB NO: 9107143
 DATE ANALYZED: 07/24/91
 INSTRUMENT: H

BTEX AND HYDROCARBONS (SOIL MATRIX)

METHOD: EPA 8020, 5030 GCFID

	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Benzene	71-43-2	ND	1
Toluene	108-88-3	ND	1
Ethylbenzene	100-41-4	ND	1
Xylenes, Total	1330-20-7	ND	3
PURGEABLE HYDROCARBONS AS:			
Gasoline		0.2 mg/kg	0.2 mg/kg

ND - Not Detected



PACIFIC EXCAVATORS

CLIENT ID: AP 312
 CLIENT PROJ. ID: -
 DATE SAMPLED: 07/23/91
 DATE RECEIVED: 07/24/91
 REPORT DATE: 08/14/91

MED-TOX LAB NO: 9107143-05A
 MED-TOX JOB NO: 9107143
 DATE ANALYZED: 07/24/91
 INSTRUMENT: H

BTEX AND HYDROCARBONS (SOIL MATRIX)

METHOD: EPA 8020, 5030 GCFID

	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Benzene	71-43-2	ND	5
Toluene	108-88-3	9	5
Ethylbenzene	100-41-4	ND	5
Xylenes, Total	1330-20-7	ND	20

PURGEABLE HYDROCARBONS AS:

Gasoline 14 mg/kg 1 mg/kg

ND = Not Detected



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PACIFIC EXCAVATORS

CLIENT ID: AP 313
CLIENT PROJ. ID: -
DATE SAMPLED: 07/23/91
DATE RECEIVED: 07/24/91
REPORT DATE: 08/14/91

MED-TOX LAB NO: 9107143-06A
MED-TOX JOB NO: 9107143
DATE ANALYZED: 07/24-25/91
INSTRUMENT: H

BTEX AND HYDROCARBONS (SOIL MATRIX)

METHOD: EPA 8020, 5030 GCFID

	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Benzene	71-43-2	ND	1
Toluene	108-88-3	2	1
Ethylbenzene	100-41-4	ND	1
Xylenes, Total	1330-20-7	5	3

PURGEABLE HYDROCARBONS AS:

Gasoline 2 mg/kg 0.2 mg/kg

ND = Not Detected

PACIFIC EXCAVATORS

CLIENT ID: AP 314
 CLIENT PROJ. ID: -
 DATE SAMPLED: 07/23/91
 DATE RECEIVED: 07/24/91
 REPORT DATE: 08/14/91

MED-TOX LAB NO: 9107143-07A
 MED-TOX JOB NO: 9107143
 DATE ANALYZED: 07/24/91
 INSTRUMENT: H

BTEX AND HYDROCARBONS (SOIL MATRIX)

METHOD: EPA 8020, 5030 GCFID

	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Benzene	71-43-2	ND	5
Toluene	108-88-3	ND	5
Ethylbenzene	100-41-4	ND	5
Xylenes, Total	1330-20-7	ND	20
PURGEABLE HYDROCARBONS AS:			
Gasoline		12 mg/kg	1 mg/kg

ND = Not Detected



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PACIFIC EXCAVATORS

CLIENT ID: [REDACTED]
 CLIENT PROJ. ID: [REDACTED]
 DATE SAMPLED: 07/23/91
 DATE RECEIVED: 07/24/91
 REPORT DATE: 08/14/91

MED-TOX LAB NO: 9107143-08A
 MED-TOX JOB NO: 9107143
 DATE ANALYZED: 07/24-25/91
 INSTRUMENT: H

BTEX AND HYDROCARBONS (SOIL MATRIX)

METHOD: EPA 8020, 5030 GCFID

	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Benzene	71-43-2	ND	1
Toluene	108-88-3	ND	1
Ethylbenzene	100-41-4	ND	1
Xylenes, Total	1330-20-7	ND	3
PURGEABLE HYDROCARBONS AS:			
Gasoline		0.7 mg/kg	0.2 mg/kg

ND = Not Detected



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PACIFIC EXCAVATORS

CLIENT: [REDACTED]
CLIENT PROJ. ID: [REDACTED]
DATE SAMPLED: [REDACTED]
DATE RECEIVED: 07/24/91
REPORT DATE: 08/14/91

MED-TOX LAB NO: 9107143-09A
MED-TOX JOB NO: 9107143
DATE ANALYZED: 07/24-25/91
INSTRUMENT: H

BTEX AND HYDROCARBONS (SOIL MATRIX)

METHOD: EPA 8020, 5030 GCFID

	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Benzene	71-43-2	ND	1
Toluene	108-88-3	1	1
Ethylbenzene	100-41-4	3	1
Xylenes, Total	1330-20-7	30	3

PURGEABLE HYDROCARBONS AS:

Gasoline

7 mg/kg

0.2 mg/kg

ND = Not Detected



QUALITY CONTROL DATA

PACIFIC EXCAVATORS

MED-TOX JOB NO: 9107143



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DATE EXTRACTED: 07/25/91
 DATE ANALYZED: 07/26/91
 SAMPLE SPIKED: 9107143-05A

MED-TOX JOB NO: 9107143

INSTRUMENT: C

MATRIX SPIKE RECOVERY SUMMARY
TPH EXTRACTABLE SOILS
METHOD 3550
(SOIL MATRIX; EXTRACTION METHOD)

ANALYTE	Spike Conc. (ng/kg)	Sample Result (ng/kg)	MS Result (ng/kg)	MSD Result (ng/kg)	Average Percent Recovery	RPD
Diesel	84.8	120	198	195	90.2	1.5

CURRENT QC LIMITS (Revised 05/02/91)

Analyte	Percent Recovery	RPD
Diesel	(48.8-126.6)	19.1

MS = Matrix Spike
 MSD = Matrix Spike Duplicate
 RPD = Relative Percent Difference
 ND = Not Detected



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DATE ANALYZED: 07/24/91
 SAMPLE SPIKED: 9107143-04A

MED-TOX JOB NO: 9107143
 INSTRUMENT: H

MATRIX SPIKE RECOVERY SUMMARY
METHOD TPHBTS
5030 w/BCFID/8020

ANALYTE	Spike Conc. (ug/kg)	Sample Result (ug/kg)	MS Result (ug/kg)	MSD Result (ug/kg)	Average Percent Recovery	RPD
Benzene	28.6	ND	27.5	28.7	102.2	4.3
Toluene	96.2	ND	91.2	99.0	98.9	8.2
Hydrocarbons as Gasoline	1030	240	1020	950	72.3	7.1

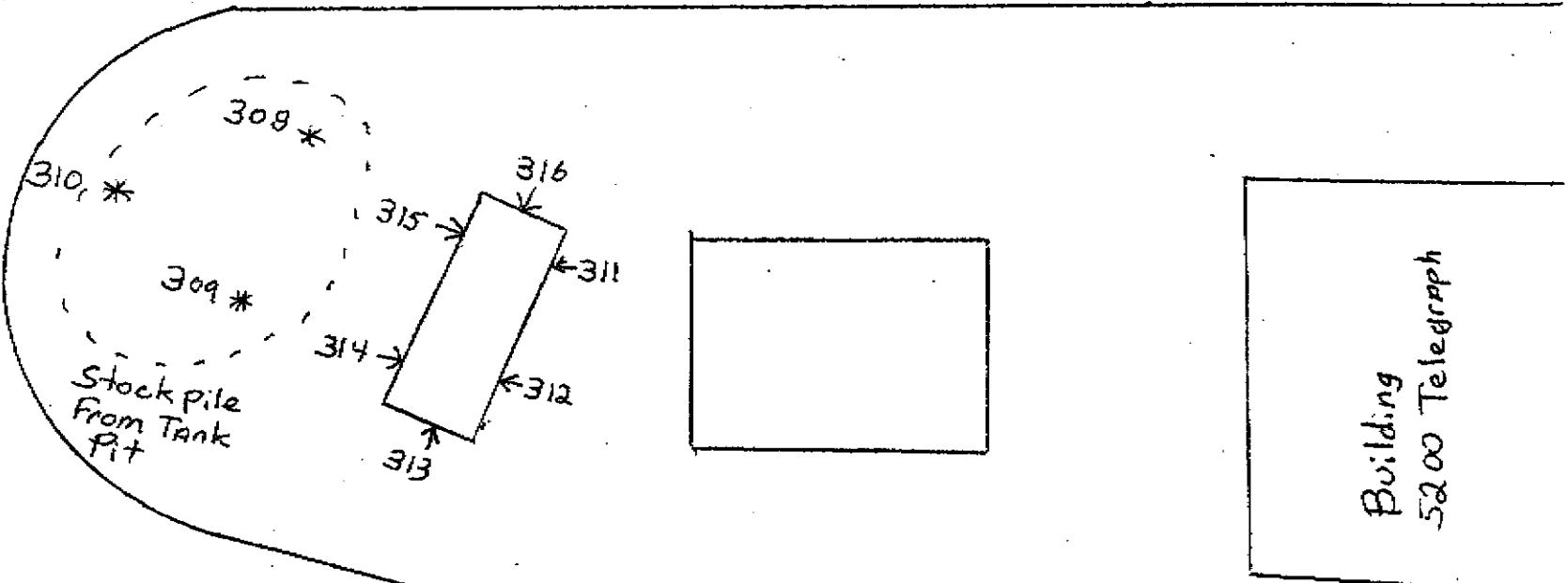
CURRENT QC LIMITS (Revised 04/30/91)

<u>Analyte</u>	<u>Percent Recovery</u>	<u>RPD</u>
Benzene	(78.6-121.5)	14.8
Toluene	(78.7-119.1)	11.8
Gasoline	(60.0-109.7)	15.6

MS = Matrix Spike
 MSD = Matrix Spike Duplicate
 RPD = Relative Percent Difference
 ND = Not Detected

N →

Telegraph Ave



Claremont Ave

AUG-10-1991 03:54PM FROM PACIFIC FILTERS TO 5683706 P.07