

1252 Quarry Lane  
P.O. Box 9019  
Pleasanton, CA 94566  
(510) 426-2600  
Fax (510) 426-0106

**Clayton**  
ENVIRONMENTAL  
CONSULTANTS

August 9, 1993

✓  
*Lead Removal results*

Mr. Mike Holbrook  
CLAYTON ENVIRONMENTAL CONSULTANTS, INC.  
1252 Quarry Lane  
Pleasanton, CA 94566

Client Ref.: 49872.00  
Clayton Project No.: 93080.69

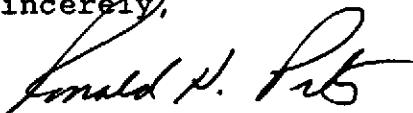
Dear Mr. Holbrook:

Attached is our analytical laboratory report for the samples received on August 5, 1993. A copy of the Chain-of-Custody form acknowledging receipt of these samples is attached.

Please note that any unused portion of the samples will be disposed of after October 8, 1993, unless you have requested otherwise.

We appreciate the opportunity to be of assistance to you. If you have any questions, please contact Suzanne Silvera, Client Services Supervisor, at (510) 426-2657.

Sincerely,



Ronald H. Peters, CIH  
Director, Laboratory Services  
Western Operations

RHP/caa  
Attachments

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 49872.00  
Clayton Project No. 93080.69

Sample Identification:	1A	Date Sampled:	08/05/93
Lab Number:	9308069-01A	Date Received:	08/05/93
Sample Matrix/Media:	SOIL	Date Prepared:	08/05/93
Preparation Method:	EPA 5030	Date Analyzed:	08/06/93
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	0.10	0.005
Ethylbenzene	100-41-4	1.6	0.005
Toluene	108-88-3	1.1	0.005
o-Xylene	95-47-6	2.9	0.005
p,m-Xylenes	--	6.9	0.005
Gasoline	--	(47)	0.3
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
1,4-Difluorobenzene	540-36-3	112	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable  
Results are reported on a wet weight basis, as received

Soil Sample collected from under  
gasoline dispensing pump APX 2' BGS

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 49872.00  
Clayton Project No. 93080.69

Sample Identification:	1B	Date Sampled:	08/05/93
Lab Number:	9308069-02A	Date Received:	08/05/93
Sample Matrix/Media:	SOIL	Date Prepared:	08/05/93
Preparation Method:	EPA 5030	Date Analyzed:	08/06/93
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<b><u>BTEX/Gasoline</u></b>			
Benzene	71-43-2	0.010	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	0.013	0.005
o-Xylene	95-47-6	ND	0.005
p,m-Xylenes	--	0.008	0.005
Gasoline	--	0.6	0.3
<b><u>Surrogates</u></b>		<b><u>Recovery (%)</u></b>	<b><u>QC Limits (%)</u></b>
1,4-Difluorobenzene	540-36-3	100	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable  
Results are reported on a wet weight basis, as received

Soil Sample Collected at East side of excavation  
under gas tank - approx 12' to 13' Below ground surface (BGS)

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 49872.00  
Clayton Project No. 93080.69

Sample Identification:	1C	Date Sampled:	08/05/93
Lab Number:	9308069-03A	Date Received:	08/05/93
Sample Matrix/Media:	SOIL	Date Prepared:	08/05/93
Preparation Method:	EPA 5030	Date Analyzed:	08/06/93
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	0.010	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	0.011	0.005
p,m-Xylenes	--	0.015	0.005
Gasoline	--	1.4	0.3
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
1,4-Difluorobenzene	540-36-3	100	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable  
Results are reported on a wet weight basis, as received

Sample collected at west end of Excavation  
APX 12' to 13' deep (BGS)

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 49872.00  
Clayton Project No. 93080.69

Sample Identification:	3A	Date Sampled:	08/05/93
Lab Number:	9308069-07A	Date Received:	08/05/93
Sample Matrix/Media:	SOIL	Date Prepared:	08/05/93
Preparation Method:	EPA 5030	Date Analyzed:	08/09/93
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<b><u>BTEX/Gasoline</u></b>			
Benzene	71-43-2	0.60	0.005
Ethylbenzene	100-41-4	0.15	0.005
Toluene	108-88-3	0.21	0.005
o-Xylene	95-47-6	0.29	0.005
p,m-Xylenes	--	0.84	0.005
Gasoline	--	24	0.3
<b><u>Surrogates</u></b>		<b><u>Recovery (%)</u></b>	<b><u>OC Limits (%)</u></b>
1,4-Difluorobenzene	540-36-3	105	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable  
Results are reported on a wet weight basis, as received

Sample collected at East End of  
Waste Mill Tank Excavator Apx 8 to 9' BGS

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 49872.00  
Clayton Project No. 93080.69

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9308069-11A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Prepared:	08/05/93
Preparation Method:	EPA 5030	Date Analyzed:	08/06/93
Analytical Method:	EPA 8015/8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>BTEX/Gasoline</u>			
Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	ND	0.005
p,m-Xylenes	--	ND	0.005
Gasoline	--	ND	0.3
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
1,4-Difluorobenzene	540-36-3	90	50 - 150

ND: Not detected at or above limit of detection  
 --: Information not available or not applicable  
 Results are reported on a wet weight basis, as received

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 49872.00  
Clayton Project No. 93080.69

Sample Identification:	2A <sup>SB</sup>	Date Sampled:	08/05/93
Lab Number:	9308069-04A	Date Received:	08/05/93
Sample Matrix/Media:	SOIL	Date Extracted:	08/05/93
Extraction Method:	EPA 5030	Date Analyzed:	08/06/93
Analytical Method:	EPA 8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<b>BTEX</b>			
Benzene	71-43-2	1.0	0.005
Ethylbenzene	100-41-4	3.5	0.005
Toluene	108-88-3	2.8	0.005
o-Xylene	95-47-6	4.5	0.005
p,m-Xylenes	--	9.1	0.005
<b>Surrogates</b>		<b>Recovery (%)</b>	<b>QC Limits (%)</b>
1,4-Difluorobenzene	540-36-3	87	50 - 150

*do not  
correct for it*

ND: Not detected at or above limit of detection  
--: Information not available or not applicable  
Results are reported on a wet weight basis, as received

*Sample collected at west end of  
waste oil tank excavation APT 8109' BGS*

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 49872.00  
Clayton Project No. 93080.69

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9308069-11A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Extracted:	08/05/93
Extraction Method:	EPA 5030	Date Analyzed:	08/06/93
Analytical Method:	EPA 8020		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<b>BTEX</b>			
Benzene	71-43-2	ND	0.005
Ethylbenzene	100-41-4	ND	0.005
Toluene	108-88-3	ND	0.005
o-Xylene	95-47-6	ND	0.005
p,m-Xylenes	--	ND	0.005
<b>Surrogates</b>		<b>Recovery (%)</b>	<b>OC Limits (%)</b>
1,4-Difluorobenzene	540-36-3	90	50 - 150

ND: Not detected at or above limit of detection  
 --: Information not available or not applicable  
 Results are reported on a wet weight basis, as received



Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 49872.00  
Clayton Project No. 93080.69

Sample Identification:	3A	Date Sampled:	08/05/93
Lab Number:	9308069-07A	Date Received:	08/05/93
Sample Matrix/Media:	SOIL	Date Prepared:	08/05/93
Preparation Method:	EPA 5030	Date Analyzed:	08/05/93
Analytical Method:	EPA 8010		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Purgeable Halocarbons</u>			
Bromodichloromethane	75-27-4	ND	0.07
Bromoform	75-25-2	ND	0.07
Bromomethane	74-83-9	ND	0.07
Carbon tetrachloride	56-23-5	ND	0.06
Chlorobenzene	108-90-7	ND	0.07
Chloroethane	75-00-3	ND	0.05
2-Chloroethylvinyl ether	110-75-8	ND	0.1
Chloroform	67-66-3	ND	0.05
Chloromethane	74-87-3	ND	0.06
Dibromochloromethane	124-48-1	ND	0.06
1,2-Dichlorobenzene	95-50-1	ND	0.4
1,3-Dichlorobenzene	541-73-1	ND	0.2
1,4-Dichlorobenzene	106-46-7	ND	0.4
Dichlorodifluoromethane	75-71-8	ND	0.1
1,1-Dichloroethane	75-34-3	ND	0.04
1,2-Dichloroethane	107-06-2	ND	0.03
1,1-Dichloroethene	75-35-4	ND	0.03
cis-1,2-Dichloroethene	156-59-2	ND	0.04
trans-1,2-Dichloroethene	156-60-5	ND	0.04
1,2-Dichloropropane	78-87-5	ND	0.05
cis-1,3-Dichloropropene	10061-01-5	ND	0.05
trans-1,3-Dichloropropene	10061-02-6	ND	0.06
Freon 113	76-13-1	ND	0.06
Methylene chloride	75-09-2	ND	0.2
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.05
Tetrachloroethene	127-18-4	ND	0.05
1,1,1-Trichloroethane	71-55-6	ND	0.05
1,1,2-Trichloroethane	79-00-5	ND	0.06
Trichloroethene	79-01-6	ND	0.03
Trichlorofluoromethane	75-69-4	ND	0.04
Vinyl chloride	75-01-4	ND	0.05

Waste oil EXCISOR samples

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 49872.00  
Clayton Project No. 93080.69

Sample Identification:	3A	Date Sampled:	08/05/93
Lab Number:	9308069-07A	Date Received:	08/05/93
Sample Matrix/Media:	SOIL	Date Prepared:	08/05/93
Preparation Method:	EPA 5030	Date Analyzed:	08/05/93
Analytical Method:	EPA 8010		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Surrogates</u>			
		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
Bromochloromethane	74-97-5	95	50 - 150

ND: Not detected at or above limit of detection  
--: Information not available or not applicable  
Results are reported on a wet weight basis, as received

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 49872.00  
Clayton Project No. 93080.69

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9308069-11A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Prepared:	08/05/93
Preparation Method:	EPA 5030	Date Analyzed:	08/05/93
Analytical Method:	EPA 8010		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Purgeable Halocarbons</u>			
Bromodichloromethane	75-27-4	ND	0.07
Bromoform	75-25-2	ND	0.07
Bromomethane	74-83-9	ND	0.07
Carbon tetrachloride	56-23-5	ND	0.06
Chlorobenzene	108-90-7	ND	0.07
Chloroethane	75-00-3	ND	0.05
2-Chloroethylvinyl ether	110-75-8	ND	0.1
Chloroform	67-66-3	ND	0.05
Chloromethane	74-87-3	ND	0.06
Dibromochloromethane	124-48-1	ND	0.06
1,2-Dichlorobenzene	95-50-1	ND	0.4
1,3-Dichlorobenzene	541-73-1	ND	0.2
1,4-Dichlorobenzene	106-46-7	ND	0.4
Dichlorodifluoromethane	75-71-8	ND	0.1
1,1-Dichloroethane	75-34-3	ND	0.04
1,2-Dichloroethane	107-06-2	ND	0.03
1,1-Dichloroethene	75-35-4	ND	0.03
cis-1,2-Dichloroethene	156-59-2	ND	0.04
trans-1,2-Dichloroethene	156-60-5	ND	0.04
1,2-Dichloropropane	78-87-5	ND	0.05
cis-1,3-Dichloropropene	10061-01-5	ND	0.05
trans-1,3-Dichloropropene	10061-02-6	ND	0.06
Freon 113	76-13-1	ND	0.06
Methylene chloride	75-09-2	ND	0.2
1,1,2,2-Tetrachloroethane	79-34-5	ND	0.05
Tetrachloroethene	127-18-4	ND	0.05
1,1,1-Trichloroethane	71-55-6	ND	0.05
1,1,2-Trichloroethane	79-00-5	ND	0.06
Trichloroethene	79-01-6	ND	0.03
Trichlorofluoromethane	75-69-4	ND	0.04
Vinyl chloride	75-01-4	ND	0.05

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 49872.00  
Clayton Project No. 93080.69

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9308069-11A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Prepared:	08/05/93
Preparation Method:	EPA 5030	Date Analyzed:	08/05/93
Analytical Method:	EPA 8010		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
Bromochloromethane	74-97-5	96	50 - 150

ND: Not detected at or above limit of detection  
 --: Information not available or not applicable  
 Results are reported on a wet weight basis, as received

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 49872.00  
Clayton Project No. 93080.69

Sample Identification:	3A	Date Sampled:	08/05/93
Lab Number:	9308069-07A	Date Received:	08/05/93
Sample Matrix/Media:	SOIL	Date Extracted:	08/05/93
Extraction Method:	EPA 3550	Date Analyzed:	08/06/93
Analytical Method:	EPA 8270		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Acid Extractables</u>			
4-Chloro-3-methylphenol	59-50-7	ND	2
2-Chlorophenol	95-57-8	ND	2
2,4-Dichlorophenol	120-83-2	ND	2
2,4-Dimethylphenol	105-67-9	ND	2
2,4-Dinitrophenol	51-28-5	ND	10
2-Methyl-4,6-dinitrophenol	534-52-1	ND	10
2-Methylphenol	95-48-7	ND	2
4-Methylphenol	106-44-5	ND	2
2-Nitrophenol	88-75-5	ND	2
4-Nitrophenol	100-02-7	ND	10
Pentachlorophenol	87-86-5	ND	10
Phenol	108-95-2	ND	2
2,4,5-Trichlorophenol	95-95-4	ND	2
2,4,6-Trichlorophenol	88-06-2	ND	2

Base/Neutral Extractables

Acenaphthene	83-32-9	ND	2
Acenaphthylene	208-96-8	ND	2
Anthracene	120-12-7	ND	2
Benzydine	92-87-5	ND	50
Benzoic acid	65-85-0	ND	8
Benzo(a)anthracene	56-55-3	ND	2
Benzo(b)fluoranthene	205-99-2	ND	2
Benzo(k)fluoranthene	207-08-9	ND	2
Benzo(ghi)perylene	191-24-2	ND	2
Benzo(a)pyrene	50-32-8	ND	2
Benzyl alcohol	100-51-6	ND	4
Benzyl butyl phthalate	85-68-7	ND	2
Bis(2-chloroethoxy)methane	111-91-1	ND	2
Bis(2-chloroethyl)ether	111-44-4	ND	2
Bis(2-chloroisopropyl)ether	108-60-1	ND	2
Bis(2-ethylhexyl)phthalate	117-81-7	ND	20
4-Bromophenyl phenyl ether	101-55-3	ND	2
4-Chloroaniline	106-47-8	ND	10

Waste oil tank

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 49872.00  
Clayton Project No. 93080.69

Sample Identification:	3A	Date Sampled:	08/05/93
Lab Number:	9308069-07A	Date Received:	08/05/93
Sample Matrix/Media:	SOIL	Date Extracted:	08/05/93
Extraction Method:	EPA 3550	Date Analyzed:	08/06/93
Analytical Method:	EPA 8270		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Base/Neutral Extractables (continued)</u>			
2-Chloronaphthalene	91-58-7	ND	2
4-Chlorophenyl phenyl ether	7005-72-3	ND	2
Chrysene	218-01-9	ND	2
Dibenzo(a,h)anthracene	53-70-3	ND	2
Dibenzofuran	132-64-9	ND	2
Di-n-butylphthalate	84-74-2	ND	2
1,2-Dichlorobenzene	95-50-1	ND	2
1,3-Dichlorobenzene	541-73-1	ND	2
1,4-Dichlorobenzene	106-46-7	ND	2
3,3'-Dichlorobenzidine	91-94-1	ND	50
Diethylphthalate	84-66-2	ND	2
Dimethylphthalate	131-11-3	ND	2
2,4-Dinitrotoluene	121-14-2	ND	2
2,6-Dinitrotoluene	606-20-2	ND	2
Di-n-octylphthalate	117-84-0	ND	2
Fluoranthene	206-44-0	ND	2
Fluorene	86-73-7	ND	2
Hexachlorobenzene	118-74-1	ND	2
Hexachlorobutadiene	87-68-3	ND	2
Hexachlorocyclopentadiene	77-47-4	ND	20
Hexachloroethane	67-72-1	ND	2
Indeno(1,2,3-cd)pyrene	193-39-5	ND	2
Isophorone	78-59-1	ND	2
2-Methyl naphthalene	91-57-6	ND	2
Naphthalene	91-20-3	ND	2
2-Nitroaniline	88-74-4	ND	10
3-Nitroaniline	99-09-2	ND	10
4-Nitroaniline	100-01-6	ND	10
Nitrobenzene	98-95-3	ND	2
N-Nitrosodiphenylamine	86-30-6	ND	2
N-Nitrosodi-n-propylamine	621-64-7	ND	2
Phenanthrene	85-01-8	ND	2
Pyrene	129-00-0	ND	2

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 49872.00  
Clayton Project No. 93080.69

Sample Identification:	3A	Date Sampled:	08/05/93
Lab Number:	9308069-07A	Date Received:	08/05/93
Sample Matrix/Media:	SOIL	Date Extracted:	08/05/93
Extraction Method:	EPA 3550	Date Analyzed:	08/06/93
Analytical Method:	EPA 8270		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Base/Neutral Extractables (continued)</u>			
1,2,4-Trichlorobenzene	120-82-1	ND	2
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>OC Limits (%)</u>
2-Fluorobiphenyl	321-60-8	78	30 - 115
2-Fluorophenol	367-12-4	80	25 - 121
Nitrobenzene-d5	4165-60-0	51	23 - 120
Phenol-d6	13127-88-3	70	24 - 113
Terphenyl-d14	98904-43-9	79	18 - 137
2,4,6-Tribromophenol	118-79-6	67	19 - 122

ND: Not detected at or above limit of detection  
--: Information not available or not applicable  
Results are reported on a wet weight basis, as received

Note: Detection limits increased due to matrix interference.

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 49872.00  
Clayton Project No. 93080.69

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9308069-11A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Extracted:	08/05/93
Extraction Method:	EPA 3550	Date Analyzed:	08/06/93
Analytical Method:	EPA 8270		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
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Acid Extractables

4-Chloro-3-methylphenol	59-50-7	ND	0.2
2-Chlorophenol	95-57-8	ND	0.2
2,4-Dichlorophenol	120-83-2	ND	0.2
2,4-Dimethylphenol	105-67-9	ND	0.2
2,4-Dinitrophenol	51-28-5	ND	1
2-Methyl-4,6-dinitrophenol	534-52-1	ND	1
2-Methylphenol	95-48-7	ND	0.2
4-Methylphenol	106-44-5	ND	0.2
2-Nitrophenol	88-75-5	ND	0.2
4-Nitrophenol	100-02-7	ND	1
Pentachlorophenol	87-86-5	ND	1
Phenol	108-95-2	ND	0.2
2,4,5-Trichlorophenol	95-95-4	ND	0.2
2,4,6-Trichlorophenol	88-06-2	ND	0.2

Base/Neutral Extractables

Acenaphthene	83-32-9	ND	0.2
Acenaphthylene	208-96-8	ND	0.2
Anthracene	120-12-7	ND	0.2
Benzydine	92-87-5	ND	5
Benzoic acid	65-85-0	ND	0.8
Benzo(a)anthracene	56-55-3	ND	0.2
Benzo(b)fluoranthene	205-99-2	ND	0.2
Benzo(k)fluoranthene	207-08-9	ND	0.2
Benzo(ghi)perylene	191-24-2	ND	0.2
Benzo(a)pyrene	50-32-8	ND	0.2
Benzyl alcohol	100-51-6	ND	0.4
Benzyl butyl phthalate	85-68-7	ND	0.2
Bis(2-chloroethoxy)methane	111-91-1	ND	0.2
Bis(2-chloroethyl)ether	111-44-4	ND	0.2
Bis(2-chloroisopropyl)ether	108-60-1	ND	0.2
Bis(2-ethylhexyl)phthalate	117-81-7	ND	2
4-Bromophenyl phenyl ether	101-55-3	ND	0.2
4-Chloroaniline	106-47-8	ND	1



Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 49872.00  
Clayton Project No. 93080.69

Sample Identification:	METHOD BLANK	Date Sampled:	--
Lab Number:	9308069-11A	Date Received:	--
Sample Matrix/Media:	SOIL	Date Extracted:	08/05/93
Extraction Method:	EPA 3550	Date Analyzed:	08/06/93
Analytical Method:	EPA 8270		

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Base/Neutral Extractables (continued)</u>			
2-Chloronaphthalene	91-58-7	ND	0.2
4-Chlorophenyl phenyl ether	7005-72-3	ND	0.2
Chrysene	218-01-9	ND	0.2
Dibenzo(a,h)anthracene	53-70-3	ND	0.2
Dibenzofuran	132-64-9	ND	0.2
Di-n-butylphthalate	84-74-2	ND	0.2
1,2-Dichlorobenzene	95-50-1	ND	0.2
1,3-Dichlorobenzene	541-73-1	ND	0.2
1,4-Dichlorobenzene	106-46-7	ND	0.2
3,3'-Dichlorobenzidine	91-94-1	ND	5
Diethylphthalate	84-66-2	ND	0.2
Dimethylphthalate	131-11-3	ND	0.2
2,4-Dinitrotoluene	121-14-2	ND	0.2
2,6-Dinitrotoluene	606-20-2	ND	0.2
Di-n-octylphthalate	117-84-0	ND	0.2
Fluoranthene	206-44-0	ND	0.2
Fluorene	86-73-7	ND	0.2
Hexachlorobenzene	118-74-1	ND	0.2
Hexachlorobutadiene	87-68-3	ND	0.2
Hexachlorocyclopentadiene	77-47-4	ND	2
Hexachloroethane	67-72-1	ND	0.2
Indeno(1,2,3-cd)pyrene	193-39-5	ND	0.2
Isophorone	78-59-1	ND	0.2
2-Methyl naphthalene	91-57-6	ND	0.2
Naphthalene	91-20-3	ND	0.2
2-Nitroaniline	88-74-4	ND	1
3-Nitroaniline	99-09-2	ND	1
4-Nitroaniline	100-01-6	ND	1
Nitrobenzene	98-95-3	ND	0.2
N-Nitrosodiphenylamine	86-30-6	ND	0.2
N-Nitrosodi-n-propylamine	621-64-7	ND	0.2
Phenanthrene	85-01-8	ND	0.2
Pyrene	129-00-0	ND	0.2

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 49872.00  
Clayton Project No. 93080.69

Sample Identification: METHOD BLANK	Date Sampled: --
Lab Number: 9308069-11A	Date Received: --
Sample Matrix/Media: SOIL	Date Extracted: 08/05/93
Extraction Method: EPA 3550	Date Analyzed: 08/06/93
Analytical Method: EPA 8270	

Analyte	CAS #	Concentration (mg/kg)	Limit of Detection (mg/kg)
<u>Base/Neutral Extractables (continued)</u>			
1,2,4-Trichlorobenzene	120-82-1	ND	0.2
<u>Surrogates</u>		<u>Recovery (%)</u>	<u>QC Limits (%)</u>
2-Fluorobiphenyl	321-60-8	91	30 - 115
2-Fluorophenol	367-12-4	113	25 - 121
Nitrobenzene-d5	4165-60-0	81	23 - 120
Phenol-d6	13127-88-3	110	24 - 113
Terphenyl-d14	98904-43-9	108	18 - 137
2,4,6-Tribromophenol	118-79-6	102	19 - 122

ND: Not detected at or above limit of detection  
--: Information not available or not applicable  
Results are reported on a wet weight basis, as received

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 49872.00  
Clayton Project No. 93080.69

Sample Matrix/Media: SOIL  
Preparation Method: SM 5520E  
Analysis Method: SM 5520F

Date Received: 08/05/93  
Date Prepared: 08/05/93  
Date Analyzed: 08/06/93

Lab Number	Sample Identification	Date Sampled	Hydrocarbons (mg/kg)	Detection Limit (mg/kg)
07A	3A	08/05/93	670	50
08A	3B	08/05/93	3,300	50
09A	4A	08/05/93	2,500	50
10A	4B	08/05/93	1,900	50
11A	METHOD BLANK	--	ND	50

ND Not detected at or above limit of detection  
< Not detected at or above limit of detection  
-- Information not available or not applicable

Results are reported on a wet weight basis, as received

3A EAST End Waste oil tank Excavation  
3B WEST " " " "  
4A EAST End Lube oil tank Excavation  
4B WEST " " " "

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 49872.00  
Clayton Project No. 93080.69

Sample Matrix/Media: SOIL  
Preparation Method: EPA 3050  
Analysis Method: EPA 6010

Date Received: 08/05/93  
Date Prepared: 08/06/93  
Date Analyzed: 08/06/93

Lab Number	Sample Identification	Date Sampled	Cadmium (mg/kg)	Detection Limit (mg/kg)
07A	3A	08/05/93	0.4	0.1
11A	METHOD BLANK	--	<0.1	0.1

ND Not detected at or above limit of detection  
< Not detected at or above limit of detection  
-- Information not available or not applicable

Results are reported on a wet weight basis, as received

WASTE OIL tank

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 49872.00  
Clayton Project No. 93080.69

Sample Matrix/Media: SOIL  
Preparation Method: EPA 3050  
Analysis Method: EPA 6010

Date Received: 08/05/93  
Date Prepared: 08/06/93  
Date Analyzed: 08/06/93

Lab Number	Sample Identification	Date Sampled	Chromium (mg/kg)	Detection Limit (mg/kg)
07A	3A	08/05/93	24	1
11A	METHOD BLANK	--	<1	1

ND Not detected at or above limit of detection  
< Not detected at or above limit of detection  
-- Information not available or not applicable

Results are reported on a wet weight basis, as received

WASTE OIL TANK

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 49872.00  
Clayton Project No. 93080.69

Sample Matrix/Media: SOIL  
Preparation Method: EPA 3050  
Analysis Method: EPA 6010

Date Received: 08/05/93  
Date Prepared: 08/06/93  
Date Analyzed: 08/06/93

Lab Number	Sample Identification	Date Sampled	Nickel (mg/kg)	Detection Limit (mg/kg)
07A	3A	08/05/93	34	1
11A	METHOD BLANK	--	<1	1

ND Not detected at or above limit of detection  
< Not detected at or above limit of detection  
-- Information not available or not applicable

Results are reported on a wet weight basis, as received

WASTE oil tank

**Results of Analysis**  
 for  
**Clayton Environmental Consultants, Inc.**

Client Reference: 49872.00  
 Clayton Project No. 93080.69

Sample Matrix/Media: SOIL	Date Received: 08/05/93
Preparation Method: EPA 3050	Date Prepared: 08/06/93
Analysis Method: EPA 6010	Date Analyzed: 08/06/93

Lab Number	Sample Identification	Date Sampled	Lead (mg/kg)	Detection Limit (mg/kg)
07A	3A	08/05/93	75	1
11A	METHOD BLANK	--	<1	1

ND Not detected at or above limit of detection  
 < Not detected at or above limit of detection  
 -- Information not available or not applicable

Results are reported on a wet weight basis, as received

WASTE OIL TML

Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 49872.00  
Clayton Project No. 93080.69

Sample Matrix/Media: SOIL  
Preparation Method: EPA 3550  
Analysis Method: EPA 8015 (Modified)

Date Received: 08/05/93  
Date Prepared: 08/05/93  
Date Analyzed: 08/06/93

Lab Number	Sample Identification	Date Sampled	TPH-D (mg/kg)	Detection Limit (mg/kg)
02A	1B	08/05/93	330 a	1
04A	2A	08/05/93	14,000	1
05A	2B	08/05/93	13,000	1
06A	2C	08/05/93	890 a	1
07A	3A	08/05/93	1,200 a	1
11A	METHOD BLANK	--	ND	1

ND Not detected at or above limit of detection  
< Not detected at or above limit of detection  
-- Information not available or not applicable

Results are reported on a wet weight basis, as received  
TPH-D = Extractable petroleum hydrocarbons from C10 to C42  
quantitated as diesel.

a Sample does not match typical diesel pattern. Sample appears to be oil.

- 1-B - East end of Excavator, under gas tank location  
12' to 13' BGS
- 2-A - Under Diesel pump APX 2' BGS
- 2-B - East end of Excavator under diesel tank location  
12' to 13' BGS
- 2-C - WEST End of Diesel tank 12' to 13' BGS
- 3-A WASTE OIL TANK EXCAVATION EAST END



Results of Analysis  
for  
Clayton Environmental Consultants, Inc.

Client Reference: 49872.00  
Clayton Project No. 93080.69

Sample Matrix/Media: SOIL Date Received: 08/05/93  
Preparation Method: EPA 5030 Date Prepared: 08/05/93  
Analysis Method: EPA 8015 (Modified) Date Analyzed: 08/09/93

Lab Number	Sample Identification	Date Sampled	TPH-G (mg/kg)	Detection Limit (mg/kg)
05A	2B	08/05/93	74a	0.3

ND Not detected at or above limit of detection  
< Not detected at or above limit of detection  
-- Information not available or not applicable

Results are reported on a wet weight basis, as received  
TPH-G = Volatile petroleum hydrocarbons from C4 to C12  
quantitated as gasoline  
a Purgeable hydrocarbons quantitated as gasoline may be due  
to heavier petroleum products

*Diesel Tank Excavator EAST End 12' to 13' BGS*

Results of Analysis  
 for  
 Clayton Environmental Consultants, Inc.

Client Reference: 49872.00  
 Clayton Project No. 93080.69

Sample Matrix/Media: SOIL Date Received: 08/05/93  
 Preparation Method: EPA 3050 Date Prepared: 08/06/93  
 Analysis Method: EPA 6010 Date Analyzed: 08/06/93

Lab Number	Sample Identification	Date Sampled	Zinc (mg/kg)	Detection Limit (mg/kg)
07A	3A	08/05/93	130	1
11A	METHOD BLANK	--	<1	1

ND Not detected at or above limit of detection  
 < Not detected at or above limit of detection  
 -- Information not available or not applicable

Results are reported on a wet weight basis, as received

WASTE OIL TANK Excavation

# Clayton

ENVIRONMENTAL  
CONSULTANTS

A Marsh & McLennan Company

*CMC TRUCK CALENDAR*

## REQUEST FOR LABORATORY ANALYTICAL SERVICES

*Hold for 60 days*

For Clayton Use Only		Page _____ of _____
Project No. _____		
Batch No. <b>9308069</b>		
Ind. Code	W.P.	
Date Logged In	By	

REPORT RESULTS TO	Name <i>Ho /brook</i>	Title	Purchase Order No.		Client Job No. <i>49872.00</i>				
	Company <i>Clayton</i>	Dept. <i>EE</i>	Name <i>MD Hullah</i>		Company				
	Mailing Address		Address		Dept.				
	City, State, Zip		City, State, Zip						
Telephone No.	Telefax No.	SEND INVOICE TO		ANALYSIS REQUESTED					
Date Results Req.: <i>8/6/93</i>	Rush Charges Authorized? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Phone / Fax Results <input type="checkbox"/> <input type="checkbox"/>	Samples are: (check if applicable)		(Enter an 'X' in the box below to indicate request; Enter a 'P' if Preservative added. *)				
Special Instructions: (method, limit of detection, etc.) <i>NOTIFY Mc ELLYRATH WITH RESULTS on 8/6/93 VERBEL</i>		<input type="checkbox"/> Drinking Water <input type="checkbox"/> Collected in the State of New York		Number of Containers	BTEX			FOR LAB USE ONLY	
Explanation of Preservative:					TPH Gas				
CLIENT SAMPLE IDENTIFICATION		DATE SAMPLED	MATRIX/MEDIA		AIR VOLUME (specify units)	Oil Diesel			
<i>1A 1" Under gas pump</i>		<i>8/5/93</i>	<i>Soil</i>		<i>Med S.C.</i>	<i>CCl<sub>4</sub> 100 mg/L</i>			
<i>1B EAST Side tank pit 10' BGS</i>		<i>8/5/93</i>	<i>Soil</i>			<i>800 mg/L</i>			
<i>1C WEST Side tank pit 10' BGS</i>		<i>" "</i>	<i>Soil</i>			<i>800 mg/L</i>			
<i>2A Under diesel pump 1' deep</i>		<i>8/5/93</i>	<i>Soil</i>			<i>CCl<sub>4</sub> 100 mg/L</i>			
<i>2B Tank pit EAST 10' BGS</i>		<i>" "</i>	<i>" "</i>			<i>800 mg/L</i>			
<i>2C Tank pit 10' BGS</i>		<i>" "</i>	<i>" "</i>			<i>CCl<sub>4</sub> 100 mg/L</i>			
<i>3A WASTE OIL Tank pit 8' BGS</i>		<i>" "</i>	<i>Soil</i>			<i>CCl<sub>4</sub> 100 mg/L</i>			
<i>3B " " WEST 8' BGS</i>		<i>" "</i>	<i>Soil</i>		<i>CCl<sub>4</sub> 100 mg/L</i>				
<i>4A LUBE OIL Tank EAST 8' FT BGS</i>					<i>CCl<sub>4</sub> 100 mg/L</i>				
<i>4B " " WEST 8' FT BGS</i>					<i>CCl<sub>4</sub> 100 mg/L</i>				
CHAIN OF CUSTODY	Collected by: <i>MD Hullah</i>	(print)	Collector's Signature: <i>MD Hullah</i>						
	Relinquished by: <i>MD Hullah</i>	Date/Time: <i>8/5/93 7:00</i>	Received by:		Date/Time				
	Relinquished by:	Date/Time:	Received at Lab by: <i>Tony Kato</i>		Date/Time: <i>8/5/93 4:10pm</i>				
	Method of Shipment: <i>Hand Del.</i>	Sample Condition Upon Receipt: <input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)							
Authorized by: <i>MD Hullah</i>		Date: <i>8/5/93</i>							
(Client Signature Must Accompany Request)									

Please return completed form and samples to one of the Clayton Environmental Consultants, Inc. labs listed below:

- |   |   |  |  |
|---|---|--|--|
| 22345 Roethel Drive<br>Novi, MI 48375<br>(313) 344-1770 | Raritan Center<br>160 Fieldcrest Ave.<br>Edison, NJ 08837<br>(908) 225-6040 | 400 Chastain Center Blvd., N.W.<br>Suite 490<br>Kennesaw, GA 30144<br>(404) 499-7500 | 1252 Quarry Lane<br>Pleasanton, CA 94566<br>(510) 426-2657 |
|---|---|--|--|

DISTRIBUTION:  
 WHITE - Clayton Laboratory  
 YELLOW - Clayton Accounting  
 PINK - Client Retains