



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

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

A N A L Y T I C A L   R E P O R T

Prepared for:

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

Date: 27-OCT-95  
Lab Job Number: 122969  
Project ID: 951009-V-2  
Location: 23040 Clawiter Rd.

Reviewed by: \_\_\_\_\_

Reviewed by: \_\_\_\_\_

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## TEH-Tot Ext Hydrocarbons

Client: Clark's Home & Garden  
Project#: 951009-V-2  
Location: 23040 Clawiter Rd.

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

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
122969-001 #1		23897	10/09/95	10/17/95	10/21/95	

Analyte	Units	122969-001
Diln Fac:		1
Diesel Range	ug/L	1300 L
Motor Oil Range	ug/L	<1300
Surrogate		
Hexacosane	%REC	90

L: Lighter hydrocarbons than indicated standard



Lab #: 122969

## BATCH QC REPORT

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## TEH-Tot Ext Hydrocarbons

Client: Clark's Home & Garden  
Project#: 951009-V-2  
Location: 23040 Clawiter Rd.

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

## METHOD BLANK

Matrix: Water  
Batch#: 23897  
Units: ug/L  
Diln Fac: 1

Prep Date: 10/17/95  
Analysis Date: 10/26/95

MB Lab ID: QC06895

Analyte	Result	
Diesel Range	<50	
Motor Oil Range	<1300	
Surrogate	%Rec	Recovery Limits
Hexacosane	99	60-140



Lab #: 122969

BATCH QC REPORT

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## TEH-Tot Ext Hydrocarbons

Client: Clark's Home & Garden  
 Project#: 951009-V-2  
 Location: 23040 Clawiter Rd.

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

## BLANK SPIKE/BLANK SPIKE DUPLICATE

Matrix: Water  
 Batch#: 23897  
 Units: ug/L  
 Diln Fac: 1

Prep Date: 10/17/95  
 Analysis Date: 10/26/95

BS Lab ID: QC06896

Analyte	Spike Added	BS	%Rec #	Limits
Diesel Range	2565	2497	97	60-140
Surrogate	%Rec	Limits		
Hexacosane	102	60-140		

BSD Lab ID: QC06897

Analyte	Spike Added	BSD	%Rec #	Limits	RPD #	Limit
Diesel Range	2565	2347	91	60-140	6	<35
Surrogate	%Rec	Limits				
Hexacosane	100	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



TVH-Total Volatile Hydrocarbons

Client: Clark's Home & Garden  
Project#: 951009-V-2  
Location: 23040 Clawiter Rd.

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

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
122969-001 #1		23874	10/09/95	10/17/95	10/17/95	

Analyte	Units	122969-001
Diln Fac:		1
Gasoline	ug/L	870
Surrogate		
Trifluorotoluene	%REC	93
Bromobenzene	%REC	113



BTXE

Client: Clark's Home & Garden  
Project#: 951009-V-2  
Location: 23040 Clawiter Rd.

Analysis Method: BTXE  
Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
122969-001 #1		23874	10/09/95	10/17/95	10/17/95	

Analyte	Units	122969-001
Diln Fac:		1
Benzene	ug/L	<0.5
Toluene	ug/L	<0.5
Ethylbenzene	ug/L	12
m,p-Xylenes	ug/L	5.2
o-Xylene	ug/L	5.2
Surrogate		
Trifluorotoluene	%REC	128
Bromobenzene	%REC	118



Lab #: 122969

## BATCH QC REPORT

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## TVH-Total Volatile Hydrocarbons

Client: Clark's Home & Garden  
Project#: 951009-V-2  
Location: 23040 Clawiter Rd.

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

## METHOD BLANK

Matrix: Water  
Batch#: 23874  
Units: ug/L  
Diln Fac: 1

Prep Date: 10/16/95  
Analysis Date: 10/16/95

MB Lab ID: QC06803

Analyte	Result	
Gasoline	<50	
Surrogate	%Rec	Recovery Limits
Trifluorotoluene	89	69-120
Bromobenzene	77	70-122



Lab #: 122969

## BATCH QC REPORT

## BTXE

Client: Clark's Home & Garden  
Project#: 951009-V-2  
Location: 23040 Clawiter Rd.

Analysis Method: BTXE  
Prep Method: EPA 5030

## METHOD BLANK

Matrix: Water  
Batch#: 23874  
Units: ug/L  
Diln Fac: 1

Prep Date: 10/16/95  
Analysis Date: 10/16/95

MB Lab ID: QC06803

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	104	58-130
Bromobenzene	95	62-131





Lab #: 122969

## BATCH QC REPORT

BTXE			
Client: Clark's Home & Garden	Analysis Method: BTXE		
Project#: 951009-V-2	Prep Method: EPA 5030		
Location: 23040 Clawiter Rd.			
LABORATORY CONTROL SAMPLE			
Matrix: Water	Prep Date: 10/16/95		
Batch#: 23874	Analysis Date: 10/16/95		
Units: ug/L			
Diln Fac: 1			

LCS Lab ID: QC06802

Analyte	Result	Spike Added	%Rec #	Limits
Benzene	20.9	20	105	80-120
Toluene	20.9	20	105	80-120
Ethylbenzene	21.6	20	108	80-120
m,p-Xylenes	38.3	40	96	80-120
o-Xylene	22.2	20	111	85-120
Surrogate	%Rec	Limits		
Trifluorotoluene	76	58-130		
Bromobenzene	76	62-131		

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

\* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits



Lab #: 122969

## BATCH QC REPORT

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## TVH-Total Volatile Hydrocarbons

Client: Clark's Home & Garden  
 Project#: 951009-V-2  
 Location: 23040 Clawiter Rd.

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

## MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Field ID: ZZZZZZ  
 Lab ID: 122933-001  
 Matrix: Water  
 Batch#: 23874  
 Units: ug/L  
 Diln Fac: 1

Sample Date: 10/02/95  
 Received Date: 10/05/95  
 Prep Date: 10/17/95  
 Analysis Date: 10/17/95

MS Lab ID: QC06804

Analyte	Spike Added	Sample	MS	%Rec #	Limits
Gasoline	2006	<50.00	1588	79	75-125
Surrogate	%Rec	Limits			
Trifluorotoluene	98	69-120			
Bromobenzene	91	70-122			

MSD Lab ID: QC06805

Analyte	Spike Added	MSD	%Rec #	Limits	RPD #	Limit
Gasoline	2006	1721	86	75-125	8	<35
Surrogate	%Rec	Limits				
Trifluorotoluene	98	69-120				
Bromobenzene	90	70-122				

# 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

CHAIN OF CUSTODY  
 951009-V-2

CLIENT  
 Chester Clark

SITE  
 23040 Clawiter Rd.  
 Hayward, CA

C = COMPOSITE ALL CONTAINERS

✓ TPH GAS, BTEX  
 ✓ TPH Diesel

CONDUCT ANALYSIS TO DETECT

LAB CURTIS + Tompkins DHS # \_\_\_\_\_

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

EPA  
 LIA  
 OTHER

RWQCB REGION II

SPECIAL INSTRUCTIONS *INVOICE & REPORT TO CHESTER CLARK - CC: BLAINE TECH SERVICES*

*FOR SAMPLES WITH BTEX GREATER THAN 5PPB, THE LAB WILL RUN BTEX BY B240 + LUFT METHOD FOR BTEX*

SAMPLE I.D.	MATRIX S = SOIL W = H2O	CONTAINERS		C = COMPOSITE ALL CONTAINERS	TPH GAS, BTEX	TPH Diesel												ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #		
		TOTAL	UNAS																				
#1	W	7	UNAS Lib		✓	✓													Routine				

SAMPLING COMPLETED: DATE 10-9-95 TIME 1030 | SAMPLING PERFORMED BY F.A. VANDEN BRZEK | RESULTS NEEDED NO LATER THAN Routine Turnaround

RELEASED BY [Signature] DATE 10/10/95 TIME 1010 | RECEIVED BY [Signature] DATE 10/10/95 TIME 1010

RELEASED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_ | RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

RELEASED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_ | RECEIVED BY \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

SHIPPED VIA \_\_\_\_\_ DATE SENT \_\_\_\_\_ TIME SENT \_\_\_\_\_ COOLER # \_\_\_\_\_

ENVIRONMENTAL LABORATORY ACCREDITATION/REGISTRATION  
List of Approved Fields of Testing and Analytes

Curtis & Tompkins, Ltd.  
2323 Fifth Street  
Berkeley, CA

TELEPHONE No: (510) 486-0900  
CALIFORNIA COUNTY: Alameda

CERTIFICATE NUMBER: 1459  
EXPIRATION DATE: 3/31/95

<b>1 Microbiology of Drinking Water and Wastewater (-----)</b>			
1.1	Total Coliforms in Drinking Water by Multiple Tube Fermentation -----		N
1.2	Fecal Coliforms/E. Coli in Drinking Water by MTF -----		N
1.3	Total Coliforms in Drinking Water by Membrane Filter Technics -----		N
1.4	Fecal Coliforms/E. Coli in Drinking Water by Membrane Filter Technics -----		N
1.5	Total Coliforms and E. Coli in Drinking Water by MMO-MUG -----		N
1.6	Total Coliforms in Drinking Water by Clark's Presence/Absence -----		N
1.7	Fecal Coliforms/E. Coli in Drinking Water by Clark's Presence/Absence -----		N
1.8	Heterotrophic Plate Count -----		N
1.9	Total Coliforms in Wastewater by Multiple Tube Fermentation -----		N
1.10	Fecal Coliforms in Wastewater by MTF -----		N
1.11	Total Coliforms in Wastewater by Membrane Filter Technics -----		N
1.12	Fecal Coliforms in Wastewater by Membrane Filter Technics -----		N
1.13	Fecal Streptococci or Enterococci by Multiple Tube Technics -----		N
1.14	Fecal Streptococci or Enterococci by Membrane Filter Technics -----		N
<b>2 Inorganic Chemistry and Physical Properties of Drinking Water excluding Toxic Chemical Elements (03-01-91)</b>			
2.1	Alkalinity -----	Y	
2.2	Calcium -----	Y	
2.3	Chloride -----	Y	
2.4	Corrosivity -----	Y	
2.5	Fluoride -----	Y	
2.6	Hardness -----	Y	
2.7	Magnesium -----	Y	
2.8	MBAS -----	Y	
2.9	Nitrate -----	Y	
2.10	Nitrite -----	Y	
2.11	Sodium -----	Y	
2.12	Sulfate -----		Y
2.13	Total Filterable Residue and Conductivity -----		Y
2.14	Iron (Colorimetric Methods Only) -----		N
2.15	Manganese (Colorimetric Methods Only) -----		N
2.16	Phosphate, ortho -----		Y
2.17	Silica (Colorimetric Methods Only) -----		Y
2.18	Cyanide -----		Y
<b>3 Analysis of Toxic Chemical Elements in Drinking Water (03-01-91)</b>			
3.1	Arsenic -----	Y	
3.2	Barium -----	N	
3.3	Cadmium -----	Y	
3.4	Chromium, total -----	Y	
3.5	Copper -----	N	
3.6	Iron -----	N	
3.7	Lead -----	Y	
3.8	Manganese -----	N	
3.9	Mercury -----	Y	
3.10	Selenium -----	Y	
3.11	Silver -----		N
3.12	Zinc -----		N
3.13	Aluminum -----		N
3.14	Asbestos -----		N
3.15	EPA Method 200.7 -----		Y
3.16	EPA Method 200.8 (Unregulated Elements and Lead Only) -----		N
3.17	Antimony -----		Y
3.18	Beryllium -----		N
3.19	Nickel -----		N
3.20	Thallium -----		Y
<b>4 Organic Chemistry of Drinking Water (measurement by GC/MS combination) (03-01-91)</b>			
4.1	EPA Method 501.3 -----		Y
4.2	EPA Method 524.2 -----		Y
4.3	EPA Method 525 -----		N
4.4	EPA Method 513 -----		N
<b>5 Organic Chemistry of Drinking Water (excluding measurements by GC/MS combination) (03-01-91)</b>			
5.1	EPA Method 501.1 -----	Y	
5.2	EPA Method 501.2 -----	N	
5.3	EPA Method 502.1 -----	N	
5.4	EPA Method 502.2 -----	N	
5.5	EPA Method 503.1 -----	N	
5.6	EPA Method 504 -----	Y	
5.7	EPA Method 505 -----	Y	
5.8	EPA Method 506 -----	N	
5.9	EPA Method 507 -----	N	
5.10	EPA Method 508 -----	Y	
5.11	EPA Method 508A -----	N	
5.12	EPA Method 510.1 -----	N	
5.13	EPA Method 515.1 -----	N	
5.14	EPA Method 531.1 -----		N
5.15	EPA Method 547 -----		N
5.16	EPA Method 548 -----		N
5.17	EPA Method 549 -----		N
5.18	EPA Method 550 -----		N
5.19	EPA Method 550.1 -----		N
5.20	EPA Method 551 -----		N
5.21	EPA Method 552 -----		N

6 Radiochemistry (-----)

6.1	Gross Alpha and Beta Radiation -----	N	6.11	Gross Alpha by Co-precipitation -----	N
6.2	Total Radium -----	N	6.12	Radium 228 -----	N
6.3	Radium 226 -----	N	6.13	Radioactive Iodine -----	N
6.4	Uranium -----	N	6.14	Gross Alpha & Beta in Hazardous Wastes --	N
6.5	Radon 222 -----	N	6.15	Alpha Emitting Radium Isotopes in Haz. Wastes -----	N
6.6	Radioactive Cesium -----	N	6.16	Radium 228 in Hazardous Wastes -----	N
6.7	Iodine 131 -----	N			
6.8	Radioactive Strontium -----	N			
6.9	Tritium -----	N			
6.10	Gamma and Photon Emitters -----	N			

7 Shellfish Sanitation (-----)

7.1	Shellfish meat Microbiology -----	N
7.2	Paralytic Shellfish Poison -----	N
7.3	Domoic Acid -----	N

8 Aquatic Toxicity Bioassays (-----)

8.1	Hazardous Waste Aquatic Toxicity Bioassay (Title 22, CCR, 66261.24(a)(6)) -----	N
8.2	Wastewater Testing According to Kopperdahl (1976) using Freshwater Fish. -----	N
8.3	Wastewater Testing According to EPA/600/4-85/013 using Freshwater and/or Marine Organisms -----	N
8.4	Wastewater Testing by EPA Method 1000.0 -----	N
8.5	Wastewater Testing by EPA Method 1002.0 -----	N
8.6	Wastewater Testing by EPA Method 1003.0 -----	N
8.7	Wastewater Testing by EPA Method 1006 -----	N
8.8	Wastewater Testing by EPA Method 1007 -----	N
8.9	Wastewater Testing by EPA Method 1009 -----	N
8.10	Wastewater Testing According to Anderson, et. al. (1990) using Giant Kelp ( <i>Macrocystis pyrifera</i> ) --	N
8.11	Wastewater Testing According to Anderson, et. al. (1990) using Red Abalone ( <i>Haliotis rufescens</i> ) ---	N
8.12	Wastewater Testing According to Dinnel and Stober (1987) using Purple Sea Urchin ( <i>Strongylocentrotus purpuratus</i> ) -----	N
8.13	Wastewater Testing According to Dinnel and Stober (1987) using Red Sea Urchin ( <i>Strongylocentrotus franciscanus</i> ) -----	N
8.14	Wastewater Testing According to Dinnel and Stober (1987) using Sand Dollar ( <i>Dendraster excentricus</i> ) -----	N
8.15	Wastewater Testing According to procedure E 724-89 (ASTM, 1989) using Pacific Oyster ( <i>Crassostrea gigas</i> ) -----	N
8.16	Wastewater Testing According to procedure E 724-89 (ASTM, 1989) using California Bay Mussel ( <i>Mytilus edulis</i> ) -----	N
8.17	Wastewater Testing According to Standard Methods (APHA, 1989) using an alga ( <i>Skeletonema costatum</i> ) -----	N
8.18	Wastewater Testing According to EPA/600/4-90/027 using Freshwater and/or Marine Organisms -----	N

9 Physical Properties Testing of Hazardous Waste (08-04-86)

9.1	Ignitability by Flashpoint determination (Title 22, CCR, 66261.21) -----	Y
9.2	Corrosivity - pH determination (Title 22, CCR, 66261.22) -----	Y
9.3	Corrosivity - Corrosivity towards steel (Title 22, CCR, 66261.22) -----	Y
9.4	Reactivity (Title 22, CCR, 66261.23) -----	Y

10 Inorganic Chemistry and Toxic Chemical Elements of Hazardous Waste

10.1	Antimony 7040(-----) -----	N	10.7	Cobalt 7200(-----) -----	N
	7041(08-04-86) -----	Y		7201(-----) -----	N
10.2	Arsenic 7060(08-04-86) -----	Y	10.8	Copper 7210(-----) -----	N
	7061(-----) -----	N		7211(-----) -----	N
10.3	Barium 7080(-----) -----	N	10.9	Lead 7420(08-04-86) -----	Y
	7081(-----) -----	N		7421(08-04-86) -----	Y
10.4	Beryllium 7090(-----) -----	N	10.10	Mercury 7470(08-04-86) -----	Y
	7091(-----) -----	N		7471(08-04-86) -----	Y
10.5	Cadmium 7130(-----) -----	N	10.11	Molybdenum 7480(-----) -----	N
	7131(08-04-86) -----	Y		7481(-----) -----	N
10.6	Chromium, total 7190(-----) -----	N	10.12	Nickel 7520(-----) -----	N
	7191(08-04-86) -----	Y			

10.13	Selenium	7740(08-04-86) ----- Y	10.19	Cyanide	9010(08-04-86) ----- Y
		7741(-----) ----- N			
10.14	Silver	7760(-----) ----- N	10.20	Fluoride	300.0(03-01-91) ----- Y
		7761(-----) ----- N			340.1(-----) ----- N
10.15	Thallium	7840(-----) ----- N			340.2(09-13-93) ----- Y
		7841(08-04-86) ----- Y			340.3(-----) ----- N
10.16	Vanadium	7910(-----) ----- N	10.21	Sulfide	9030(08-04-86) ----- Y
		7911(-----) ----- N			
10.17	Zinc	7950(-----) ----- N	10.22	Total Organic Lead	(06-20-88) ----- Y
		7951(-----) ----- N			
10.18	Chromium (VI)	7195(03-20-89) ----- Y	10.23	EPA Method 6010(03-20-89)	----- Y
		7196(-----) ----- N	10.24	EPA Method 6020(-----)	----- N
		7197(-----) ----- N			
		7198(-----) ----- N			

**11 Extraction Tests of Hazardous Waste (08-04-86)**

11.1	California Waste Extraction Test (WET) (Title 22, CCR, 66261.100, Appendix II)	----- Y
11.2	Extraction Procedure Toxicity	----- Y
11.3	Toxicity Characteristic Leaching Procedure (TCLP) All Classes	----- Y
11.4	Toxicity Characteristic Leaching Procedure (TCLP) Inorganics Only	----- N
11.5	Toxicity Characteristic Leaching Procedure (TCLP) Extractables Only	----- N
11.6	Toxicity Characteristic Leaching Procedure (TCLP) Volatiles Only	----- N

**12 Organic Chemistry of Hazardous Waste (measurement by GC/MS combination)**

12.1	EPA Method 8240(08-05-86)	----- Y
12.2	EPA Method 8250(09-13-93)	----- Y
12.3	EPA method 8270(08-04-86)	----- Y
12.4	EPA Method 8280(-----)	----- N
12.5	EPA Method 8290(-----)	----- N
12.6	EPA Method 8260(09-13-93)	----- Y

**13 Organic Chemistry of Hazardous Waste (excluding measurements by GC/MS combination)**

13.1	EPA Method 8010(08-04-86)	----- Y	13.13	EPA Method 8310(09-13-93)	----- Y
13.2	EPA Method 8015(08-04-86)	----- Y	13.14	EPA Method 632 (-----)	----- N
13.3	EPA Method 8020(08-04-86)	----- Y	13.15	Total Petroleum Hydrocarbons	
13.4	EPA Method 8030(-----)	----- N		(LUFT Manual) (06-20-88)	----- Y
13.5	EPA Method 8040(-----)	----- N	13.16	EPA Method 8011(-----)	----- N
13.6	EPA Method 8060(-----)	----- N	13.17	EPA Method 8021(09-13-93)	----- Y
13.7	EPA Method 8080(08-04-86)	----- Y	13.18	EPA Method 8070(-----)	----- N
13.8	EPA Method 8090(-----)	----- N	13.19	EPA Method 8110(-----)	----- N
13.9	EPA Method 8100(-----)	----- N	13.20	EPA Method 8141(-----)	----- N
13.10	EPA Method 8120(-----)	----- N	13.21	EPA Method 8330(-----)	----- N
13.11	EPA Method 8140(-----)	----- N			
13.12	EPA Method 8150(-----)	----- N			

**14 Bulk Asbestos Analysis (-----)**

14.1	1% or Greater Asbestos Concentrations (Title 22, CCR, 66261.24(a)(2)(A))	----- N
15	<u>Substances Regulated Under the California Safe Drinking Water and Toxic Enforcement Act (Proposition 65) and Not Included in Other listed Groups.</u>	

**16 Wastewater Inorganic Chemistry, Nutrients and Demand (03-01-91)**

16.1	Acidity	----- Y	16.13	Cyanide amenable to Chlorination	----- Y
16.2	Alkalinity	----- Y	16.14	Fluoride	----- Y
16.3	Ammonia	----- Y	16.15	Hardness	----- Y
16.4	Biochemical Oxygen Demand	----- N	16.16	Kjeldahl Nitrogen	----- Y
16.5	Boron	----- Y	16.17	Magnesium	----- Y
16.6	Bromide	----- N	16.18	Nitrate	----- Y
16.7	Calcium	----- Y	16.19	Nitrite	----- Y
16.8	cBOD	----- N	16.20	Oil and Grease	----- Y
16.9	Chemical Oxygen Demand	----- Y	16.21	Organic Carbon	----- Y
16.10	Chloride	----- Y	16.22	Oxygen, Dissolved	----- N
16.11	Chlorine Residual, total	----- Y			
16.12	Cyanide	----- Y			

CERTIFICATE NUMBER: 1459  
 EXPIRATION DATE: 3/31/95

16.23	pH	Y	16.39	Surfactants (MBAS)	Y
16.24	Phenols	Y	16.40	Tannin and Lignin	Y
16.25	Phosphate, ortho-	Y	16.41	Turbidity	Y
16.26	Phosphorus, total	Y	16.42	Iron (Colorimetric Only)	N
16.27	Potassium	Y	16.43	Manganese (Colorimetric Only)	N
16.28	Residue, Total	Y	16.44	Total Recoverable	
16.29	Residue, Filterable (TDS)	Y		Petroleum Hydrocarbons	Y
16.30	Residue, Nonfilterable (TSS)	Y	16.45	Total Organic Halides	N
16.31	Residue, Settleable (SS)	Y			
16.32	Residue, Volatile	Y			
16.33	Silica	Y			
16.34	Sodium	Y			
16.35	Specific Conductance	Y			
16.36	Sulfate	Y			
16.37	Sulfide (includes total & soluble)	Y			
16.38	Sulfite	Y			

17 Toxic Chemical Elements in Wastewater (03-01-91)

17.1	Aluminum	N	17.18	Nickel	N
17.2	Antimony	Y	17.19	Osmium	N
17.3	Arsenic	Y	17.20	Palladium	N
17.4	Barium	N	17.21	Platinum	N
17.5	Beryllium	N	17.22	Rhodium	N
17.6	Cadmium	Y	17.23	Ruthenium	N
17.7	Chromium (VI)	Y	17.24	Selenium	Y
17.8	Chromium, total	Y	17.25	Silver	N
17.9	Cobalt	N	17.26	Strontium	N
17.10	Copper	N	17.27	Thallium	Y
17.11	Gold	N	17.28	Tin	N
17.12	Iridium	N	17.29	Titanium	N
17.13	Iron	N	17.30	Vanadium	N
17.14	Lead	Y	17.31	Zinc	N
17.15	Manganese	N	17.32	EPA Method 200.7	Y
17.16	Mercury	Y	17.33	EPA Method 200.8	N
17.17	Molybdenum	N	17.34	DCP	N
			17.35	Asbestos	N

18 Organic Chemistry of Wastewater (measurements by GC/MS combination (03-01-91))

18.1	EPA Method 624	Y
18.2	EPA Method 625	Y
18.3	EPA Method 1613	N
18.4	EPA Method 1625	N
18.5	EPA Method 613	N

19 Organic Chemistry of Wastewater (excluding measurements by GC/MS combination) (03-01-91)

19.1	EPA Method 601	Y	19.8	EPA Method 608	Y
19.2	EPA Method 602	Y	19.9	EPA Method 609	N
19.3	EPA Method 603	N	19.10	EPA Method 610	N
19.4	EPA Method 604	N	19.11	EPA Method 611	N
19.5	EPA Method 605	N	19.12	EPA Method 632	N
19.6	EPA Method 606	N	19.13	EPA Method 619	N
19.7	EPA Method 607	N			

20 Inorganic Chemistry and Toxic Chemical Elements of Pesticide Residues in Food (-----)

20.1	Processed Foods by One of the Following Methods	
	Atomic Absorption Spectrophotometry	N
	Inductively Coupled Plasma Atomic Emission Spectrophotometry	N
	Inductively Coupled Plasma/Mass Spectrometry	N
	Colorimetry	N
20.2	Raw Commodities by One of the Following Methods	
	Atomic Absorption Spectrophotometry	N
	Inductively Coupled Plasma Atomic Emission Spectrophotometry	N
	Inductively Coupled Plasma/Mass Spectrometry	N
	Colorimetric	N
20.3	Dairy Products by One of the Following Methods	
	Atomic Absorption Spectrophotometry	N
	Inductively Coupled Plasma Atomic Emission Spectrophotometry	N
	Inductively Coupled Plasma/Mass Spectrometry	N
	Colorimetry	N

20.4	Feed Products by One of the Following Methods	
	Atomic Absorption Spectrophotometry -----	N
	Inductively Coupled Plasma Atomic Emission Spectrophotometry -----	N
	Inductively Coupled Plasma/Mass Spectrometry -----	N
	Colorimetry -----	N
21	<u>Organic Chemistry of Pesticide Residues in Food (measurements by GC/MS) (-----)</u>	
21.1	Gas Chromatographic/Mass Spectrometric Methods in Processed Foods -----	N
21.2	Gas Chromatographic/Mass Spectrometric Methods in Raw Commodities -----	N
21.3	Gas Chromatographic/Mass Spectrometric Methods in Dairy Products -----	N
21.4	Gas Chromatographic/Mass Spectrometric Methods in Feed Products -----	N
22	<u>Organic Chemistry of Pesticide Residues in Food (Excluding Measurement by GC/MS Combination) (-----)</u>	
22.1	Halogenated Compounds in Processed Foods by One of the Following Methods	
	Gas Chromatography -----	N
	High Pressure Liquid Chromatography -----	N
	Liquid Chromatography/Mass Spectrometry -----	N
22.2	Organophosphorous Compounds in Processed Foods by One of the Following Methods	
	Gas Chromatography -----	N
	High Pressure Liquid Chromatography -----	N
	Liquid Chromatography/Mass Spectrometry -----	N
22.3	Carbamates in Processed Foods by One of the Following Methods	
	Gas Chromatography -----	N
	High Pressure Liquid Chromatography -----	N
	Liquid Chromatography/Mass Spectrometry -----	N
22.4	Halogenated Compounds in Raw Commodities by One of the Following Methods	
	Gas Chromatography -----	N
	High Pressure Liquid Chromatography -----	N
	Liquid Chromatography/Mass Spectrometry -----	N
22.5	Organophosphorous Compounds in Raw Commodities by One of the Following Methods	
	Gas Chromatography -----	N
	High Pressure Liquid Chromatography -----	N
	Liquid Chromatography/Mass Spectrometry -----	N
22.6	Carbamates in Raw Commodities by One of the Following Methods	
	Gas Chromatography -----	N
	High Pressure Liquid Chromatography -----	N
	Liquid Chromatography/Mass Spectrometry -----	N
22.7	Halogenated Compounds in Dairy Products by One of the Following Methods	
	Gas Chromatography -----	N
	High Pressure Liquid Chromatography -----	N
	Liquid Chromatography/Mass Spectrometry -----	N
22.8	Organophosphorous Compounds in Dairy Products by One of the Following Methods	
	Gas Chromatography -----	N
	High Pressure Liquid Chromatography -----	N
	Liquid Chromatography/Mass Spectrometry -----	N
22.9	Carbamates in Dairy Products by One of the Following Methods	
	Gas Chromatography -----	N
	High Pressure Liquid Chromatography -----	N
	Liquid Chromatography/Mass Spectrometry -----	N
22.10	Halogenated Compounds in Feed Products by One of the Following Methods	
	Gas Chromatography -----	N
	High Pressure Liquid Chromatography -----	N
	Liquid Chromatography/Mass Spectrometry -----	N
22.11	Organophosphorous Compounds in Feed Products by One of the Following Methods	
	Gas Chromatography -----	N
	High Pressure Liquid Chromatography -----	N
	Liquid Chromatography/Mass Spectrometry -----	N
22.12	Carbamates in Feed Products by One of the Following Methods	
	Gas Chromatography -----	N
	High Pressure Liquid Chromatography -----	N
	Liquid Chromatography/Mass Spectrometry -----	N