

FAX - (415) 783-1512

DATE: 11/14/91

FROM: Jennifer Dekard

TO: Gary Floyd

FAX NUMBER: 415-775-2359
~~782-7801~~

NUMBER OF PAGES (including this page): 11

8010, 8020 and 8070 Results
for your project
Oakland Main Post Office
1675 - 7th St Oakland, CA

Please call me @ 782-6960
if you have any questions.

METHOD 801/8010 REPORT FORM

Workorder # 911084

CONCENTRATION (PPB)

Wgt# 1500
8010

Project # 1500

COMPOUND	SAMPLE ID			
	S			
Chloromethane	-01			
Bromomethane	ND			
Dichlorodifluoromethane				
Vinyl Chloride				
Chloroethane				
Methylene Chloride	2.5			
Trichlorofluoromethane	ND			
1,1-Dichloroethene				
1,1-Dichloroethane				
cis-1,2-dichloroethane				
Trans-1,2-Dichloroethene				
Chloroform				
Trichlorotrifluoroethane				
1,2-Dichloroethane				
1,1,1-Trichloroethane				
Carbon Tetrachloride				
Bromodichloromethane				
1,2-Dichloropropane				
Trans-1,3-Dichloropropene				
Trichloroethene				
1,1,2-Trichloroethane				
cis-1,3-Dichloropropene				
Dibromochloromethane				
2-Chloroethylvinyl Ether				
Bromoform				
1,1,2,2-Tetrachloroethane				
Tetrachloroethene	9.8			
Chlorobenzene	ND			
1,2-Dichlorobenzene				
1,3-Dichlorobenzene				
1,4-Dichlorobenzene				
% Surrogate Recovery	5.3%			
Dilution Factor	none			
Instrument #	HP10			
Date Analyzed	11/12/91			

Analyst: sh

Date: 11/13/91

which sample?

Project ID : 1500
 Sample ID : 5
 Matrix : SOIL
 Date Sampled : 11/ 8/91
 Date Extracted : 11/12/91
 Amount Extracted : 10.0 g
 Date Analyzed : 11/12/91
 Instrument ID : HP22

Analyst : SK
 Supervisor : SD

Dilution Factor : 1.00
 Conc. Units : UG/KG

EPA 8080

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
12574-11-2	Aroclor-1016	80.	ND	U
11104-28-2	Aroclor-1221	80.	ND	U
11141-16-5	Aroclor-1232	80.	ND	U
53469-21-9	Aroclor-1242	80.	ND	U
12672-29-6	Aroclor-1248	80.	ND	U
11097-69-1	Aroclor-1254	160.	ND	U
11096-82-5	Aroclor-1260	160.	ND	U

Workorder # : 9111084
Date Received : 11/11/91
Project ID : 1500
Purchase Order: N/A
Department : GCMS
Sub-Department: GCMS

QA/QC SUMMARY :

- Pentachlorophenol (PCP), polynuclear aromatic hydrocarbons (PNAs) and creosote were scanned for but were not detected in the EPA Method 8270 analysis of sample 5. The approximate detection limits are 1700 ppb, for PCP, 330 ppb. for PNAs and 3300 ppb. for creosote.
- A surrogate recovery is outside established limits in the EPA Method 8270 analysis of samples BLANK and 5.

Project ID : 1500
 Sample ID : 5
 Matrix : SOIL
 Date Sampled : 11/ 8/91
 Date Extracted : 11/12/91
 Amount Extracted : 30.0 g
 Date Analyzed : 11/13/91
 Instrument ID : F3

Analyst : JM
 Supervisor : PG

Dilution Factor : 1.00
 Conc. Units : ug/Kg

8270

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
108-95-2	PHENOL	330.	ND	U
111-44-4	BIS(2-CHLOROPHENYL) ETHER	330.	ND	U
95-57-8	2-CHLOROPHENOL	330.	ND	U
541-73-1	1,3-DICHLOROBENZENE	330.	ND	U
106-46-7	1,4-DICHLOROBENZENE	330.	ND	U
100-51-6	BENZYL ALCOHOL	330.	ND	U
95-50-1	1,2-DICHLOROBENZENE	330.	ND	U
95-48-7	2-METHYLPHENOL	330.	ND	U
102-60-1	BIS(2-CHLOROISOPROPYL) ETHER	330.	ND	U
106-44-5	4-METHYLPHENOL	330.	ND	U
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	330.	ND	U
67-72-1	HEXACHLOROETHANE	330.	ND	U
98-95-3	NITROBENZENE	330.	ND	U
78-59-1	ISOPHORONE	330.	ND	U
88-75-5	2-NITROPHENOL	330.	ND	U
108-67-9	2,4-DIMETHYLPHENOL	330.	ND	U
85-85-0	BENZOIC ACID	1700.	ND	U
111-91-1	BIS(2-CHLOROETHOXY)METHANE	330.	ND	U
120-83-2	2,4-DICHLOROPHENOL	330.	ND	U
120-82-1	1,2,4-TRICHLOROBENZENE	330.	ND	U
91-20-3	NAPHTHALENE	330.	ND	U
106-47-8	4-CHLOROANILINE	330.	ND	U
87-68-3	HEXACHLOROBTADIENE	330.	ND	U
59-50-7	4-CHLORO-3-METHYLPHENOL	330.	ND	U
91-57-6	2-METHYLNAPHTHALENE	330.	ND	U
77-47-4	HEXACHLOROCYCLOPENTADIENE	330.	ND	U
83-06-2	2,4,6-TRICHLOROPHENOL	330.	ND	U
95-95-4	2,4,5-TRICHLOROPHENOL	330.	ND	U
91-58-7	2-CHLORONAPHTHALENE	1700.	ND	U
88-74-4	2-NITROANILINE	330.	ND	U
131-11-3	DIMETHYLPHTHALATE	1700.	ND	U
205-96-8	ACENAPHTHYLENE	330.	ND	U
506-20-2	2,6-DINITROTOLUENE	330.	ND	U

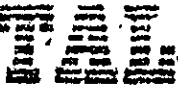
Project ID : 1500
 Sample ID : 5
 Matrix : SOIL
 Date Sampled : 11/ 8/91
 Date Extracted : 11/12/91
 Amount Extracted : 30.0 g
 Date Analyzed : 11/13/91
 Instrument ID : 83

Analyst : WJ
 Supervisor : PG

Dilution Factor : 1.00
 Conc. Units : ug/Kg

8270

CAS NO.	COMPOUND NAME	REPORTING LIMIT	AMOUNT DETECTED	Q
99-09-2	3-NITROANILINE	1700.	ND	U
83-32-9	ACENAPHTHENE	330.	ND	U
51-28-5	2,4-DINITROPHENOL	1700.	ND	U
100-02-7	4-NITROPHENOL	1700.	ND	U
132-64-9	DIBENZOFURAN	330.	ND	U
121-14-2	2,4-DINITROTOLUENE	330.	ND	U
84-66-2	DIETHYLPHTHALATE	330.	ND	U
7005-72-3	4-CHLOROPHENYL-PHENYLETHEN	330.	ND	U
86-73-7	FLUORENE	330.	ND	U
100-01-6	4-NITROANILINE	1700.	ND	U
534-52-1	4,6-DINITRO-2-NITROPHENOL	1700.	ND	U
86-30-6	N-NITROSODIPHENYLAMINE (1)	330.	ND	U
101-55-3	4-BROMOPHENYL-PHENYLETHEN	330.	ND	U
118-74-1	HEXACHLOROBENZENE	330.	ND	U
87-86-5	PENTACHLOROPHENOL	1700.	ND	U
85-01-8	PHENANTHRENE	330.	ND	U
120-12-7	ANTHRACENE	330.	ND	U
84-74-2	DI-N-BUTYLPHTHALATE	330.	ND	U
206-44-0	FLUORANTHENE	330.	ND	U
129-00-0	PYRENE	330.	ND	U
85-68-7	BUTYLBENZYLPHTHALATE	330.	ND	U
91-94-1	3,3'-DICHLOROBENZIDINE	670.	ND	U
56-55-3	BENZO(A)ANTHRACENE	330.	ND	U
218-01-9	CHRYSENE	330.	ND	U
117-81-7	BIS(2-ETHYLNEXYL)PHTHALATE	330.	ND	U
117-84-0	DI-N-OCTYLPHTHALATE	330.	ND	U
205-99-2	BENZO(B)FLUOROANTHRENE	330.	ND	U
207-09-9	BENZO(K)FLUOROANTHRENE	330.	ND	U
50-32-6	BENZO(A)PYRENE	330.	ND	U
193-39-5	INDENO(1,2,3-CD)PYRENE	330.	ND	U
53-70-3	DIBENZ(A,H)ANTHRACENE	330.	ND	U
191-24-2	BENZO(G,H,I)PERYLENE	330.	ND	U
82-75-9	N-NITROSODIMETHYLANILINE	330.	ND	U
4165-61-1	ANILINE	330.	ND	U
103-33-3	AZOBEZENE	330.	ND	U
92-87-5	BENZIDINE	1700.	ND	U

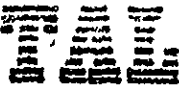


CHAIN OF CUSTODY RECORD

Proj. No.		Project Name		No.	of	Containers	REMARKS
1675 7th St, Oakland CA		Oakland Main Post Office					
Samplers: (signature) John Kern				for TAF			
Sample ID	Date	Time	Site Location				
1	11/3/91	12:10	1675 7th St	1-bt	X	X	@ 6'
2		12:15			X	X	@ 6'
3A		2:05			X	X	@ 6'
3B		2:10			X	X	@ 6'
4A		2:15			X	X	@ 6'
4B		2:20			X	X	@ 6'
6		1:15			X	X	@ 3' Diesel Island
7		1:30			X	X	@ 3' Diesel Island
8		1:35			X	X	@ 3' Gas Island
Relinquished by: (signature)			Date/Time	Received by: (signature)			Date/Time
Relinquished by: (signature)			Date/Time	Received by: (signature)			Date/Time
Received for Laboratory by: (signature)						Date/Time	
REMARKS							
Field Sampling 2-day TAF SAJ 1-bt ea on 14 Y-2 YJC							

CHAIN OF CUSTODY RECORD

Proj. No.		Project Name		No. of Containers	REMARKS
Samplers: (signature)					
Sample ID	Date	Time	Site Location		
3	11/8/91	12:30	1675 7 th St	1st	Page 2 of 3 @ 6' } Composite @ 6' } @ 5' } initialized 11/11/91 11/12/91 2090 219 219 due on 11/12/91 (of 5, 7, 10, 14, 18, 22) due 11/12/91
4	↓	12:35	↓	↓	
5	↓	1:00	↓	↓	
Relinquished by: (signature)		Date/Time	Received by: (signature)		Date/Time
Relinquished by: (signature)		Date/Time	Received by: (signature)		Date/Time
Received for Laboratory by: (signature)				Date/Time	
REMARKS					



CHAIN OF CUSTODY RECORD

Proj. No.		Project Name		No. of Containers	REMARKS			
Sampler: (signature)								
Sample ID	Date	Time	Site Location					
9	11/8/91	1:45	1675 7th St	1-6E	X			} stockpile
10		1:45			X			
11		1:50			X			
12		1:50			X			
13		1:55			X			} stockpile
14		1:55			X			
15		2:00			X			
16		2:00			X			
Relinquished by: (signature)				Date/Time	Received by: (signature)		Date/Time	
Relinquished by: (signature)				Date/Time	Received by: (signature)		Date/Time	
Received for Laboratory by: (signature)							Date/Time	
REMARKS								

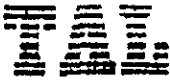
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Page 3 of 3
REMARKS

Trace Analysis Laboratory, Inc.

3423 Investment Boulevard, #8 • Hayward, California 94545

Teleph: (415) 783-6980
Facsimil: (415) 783-1512



FAX - (415) 783-1512

DATE: 11/13/91

FROM: Jennifer Peckol

TO: R.S. Eagan

FAX NUMBER: 732 - 7304

NUMBER OF PAGES (Including This Page): 9

Results: Oakland Main Post Office
1015 - 7th St. Oakland, CA

Results are also being faxed to GRC.
The results for 8010 and B270
should be available 11/13/91 as
expected. If you have any
questions, please call
Jennifer

LOG NUMBER: 1500
 DATE SAMPLED: 11/08/91
 DATE RECEIVED: 11/08/91
 DATE EXTRACTED: 11/08/91
 DATE ANALYZED: 11/10, 11/11/91
 DATE REPORTED:

CUSTOMER: R.S. Eagan and Company
 REQUESTER: Bob Eagan
 PROJECT: Oakland Main Post Office, 1675 7th Street, Oakland, CA

Sample Type: Soil

Method and Constituent:	Units	1		2		3A	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method: Total Petroleum Hydrocarbons as Diesel	mg/kg	260	3.0 1.0	1,200	15 1.0	2,000	15 1.0

Method and Constituent:	Units	3B		4A		4B	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method: Total Petroleum Hydrocarbons as Diesel	mg/kg	ND	1.0	220	3.0 1.0	2,500 2,000	7.0 1.0

~~CC Summary:~~

~~% Recovery:
% RPD:~~

Concentrations reported as ND were not detected at or above the reporting limit.

~~These samples were extracted ϕ days beyond the 14-day holding time for this extraction.~~

~~Sample(s) _____ indicates compounds eluting (earlier/later) does not apply) than diesel.~~

LOG NUMBER: 1500
 DATE SAMPLED: 11/08/91
 DATE RECEIVED: 11/08/91
 DATE EXTRACTED: 11/08/91
 DATE ANALYZED: 11/10/91
 DATE REPORTED:
 PAGE: Two

Sample Type: Soil

Method and Constituent:	Units	5		6		7	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method: Total Petroleum Hydrocarbons as Diesel	mg/kg	ND	1.0	1.4 2.8	1.0	7,900	15 4.0

Method and Constituent:	Units	8		Method Blank	
		Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method: Total Petroleum Hydrocarbons as Diesel	mg/kg	2,900	15 4.0	ND	1.0

QC Summary:

% Recovery: 88 and 72
 % RPD: 33 and ~~67~~ 0.7

Concentrations reported as ND were not detected at or above the reporting limit.

~~These samples were extracted 6 days beyond the 4 day holding time for this extraction.~~

~~Sample(s) indicates compounds eluting (earlier / later / does not apply) than diesel.~~

Samples 4A, 4B, and 8 contain compound eluting earlier than diesel.

ICG NUMBER: 1500
 DATE SAMPLED: 11/08/91
 DATE RECEIVED: 11/08/91
 DATE EXTRACTED: 11/9/91
 DATE ANALYZED: 11/11/91
 DATE REPORTED:
 PAGE: Three

Sample Type: Soil

Method and Constituent:	Units	1		2		3A	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	mg/kg	3.4	0.50	76	0.50	100 59	0.50 1.5
EPA Method 8020 for:							
Benzene	mg/kg	0.80	0.0050	0.59 0.59	0.013 0.013	0.40 0.27	0.13
Toluene	mg/kg	0.0008	0.0050	0.23	0.0050 0.01	0.79 0.79	0.11
Ethylbenzene	mg/kg	0.015	0.0050	3.5	0.017 0.017	1.4 1.4	0.12
Xylenes	mg/kg	0.12	0.015	52	0.030 0.015	5.3 5.3	0.30

QC Summary:

% Recovery:
 % RPD:

Concentrations reported as ND were not detected at or above the reporting limit.

These samples were analyzed _____ days beyond the 14-day holding time for this analysis.

LOG NUMBER: 1500
 DATE SAMPLED: 11/08/91
 DATE RECEIVED: 11/08/91
 DATE EXTRACTED: 11/9/91
 DATE ANALYZED: 11/10/91, 11/11/91
 DATE REPORTED:
 PAGE: Four

SAMPLE Type: Soil

Method and Constituent:	Units	3B		4A		4B	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	mg/kg	ND	0.50	150	0.50	620	0.50
EPA Method 8020 for:							
Benzene	mg/kg	↓	0.0050	7.5	0.026 0.0050	37	1.0 0.0050
Toluene	mg/kg		0.0050	19	0.027 0.0050	16	0.82 0.0050
Ethylbenzene	mg/kg		0.0050	8.9	0.027 0.0050	53	1.0 0.0050
Xylenes	mg/kg		0.015	32	0.040 0.015	130	2.0 0.015
Method and Constituent:	Units	5		6		7	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	mg/kg	ND	0.50	36	0.50	210	0.50
EPA Method 8020 for:							
Benzene	mg/kg	0.0063	0.0050	11	0.013 0.0050	ND	0.026 0.0050
Toluene	mg/kg	ND	0.0050	0.36	0.011 0.0050	0.45	0.082 0.0050
Ethylbenzene	mg/kg	ND	0.0050	0.82	0.012 0.0050	1.4	0.024 0.0050
Xylenes	mg/kg	ND	0.015	8.1	0.030 0.015	14	0.060 0.015

XX Summary:

% Recovery:
 % RPD:

Concentrations reported as ND were not detected at or above the reporting limit.

These samples were analyzed _____ days beyond the 14-day holding time for this analysis.

LOG NUMBER: 1500
 DATE SAMPLED: 11/08/91
 DATE RECEIVED: 11/08/91
 DATE EXTRACTED: 11/8/91
 DATE ANALYZED: 11/10/91, 11/6/91
 DATE REPORTED:
 PAGE: Five

Sample Type: Soil

Method and Constituent:	Units	Concentration	Reporting Limit	Concentration	Method Blank Reporting Limit
DHS Method:					
Total Petroleum Hydrocarbons as Gasoline	mg/kg	610	0.50	ND	0.50
EPA Method 8020 for:					
Benzene	mg/kg	3.4	1.0 0.0050		0.0050
Toluene	mg/kg	60	0.82 0.0050		0.0050
Ethylbenzene	mg/kg	27	1.0 0.0050		0.0050
Xylenes	mg/kg	170	2.0 0.015		0.015

QC Summary:

% Recovery: 120, 88
 % RPD: 5.6, 27

Concentrations reported as ND were not detected at or above the reporting limit.

These samples were analyzed _____ days beyond the 14-day holding time for this analysis.

LOG NUMBER: 1500
 DATE SAMPLED: 11/08/91
 DATE RECEIVED: 11/08/91
 DATE EXTRACTED: 11/11/91
 DATE ANALYZED: 11/11/91
 DATE REPORTED:
 PAGE: Six

Sample Type: Soil

Method and Constituent:	Units	5		Method Blank	
		Concen- tration	Reporting Limit	Concen- tration	Reporting Limit
Standard Method 5520F Hydrocarbons:					
Oil and Grease	mg/kg	ND	50	ND	50

QA Summary:

% Recovery: 72*

% RPD: 0.0

Concentrations reported as ND were not detected at or above the reporting limit.

* ~~72~~ % Rec based on LCS . . .

LOC NUMBER: 1500
 DATE SAMPLED: 11/08/91
 DATE RECEIVED: 11/08/91
 DATE EXTRACTED: 11/11/91
 DATE ANALYZED: 11/12/91
 DATE REPORTED:
 PAGE: Thirteen

Sample Type: Soil

Method and Constituent:	Composite of 3 anal &		Method Blank		QC Summary		
	Units	Concen- tration	Reporting Limit	Concen- tration	Reporting Limit	% Recovery	% RPD
EPA Method 7420:							
Lead	mg/kg	7.2	2.5	ND	2.5	89	2.9

Concentrations reported as ND were not detected at or above the reporting limit.

LOG NUMBER: 1500
 DATE SAMPLED: 11/08/91
 DATE RECEIVED: 11/08/91
 DATE EXTRACTED: 11/11/91
 DATE ANALYZED: 11/12/91
 DATE REPORTED:
 PAGE: Fourteen

Sample Type: Soil

Method and Constituent:	Units	Concentration	Reporting Limit	Method Blank		OC Summary	
				Concentration	Reporting Limit	% Recovery	% RPD
EPA Method 7130: Cadmium	mg/kg	1.0	0.25	ND	0.25	106	2.1
EPA Method 7190: Chromium	mg/kg	24	1.2	ND	1.2	82	0.6
EPA Method 7420: Lead	mg/kg	68	2.5	ND	2.5	89	2.9
EPA Method 7520: Nickel	mg/kg	18	7.5	ND	7.5	103	1.9
EPA Method 7950: Zinc	mg/kg	90	1.2	ND	1.2	95	0.85

Concentrations reported as ND were not detected at or above the reporting limit.

Louis R. DuPuis
 Quality Assurance/Quality Control Manager