



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

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

Clark's Home & Garden  
537 Hidden Valley Road  
Grant's Pass, OR 97527

Date: 05-FEB-96  
Lab Job Number: 124133  
Project ID: 960117-53  
Location: Clarks Home & Garden

Reviewed by: Teresa K Morris

Reviewed by: Tracy B...

ENVIRONMENTAL  
PROTECTION  
56 FEB 15 PM 1:27

This package may be reproduced only in its entirety.

Laboratory Number: 124133  
Client: Clark's Home & Garden  
Project: 960117-53

This sample set consists of sample results and batch QC for samples received by Curtis & Tompkins, Ltd. on Jan.19,1996. The BTXE (EPA 8020) results were greater than 5ug/Kg and, per the chain-of-custody, the sample is currently being analyzed by EPA 8240. The EPA 8240 sample results will be available on Feb.9.



## TVH-Total Volatile Hydrocarbons

Client: Clark's Home & Garden  
Project#: 960117-53  
Location: Clarks Home & Garden

Analysis Method: CA LUFT (EPA 8015M)  
Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
124133-001 #1		25476	01/17/96	01/20/96	01/20/96	

Analyte	Units	124133-001
Diln Fac:		1
Gasoline	ug/L	1800
Surrogate		
Trifluorotoluene	%REC	87
Bromobenzene	%REC	109



## BTXE

Client: Clark's Home & Garden  
Project#: 960117-53  
Location: Clarks Home & Garden

Analysis Method: EPA 8020  
Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
124133-001 #1		25476	01/17/96	01/20/96	01/20/96	

Analyte	Units	124133-001
Diln Fac:		1
Benzene	ug/L	10
Toluene	ug/L	<0.5
Ethylbenzene	ug/L	16
m,p-Xylenes	ug/L	13
o-Xylene	ug/L	6.8
Surrogate		
Trifluorotoluene	%REC	84
Bromobenzene	%REC	89



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BATCH QC REPORT

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## TVH-Total Volatile Hydrocarbons

Client: Clark's Home & Garden  
Project#: 960117-53  
Location: Clarks Home & Garden

Analysis Method: CA LUFT (EPA 8015M)  
Prep Method: EPA 5030

## METHOD BLANK

Matrix: Water  
Batch#: 25476  
Units: ug/L  
Diln Fac: 1

Prep Date: 01/19/96  
Analysis Date: 01/19/96

MB Lab ID: QC13381

Analyte	Result		
Gasoline	<50		
Surrogate	%Rec	Recovery Limits	
Trifluorotoluene	85	69-120	
Bromobenzene	85	70-122	



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BATCH QC REPORT

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BTXE			
Client:	Clark's Home & Garden	Analysis Method:	EPA 8020
Project#:	960117-53	Prep Method:	EPA 5030
Location:	Clarks Home & Garden		
METHOD BLANK			
Matrix:	Water	Prep Date:	01/19/96
Batch#:	25476	Analysis Date:	01/19/96
Units:	ug/L		
Diln Fac:	1		

MB Lab ID: QC13381

Analyte	Result	
Benzene	<0.5	
Toluene	<0.5	
Ethylbenzene	<0.5	
m,p-Xylenes	<0.5	
o-Xylene	<0.5	
Surrogate	%Rec	Recovery Limits
Trifluorotoluene	99	58-130
Bromobenzene	101	62-131



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## TVH-Total Volatile Hydrocarbons

Client: Clark's Home & Garden  
Project#: 960117-53  
Location: Clarks Home & Garden

Analysis Method: CA LUFT (EPA 8015M)  
Prep Method: EPA 5030

## LABORATORY CONTROL SAMPLE

Matrix: Water  
Batch#: 25476  
Units: ug/L  
Diln Fac: 1

Prep Date: 01/19/96  
Analysis Date: 01/19/96

LCS Lab ID: QC13384

Analyte	Result	Spike Added	%Rec #	Limits
Gasoline	2163	2000	92	80-120
Surrogate	%Rec	Limits		
Trifluorotoluene	80	69-120		
Bromobenzene	99	70-122		

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

Spike Recovery: 0 out of 1 outside limits



Lab #: 124133

## BATCH QC REPORT

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BTXE	
Client: Clark's Home & Garden	Analysis Method: EPA 8020
Project#: 960117-53	Prep Method: EPA 5030
Location: Clarks Home & Garden	
BLANK SPIKE/BLANK SPIKE DUPLICATE	
Matrix: Water	Prep Date: 01/19/96
Batch#: 25476	Analysis Date: 01/19/96
Units: ug/L	
Diln Fac: 1	

BS Lab ID: QC13382

Analyte	Spike Added	BS	%Rec #	Limits
Benzene	20	17.4	87	80-120
Toluene	20	17.7	89	80-120
Ethylbenzene	20	17.6	88	80-120
m,p-Xylenes	40	36	90	80-120
o-Xylene	20	17.6	88	80-120
Surrogate	%Rec	Limits		
Trifluorotoluene	104	58-130		
Bromobenzene	103	62-131		

BSD Lab ID: QC13383

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
Benzene	20	17.5	88	80-120	0	<20
Toluene	20	17.7	89	80-120	0	<20
Ethylbenzene	20	17.6	88	80-120	0	<20
m,p-Xylenes	40	36.1	90	80-120	0	<20
o-Xylene	20	17.7	89	80-120	0	<20
Surrogate	%Rec	Limits				
Trifluorotoluene	103	58-130				
Bromobenzene	102	62-131				

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits





## TEH-Tot Ext Hydrocarbons

Client: Clark's Home & Garden  
Project#: 960117-53  
Location: Clarks Home & Garden

Analysis Method: CA LUFT (EPA 8015M)  
Prep Method: EPA 3520

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
124133-001 #1		25638	01/17/96	01/29/96	02/02/96	

Analyte	Units	124133-001
Diln Fac:		1
Diesel Range	ug/L	1800 YL
Surrogate		
Hexacosane	%REC	88

Y: Sample exhibits fuel pattern which does not resemble standard

L: Lighter hydrocarbons than indicated standard



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BATCH QC REPORT

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## TEH-Tot Ext Hydrocarbons

Client: Clark's Home & Garden  
Project#: 960117-53  
Location: Clarks Home & Garden

Analysis Method: CA LUFT (EPA 8015M)  
Prep Method: EPA 3520

## METHOD BLANK

Matrix: Water  
Batch#: 25638  
Units: ug/L  
Diln Fac: 1

Prep Date: 01/29/96  
Analysis Date: 02/01/96

MB Lab ID: QC13985

Analyte	Result	
Diesel Range	<50	
Surrogate	%Rec	Recovery Limits
Hexacosane	98	60-140



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## BATCH QC REPORT

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## TEH-Tot Ext Hydrocarbons

Client: Clark's Home & Garden  
 Project#: 960117-53  
 Location: Clarks Home & Garden

Analysis Method: CA LUFT (EPA 8015M)  
 Prep Method: EPA 3520

## BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water  
 Batch#: 25638  
 Units: ug/L  
 Diln Fac: 1

Prep Date: 01/29/96  
 Analysis Date: 02/01/96

BS Lab ID: QC13986

Analyte	Spike Added	BS	%Rec #	Limits
Diesel Range	2475	2181	88	60-140
Surrogate	%Rec	Limits		
Hexacosane	92	60-140		

BSD Lab ID: QC13987

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
Diesel Range	2475	2204	89	60-140	0	<35
Surrogate	%Rec	Limits				
Hexacosane	94	60-140				

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 1 outside limits

Spike Recovery: 0 out of 2 outside limits

# BLAINE TECH SERVICES INC.

1241  
985 TIMOTHY DRIVE  
SAN JOSE, CA 95133  
(408) 995-5535  
FAX (408) 293-8773

LAB Curtis + Tompkins DHS # \_\_\_\_\_  
ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS  
SET BY CALIFORNIA DHS AND

EPA  RWQCB REGION \_\_\_\_\_  
 LIA  
 OTHER

CHAIN OF CUSTODY  
900117-33  
CLIENT CHESTER CLARK  
SITE Clark's Home & Garden  
23040 Clawiter Rd.  
HAYWARD, CA.

CONDUCT ANALYSIS TO DETECT	
C = COMPOSITE ALL CONTAINERS	* (see no k) TPH-6, BTEX TPH-Diesel

SPECIAL INSTRUCTIONS INVOICE & Report to  
CHESTER CLARK  
CC: Results to Blaine Tech Services  
\*IF BTEX > 5ppb LAB will analyze  
BTEX by Method 8240.

SAMPLE I.D.	MATRIX S = SOIL W = H2O	TOTAL	CONTAINERS	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
	W	7					

1/24/1994 letter from Mr. Brown

Kent Brown

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN	
	1/17/96	1200	Matt James	Routine	
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	1-19-96	1120	J. Gaden	1-19-96	1120
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
SHIPPED VIA	DATE SENT	TIME SENT	COOLER #		