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January 8, 2001

6070

00 JAN 11 PM 3:16
ENVIRONMENTAL
PROTECTION

Mr. Barney Chan
Hazardous Materials Specialists
Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Clayton Project No.70-97066.00.000

Subject: Fourth Quarter 2000 Groundwater Monitoring Results for the property at
630 29th Avenue in Oakland, California

Dear Mr. Chan:

Clayton is pleased to present the results for the fourth quarter 2000 groundwater monitoring event performed at 630 29th Avenue in Oakland, California. The risk assessment-feasibility study will be submitted in the near future following submission of this current quarterly.

If you have any comments or questions regarding the report please contact me at (925) 426-2665.

Sincerely,

Handwritten signature of Warren B. Chamberlain in cursive.

Warren B. Chamberlain, R.G., C.HG., P.E.
Project Manager
Environmental Services

Handwritten signature of Jon A. Rosso in cursive.

Jon A. Rosso, P.E.
Director

WBC/wbc

cc:

**Fourth Quarter 2000
Groundwater Monitoring Results
for the
Former Lemoine Sausage Facility
630 29th Avenue
Oakland, California**

Clayton Project No. 70-97066.00

January 8, 2001

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1. INTRODUCTION

Clayton Group Services, Inc., (Clayton) has prepared this quarterly groundwater monitoring report to document the results of the Fourth Quarter, 2000 groundwater monitoring event for the former Lemoine Sausage Facility located at 630 29th Avenue in Oakland, California (Figure 1). Groundwater monitoring is being performed at the subject property to monitor the distribution and concentration of dissolved petroleum hydrocarbons in shallow groundwater.

2. SITE DESCRIPTION AND HISTORY

A single 1,000-gallon gasoline underground storage tank (UST) and associated plumbing/piping were formerly located beneath the sidewalk of 7th Street and adjacent (east) of the subject property building (Figure 2). The associated fuel dispenser was located in a "cubby hole" near the building's roll-up door. The UST and associated piping were removed on November 21, 1996 and confirmation soil samples were collected. A petroleum hydrocarbon sheen was noted on top of groundwater and petroleum hydrocarbons were detected in the confirmation soil samples collected at the time of the UST removal. The UST removal and results of confirmation sampling were presented in the Clayton report, "*Underground Storage Tank Closure Report*", dated September 24, 1997.

The following report have been issued to document previous site investigation and findings:

- "*Limited Subsurface Investigation, Former Lemoine Sausage Facility, 630 29th Avenue, Oakland, California*" report, dated April 1998.
- "*Limited Groundwater Investigation, Former Lemoine Sausage Facility, 630 29th Avenue, Oakland, California*" dated March 1999.
- "*Additional Field Investigation, and Groundwater Monitoring for the Former Lemoine Sausage Facility, 630 29th Avenue, Oakland, California*", dated November 7, 2000.

3. QUARTERLY GROUNDWATER MONITORING

All monitoring wells (MW-1 through MW-8) were sampled to determine groundwater elevations and groundwater quality.

3.1. GROUNDWATER LEVEL MEASUREMENTS

Depth to water was measured in each monitoring well to determine groundwater elevations, and the site's groundwater gradient and flow direction. Depth to water measurements were obtained with an electronic water level probe. All water level measurements were referenced to the surveyed V-notch elevation at the top of the PVC well casing.

By subtracting the measured depth to water from the wellhead elevation in each monitoring well, the groundwater elevation was calculated at each monitoring point. The site's water table elevation map was produced by using the surveyed monitoring well coordinates and contouring the corresponding groundwater elevation data. The direction of groundwater flow is inferred to be perpendicular to (equipotential) contours. The site's groundwater gradient was determined using groundwater elevations from monitoring wells MW-1 and MW-7. ^{class} *only?*

For the Fourth Quarter 2000 monitoring event, the groundwater gradient was determined to be 0.023 ft/ft towards the west. Historical depth to water and groundwater elevation data are presented on Table 1. The Fourth Quarter 2000 water table elevation contour map with the groundwater flow direction indicated is presented on Figure 3.

3.2. GROUNDWATER PURGING

Prior to collecting a groundwater sample from each monitoring well, approximately four well casing volumes of water were removed or the well casing was purged dry. The well was allowed to recharge to 80-percent of the pre-purging well casing water volume. Either a peristaltic pump or hand bailing with a 1-liter Teflon bailer was used to purge groundwater from each monitoring well casing. Water quality parameters (pH, oxidation-reduction potential [ORP], temperature and visual turbidity) were recorded onto field sampling data sheets prior to purging and after removing each well casing volume of water.

Field logs documenting water level measurements, well purging and sampling for the Fourth Quarter 2000 monitoring event are presented in Appendix A. Groundwater purged from monitoring wells during sampling was stored onsite in sealed, labeled, USDOT approved 55-gallon drums.

3.3. GROUNDWATER SAMPLING

Groundwater samples for laboratory analyses were retrieved using a disposable bailer and transferred into appropriately sized and preserved laboratory supplied sample containers. Sample containers were sealed, labeled with identifying information, logged onto the chain-of-custody, and temporarily stored in a chilled ice-chest while awaiting transportation to the laboratory.

3.4. LABORATORY ANALYSES

Groundwater samples were submitted for laboratory analyses to the State of California certified to Curtis and Tompkins Laboratories of Berkeley, California. The samples were analyzed by one or more of the following United States Environmental Protection Agency (USEPA) approved analytical methods:

- USEPA Method 8015M for Total Petroleum Hydrocarbons as Gasoline (TPH-g)
- USEPA Method 8020 for Aromatic Hydrocarbons (Benzene, Toluene, Ethylbenzene, and total Xylenes [BTEX]), and

- USEPA Method 8010 for Purgeable Halocarbons.

Certified analytical data sheets and chain-of-custody documentation from the Fourth Quarter 2000 groundwater sampling event are presented in Appendix B. A summary of historical groundwater monitoring well analytical results are presented in Table 2.

In addition, to verify previous results to characterize site condition for the potential bio-treatment remedial option, select groundwater samples were submitted to Curtis and Tompkins Laboratories of Berkeley, California, for the following inorganic analyses:

- EPA Method 300.0 for Nitrogen Compounds - Nitrate (NO_3^-), Nitrite (NO_2^-).
- EPA Method 300.0 for Orthophosphate (PO_4^-),

The laboratory data sheets for inorganic chemistry and bacteriological count data are presented in Appendix B, and the data has been summarized and presented in Table 3.

4. CONCLUSION

The groundwater monitoring results obtained for the Fourth Quarter 2000 are similar to previous quarterly results. The groundwater gradient was determined to be 0.023 ft/ft to the west.

The highest concentrations of TPH-g and benzene occur ~~in the~~ beneath the central portion of the subject building in the area of monitoring well MW-2 and MW-3. The variation in BTEX and TPH-g concentration between quarterly monitoring events occurs due to dilution and absorption affects within the "smear zone" as the groundwater level rises and falls beneath the site. The locations of monitoring wells MW-6 and MW-7 define the eastern and northern edge of the hydrocarbon plume.

Chlorinated volatile organic compounds TCE, cis-1,2-DCE, trans-1,2-DCE and VC were detected in monitoring well MW-8, only. The distribution of the former fuel additive 1,2-DCA appears to be associated with the petroleum hydrocarbon release.

The bio-assessment data collected during this event confirms that groundwater beneath the site is anaerobic (oxygen-poor) and depleted in nitrogen and phosphate compounds.

Sincerely,



Warren B. Chamberlain, R.G., C.H.G., P.E.
Project Manager
Environmental Services



Jon A. Rosso, P.E.
Director

Table 1

Historic Groundwater Table Elevation Data
Former Lemoine Sausage Facility
Oakland, California

Well Identification	Date Measured	Top of Casing Elevation (ft,msl)	Depth to Water (feet)	Groundwater Elevation (ft,msl)
MW-1	12/19/00	16.69	5.50	11.19
	9/22/00		6.30	10.39
	6/15/00		4.82	11.87
	2/8/99		3.60	13.09
MW-2	12/19/00	20.79	11.38	9.41
	9/22/00		11.49	9.30
	6/15/00		10.46	10.33
	2/8/99		14.20	6.59
MW-3	12/19/00	21.10	9.72	11.38
	9/22/00		15.30	5.80
	6/15/00		10.56	10.54
	2/8/99		7.45	13.65
MW-4	12/19/00	17.78	6.40	11.38
	9/22/00		6.90	10.88
	6/15/00		6.30	11.48
	2/8/99		4.13	13.65
MW-5	12/19/00	21.12	9.99	11.13
	9/22/00		9.99	11.13
	6/15/00		10.36	10.76
	2/8/99		7.62	13.50
MW-6	12/19/00	16.60	5.93	10.67
	9/22/00		6.54	10.06
	6/15/00		5.47	11.13
MW-7	12/19/00	15.47	7.20	8.27
	9/22/00		7.51	7.96
	6/15/00		6.40	9.07
MW-8	12/19/00	17.58	7.71	9.87
	9/22/00		8.33	9.25
	6/15/00		7.14	10.44

Notes:

1. All top of casing elevations referenced to mean sea level (msl) and measured with reference to the benchmark located at Peterson Street and East 7th Street.
2. NM = Not Measured.

Table 2

**Summary of Monitoring Well Groundwater Analytical Results
Former Lemoine Sausage Facility
Oakland, California**

Sample Location	Date Sampled	TPHG	MTBE	Benzene	Ethyl benzene	Toluene	Total Xylenes	1,2-DCA	TCE	cis-1,2 DCE	trans-1,2-DCE	VC
MW-1	12/19/00	25,000	NA	3,200	480	1,900	3,300	<2.5	<2.5	<2.5	<2.5	<2.5
	9/22/00	25,000	<500	3,100	470	1,800	3,600	NA	NA	NA	NA	NA
	6/15/00	29,000	NA	3,900	1,900	<100	4,200	<5.0	<5.0	<5.0	<5.0	<5.0
	2/8/99	48,000	NA	3,900	970	6,300	4,300	<30	NA	NA	NA	NA
MW-2	12/19/00	43,000	NA	9,800	810	4,000	2,430	21	<13	<13	<13	<13
	9/22/00	24,000	<500	10,000	370	2,700	1,200	NA	NA	NA	NA	NA
	6/29/00	31,000	NA	11,000	4,400	930	250	25	<5.0	<5.0	<5.0	<5.0
	2/8/99	41,000	NA	11,000	650	4,900	1,720	60	NA	NA	NA	NA
MW-3	12/19/00	50,000	NA	1,200	510	1,600	1,810	350	<8.3	<8.3	<8.3	<8.3
	9/22/00	83,000	<1,000	16,000	1,300	20,000	7,000	NA	NA	NA	NA	NA
	6/29/00	39,000	NA	7,800	8,000	630	3,400	600	<5.0	<5.0	<5.0	<5.0
	2/8/99	35,000	NA	1,200	1,400	3,400	4,900	<30	NA	NA	NA	NA
MW-4	12/19/00	2,200	NA	200	100	2.9	81.4	<0.5	<0.5	<0.5	<0.5	<0.5
	9/22/00	12,000	<500	2,800	1,100	82	1,300	NA	NA	NA	NA	NA
	6/15/00	2,300	NA	230	10	<5	94	0.88	<0.5	2.1	<0.5	<0.5
	2/8/99	15,000	NA	670	780	90	940	<30	NA	NA	NA	NA
MW-5	12/19/00	21,000	NA	3,200	1,100	1,100	1,300	15	<4.2	<4.2	<4.2	<4.2
	9/27/00	16,000	<500	4,300	420	3,100	1,600	NA	NA	NA	NA	NA
	6/29/00	3,900	NA	1,500	330	28	260	36	<0.5	<0.5	<0.5	<0.5
	2/8/99	4,900	NA	780	230	440	370	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	12/19/00	320	NA	<0.5	<0.5	<0.5	<0.5	<0.5*	<0.5	<0.5	<0.5	<0.5
	9/22/00	71	<5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA
	6/15/00	1,100	NA	3.8	2.1	2.2	4.8	0.78	<0.5	<0.5	<0.5	<0.5

Table 2

Summary of Monitoring Well Groundwater Analytical Results
Former Lemoine Sausage Facility
Oakland, California

Sample Location	Date Sampled	TPHG	MTBE	Benzene	Ethyl benzene	Toluene	Total Xylenes	1,2-DCA	TCE	cis-1,2-DCE	trans-1,2-DCE	VC
MW-7	12/19/00	<50	NA	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/22/00	<50	<5	2	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA
	6/15/00	1,000	NA	250	<10	<10	16	<0.5	<0.5	<0.5	<0.5	<0.5
MW-8	12/19/00	2,700	NA	410	4.8	<2.5	<2.5	9.1	130	1,000	67	48
	9/22/00	1,800	<25	340	<2.5	<2.5	<2.5	NA	NA	NA	NA	NA
	6/15/00	5,400	NA	150	8.9	<5	8.7	<13	210	1,100	73	25

Notes:

1. All results in micrograms per liter (µg/L).
2. NA = Not Analyzed.
3. 1,2-DCA = 1,2-dichloroethane.
4. TPHG = Total Petroleum Hydrocarbons as Gasoline.
5. MTBE = methyl tert-butyl ether.
6. TCE = Trichloroethene.
7. DCE = Dichloroethene.
8. VC = Vinyl Chloride.

* 1,1-DCA detected at 1.1 µg/L.

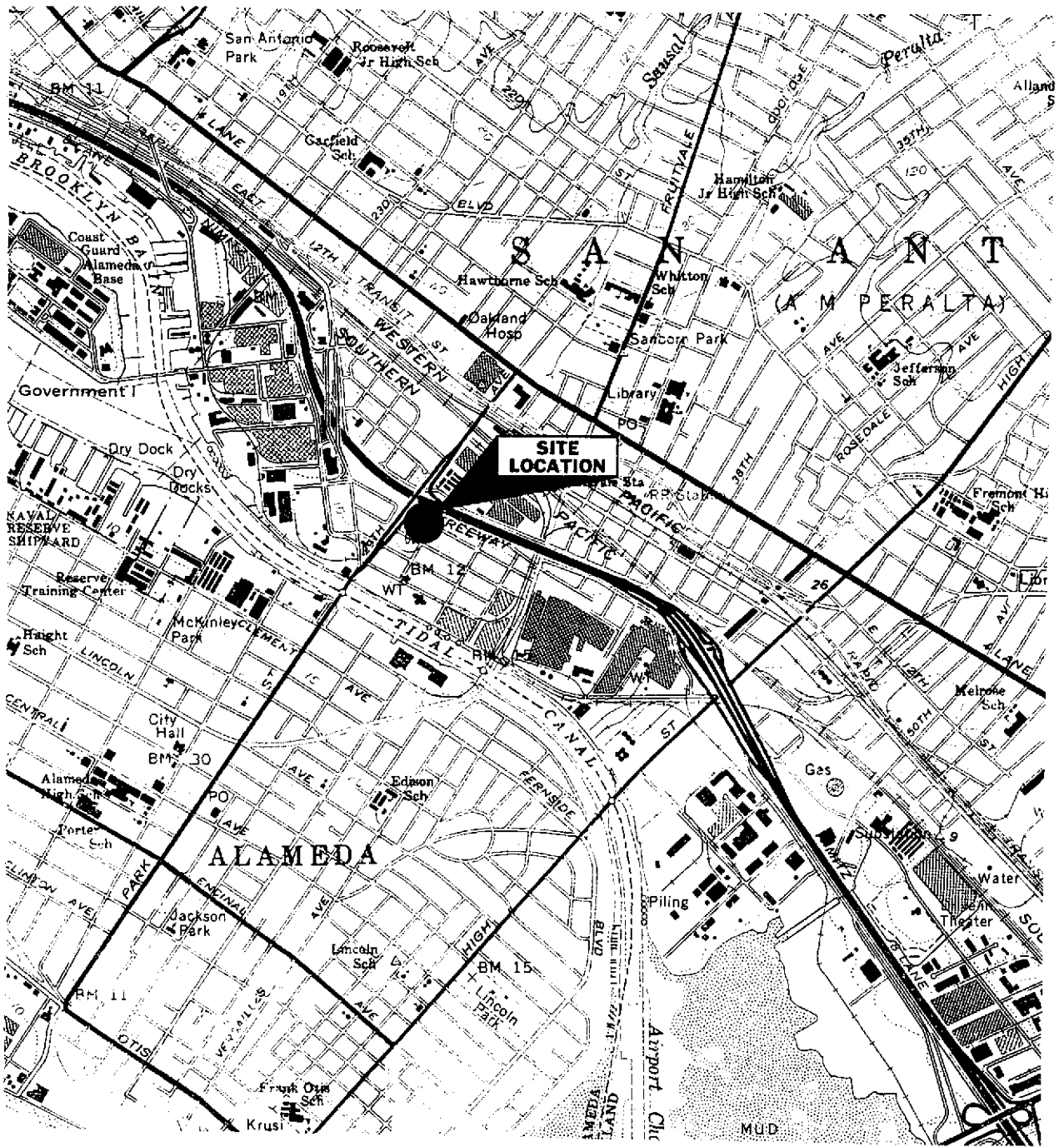
Table 3

Summary of Bio-Assessment Groundwater Analytical Data
Former Lemoine Sausage Facility
Oakland, California

Sample Location	Date Sampled	pH	ORP (mV)	Temperature (°C)	DO (mg/L)	Nitrate (NO ₃ ⁻)	Nitrite (NO ₂ ⁻)	Orthophosphate (PO ₄ ⁻)	HPC General	HPC Selective
MW-1	12/19/00	7.1	23	15.9	1.7	<0.05	<0.05	<0.2	NA	NA
	9/22/00	NA	NA	NA	NA	<0.05	<0.05	0.13J	NA	NA
	6/15/00	6.9	9	24.2	0.8	NA	NA	NA	2.1	0.5
MW-2	12/19/00	7.1	7	17.3	NA	<0.5	<0.5	<2.0	NA	NA
MW-3	9/22/00	NA	NA	NA	NA	<0.25	<0.25	1.00	NA	NA
MW-4	12/19/00	7.3	22	16.3	NA	<0.05	<0.05	<0.2	NA	NA
MW-6	6/15/00	7.0	-16	24.3	1.4	NA	NA	NA	3.5	0.3
MW-7	12/19/00	7.1	NA	18.6	0.6	23.00	<0.5	<0.2	NA	NA
	9/22/00	NA	NA	NA	NA	21.00	0.09	<0.2	NA	NA
	6/15/00	6.8	7	22.1	3.1	NA	NA	NA	3.8	0.3
MW-8	6/15/00	6.8	9	17.7	0.5	NA	NA	NA	3.6	0.4

Notes:

1. Inorganic chemical results in milligrams per liter (mg/L).
2. ORP = Oxygen Reduction Potential; field measurements in millivolts (mV).
3. DO = Dissolved Oxygen; field measurements in milligrams per liter (mg/L).
4. Temperature, field measurement in degrees Celsius (°C).
5. HPC = Heterotrophic Plate Count; results presents as colony forming units (CFU X 10⁵).
6. NA = Not Analyzed.



0 2,000

SCALE: FEET

Source: U.S.G.S. OAKLAND EAST, CALIF.,
7.5 Minute Quadrangle, 1959,
(photorevised 1980).

SITE LOCATION

FORMER LEMOINE SAUSAGE FACTORY
630 29th AVENUE
OAKLAND, CALIFORNIA

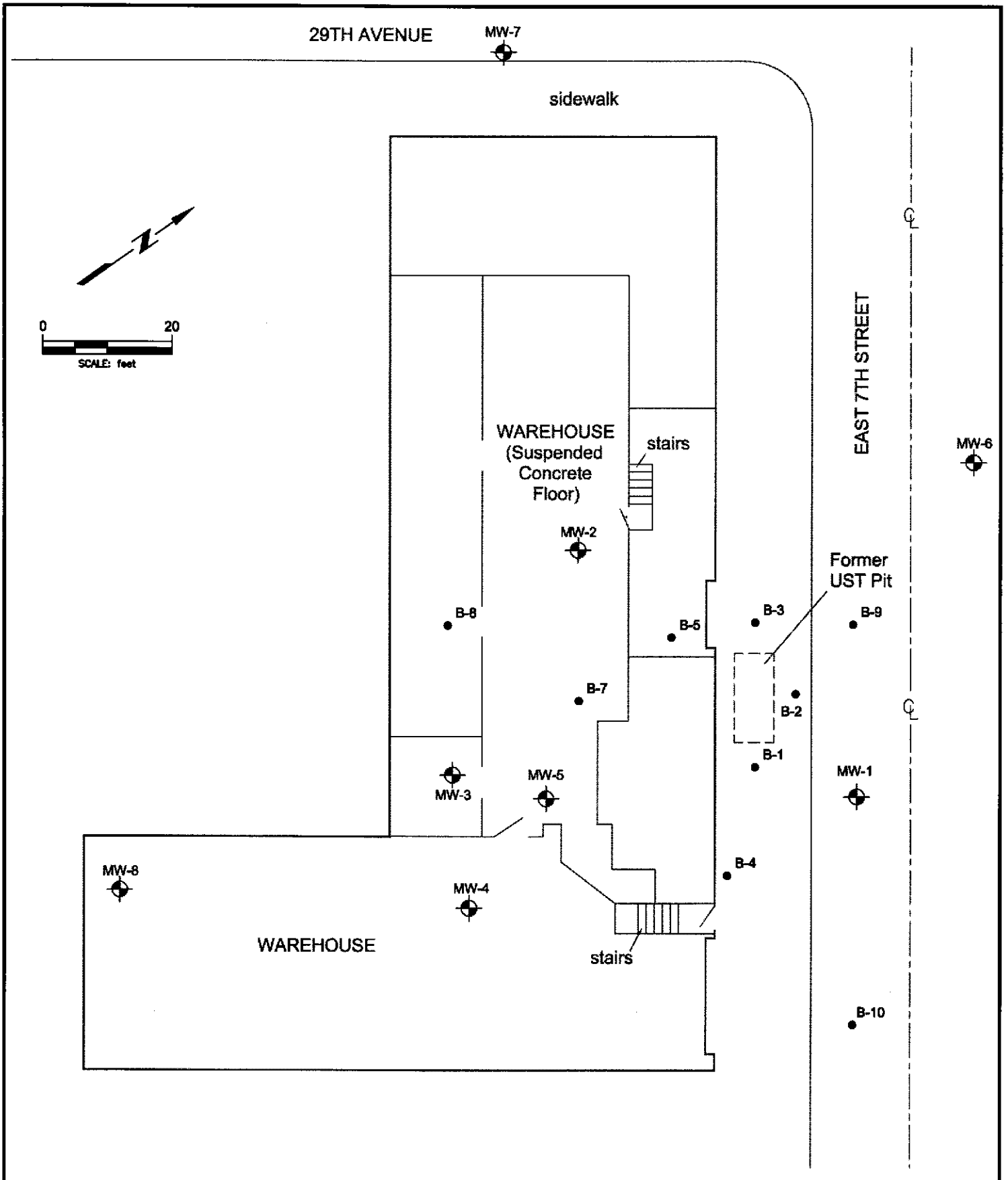
Clayton Project No. 70-97066.00.002

Figure



1

12/31/96
TOPOFIG1.CDR

Clayton
ENVIRONMENTAL
CONSULTANTS



LEGEND

- MW-1  Monitoring Well Location
- B-1  Soil Boring/Temporary Monitoring Well Location

SITE PLAN SHOWING MONITORING WELL AND SOIL BORING LOCATIONS

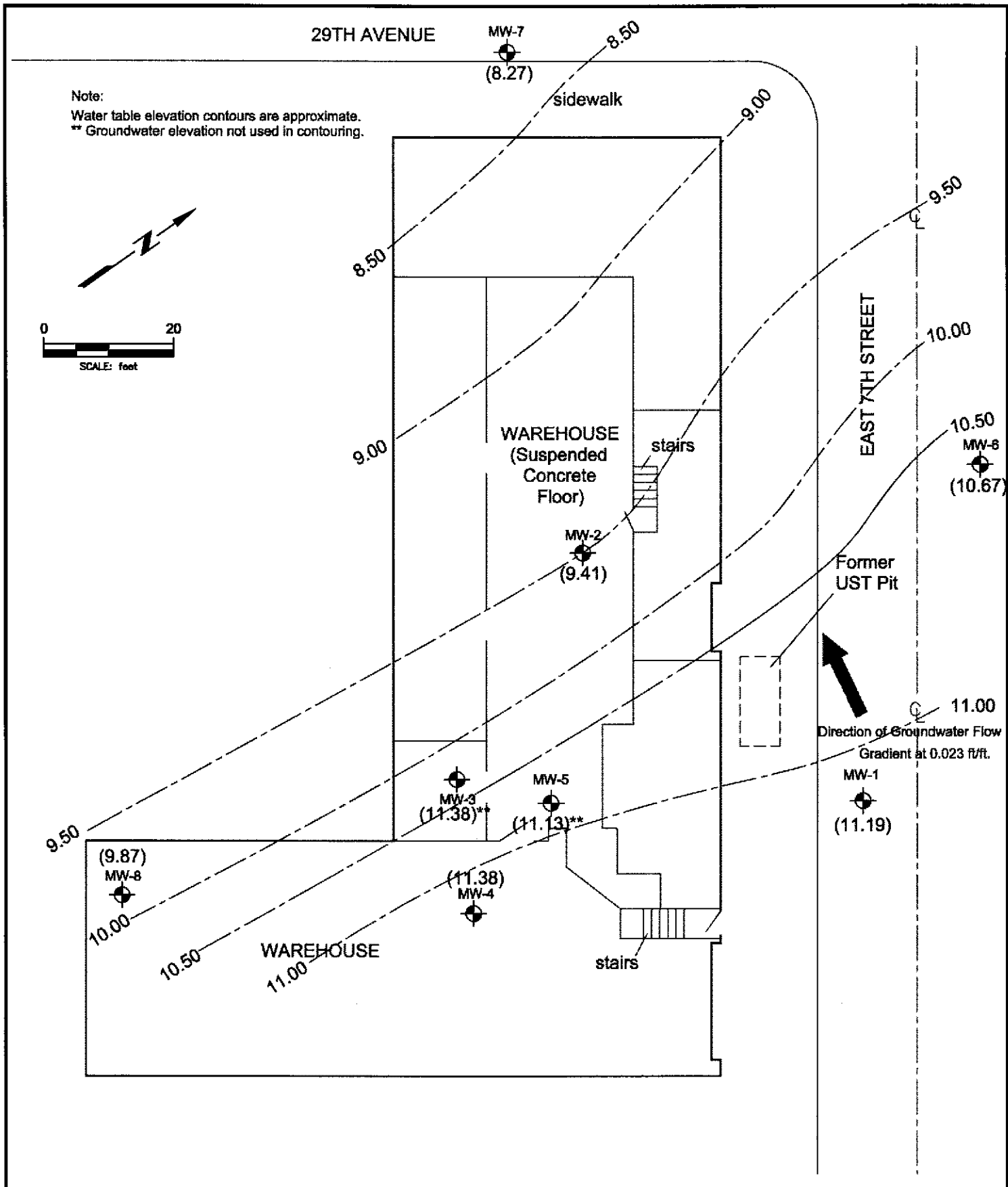
FORMER LEMOINE SAUSAGE FACTORY
 630 29TH AVENUE
 OAKLAND, CALIFORNIA
 Clayton Project No. 70-97066.00

Figure

2

1/08/01
 Q4TH_00.DWG

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LEGEND	
MW-1	Monitoring Well Location (11.19) Groundwater Elevation in Feet above Mean Sea Level
10.50	Groundwater Surface Contour and Elevation

GROUNDWATER ELEVATION CONTOUR MAP
 (DECEMBER 19, 2000)

FORMER LEMOINE SAUSAGE FACTORY
 630 29TH AVENUE
 OAKLAND, CALIFORNIA
 Clayton Project No. 70-97066.00

Figure
3
 1/08/01
 Q4TH_00.DWG

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29TH AVENUE

MW-7

<50
1.6

sidewalk

Note:
Isoconcentration contours are approximate.



EAST 7TH STREET

MW-6
320
<0.5

Former
UST Pit

WAREHOUSE
(Suspended
Concrete
Floor)

stairs

MW-2

43,000
9,800

21,000
3,200

MW-5

50,000
1,200

MW-3

10,000

MW-1

25,000
3,200

MW-8

2,700
410

MW-4

2,200
200

WAREHOUSE

1,000

stairs

LEGEND

MW-1 Monitoring Well Location

25,000 — TPH-G Concentration (micrograms per liter)

3,200 — Benzene Concentration (micrograms per liter)

1,000 — Isoconcentration Contour (micrograms per liter)

TPH-G
CONCENTRATIONS IN GROUNDWATER
DECEMBER 2000

FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA
Clayton Project No. 70-97066.00

Figure

4a

1/08/01
Q4TH_00.DWG

Clayton
ENVIRONMENTAL
CONSULTANTS

29TH AVENUE

MW-7

<50
1.6

sidewalk

Note:
Isoconcentration contours are approximate.



SCALE: feet

EAST 7TH STREET

MW-6

320
<0.5

WAREHOUSE
(Suspended
Concrete
Floor)

stairs

MW-2

43,000
9,800

Former
UST Pit

100

50,000
1,200

MW-3

21,000
3,200

MW-5

MW-1

25,000
3,200

1,000

MW-8

2,700
410

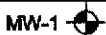
WAREHOUSE

MW-4

2,200
200

stairs

LEGEND



Monitoring Well Location

25,000

TPH-G Concentration (micrograms per liter)

3,200

Benzene Concentration (micrograms per liter)

1,000

Isoconcentration Contour (micrograms per liter)

BENZENE

CONCENTRATIONS IN GROUNDWATER
DECEMBER 2000

FORMER LEMOINE SAUSAGE FACTORY

630 29TH AVENUE

OAKLAND, CALIFORNIA

Clayton Project No. 70-97066.00

Figure

4b

1/08/01

Q4TH_00.DWG

Clayton
ENVIRONMENTAL
CONSULTANTS

APPENDIX A

FOURTH QUARTER (DECEMBER) 2000

GROUNDWATER SAMPLING LOGS

MONITORING WELL DATA SHEET

DATE: 12/17/00

CLIENT: _____

FACILITY: _____

PROJECT #: _____

MILEAGE: _____

FIELD TECH: _____

PAGE: OF: _____

WELL #	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
TIME OPENED (24 hr)						9:26 Am
TIME (24 hr)						
WATER DEPTH (ft)	5.50	11.39	9.72	6.40	9.38	5.93
WELL DEPTH (ft)						
WELL DIAMETER (in)						
WELL VOLUME (gal)						
SHEEN OR FILM						
PRODUCT THICKNESS (ft)	MW-7	MW-8				
FIELD SAMPLE COLOR	0:25 Am	9:30-10				
PURGE DTW	7.20	7.71				
DEVELOP						
SAMPLE						
METHOD						
PURGED WATER VOL. (gal)						
PURGED COLOR						
PURGED PROD. VOL. (gal)						
PURGE SEQUENCE						
PROD DETECT METHOD						

COMMENTS:

APPENDIX B

FOURTH QUARTER (DECEMBER) 2000

**LABORATORY ANALYTICAL DATA SHEETS AND CHAIN-OF-
CUSTODY DOCUMENTATION**



Gasoline by GC/FID CA LUFT

Lab #:	149298	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8015M
Matrix:	Water	Sampled:	12/18/00
Units:	ug/l	Received:	12/19/00

Field ID: MW-2 Diln Fac: 25.00
 Type: SAMPLE Batch#: 60437
 Lab ID: 149298-001 Analyzed: 12/26/00

Analyte	Result	RL
Gasoline C7-C12	25.000	1.300

Surrogate	%REC	Limits
Trifluorotoluene (FID)	106	59-135
Bromofluorobenzene (FID)	106	60-140

Field ID: MW-2 Diln Fac: 25.00
 Type: SAMPLE Batch#: 60437
 Lab ID: 149298-002 Analyzed: 12/26/00

Analyte	Result	RL
Gasoline C7-C12	43.000	1.300

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	59-135
Bromofluorobenzene (FID)	106	60-140

Field ID: MW-3 Diln Fac: 25.00
 Type: SAMPLE Batch#: 60437
 Lab ID: 149298-003 Analyzed: 12/26/00

Analyte	Result	RL
Gasoline C7-C12	50.000	1.300

Surrogate	%REC	Limits
Trifluorotoluene (FID)	107	59-135
Bromofluorobenzene (FID)	105	60-140

Field ID: MW-4 Diln Fac: 1.000
 Type: SAMPLE Batch#: 60341
 Lab ID: 149298-004 Analyzed: 12/20/00

Analyte	Result	RL
Gasoline C7-C12	2.200	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	139	59-135
Bromofluorobenzene (FID)	112	60-140

* - Value outside of QC limits; see narrative
 ND= Not Detected
 RL= Reporting Limit
 Page 1 of 3

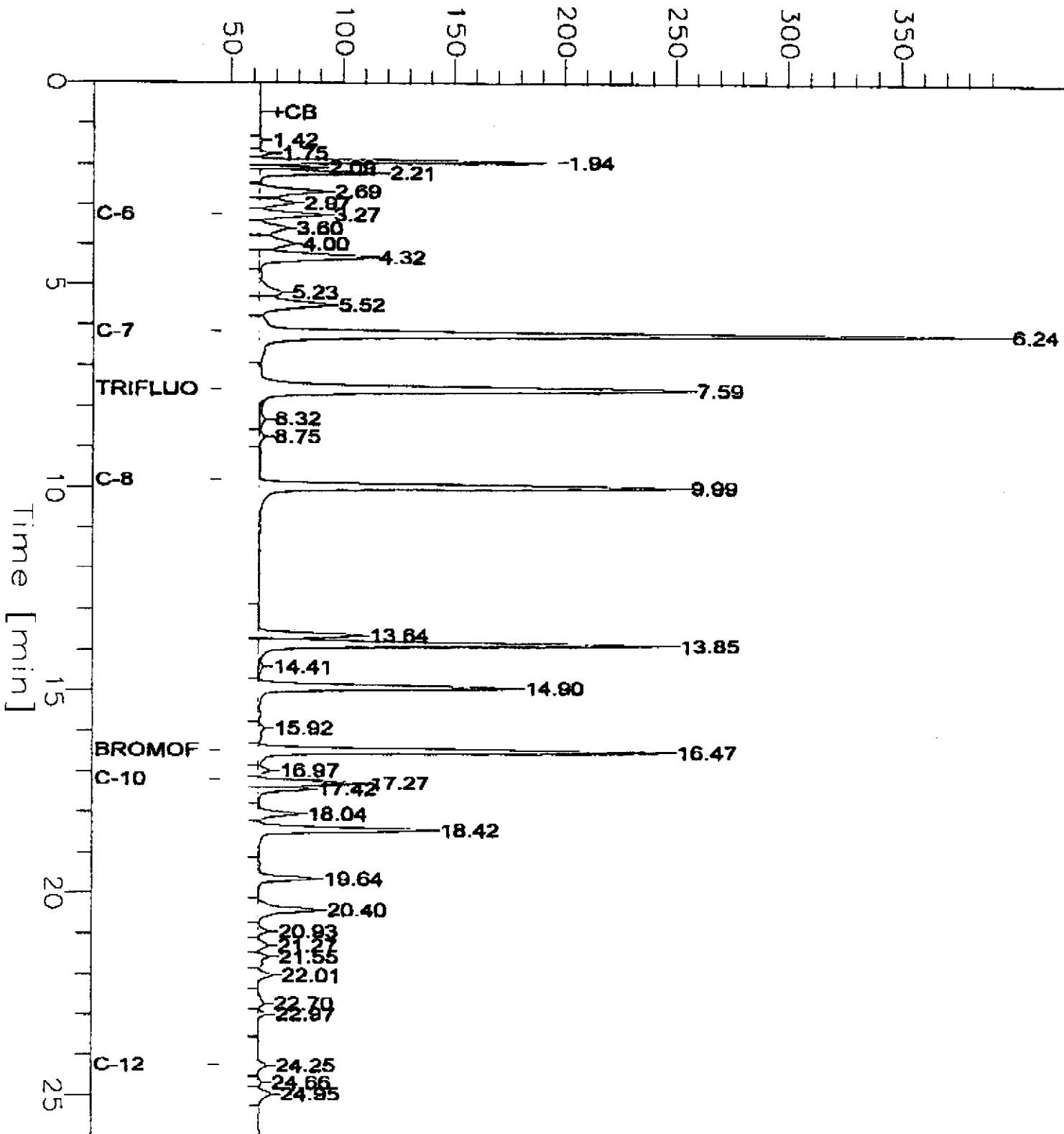
Sample Name : 149298-001,60437
FileName : G:\GC04\DATA\360J019.raw
Method : TVNBTXE
Start Time : 0.00 min
Scale Factor: 1.0

End Time : 26.00 min
Plot Offset: 46 mV

Sample #: c1
Date : 12/26/00 03:07 AM
Time of Injection: 12/26/00 02:41 AM
Low Point : 45.85 mV
Plot Scale: 349.1 mV
High Point : 394.95 mV

MW-1

Response [mV]



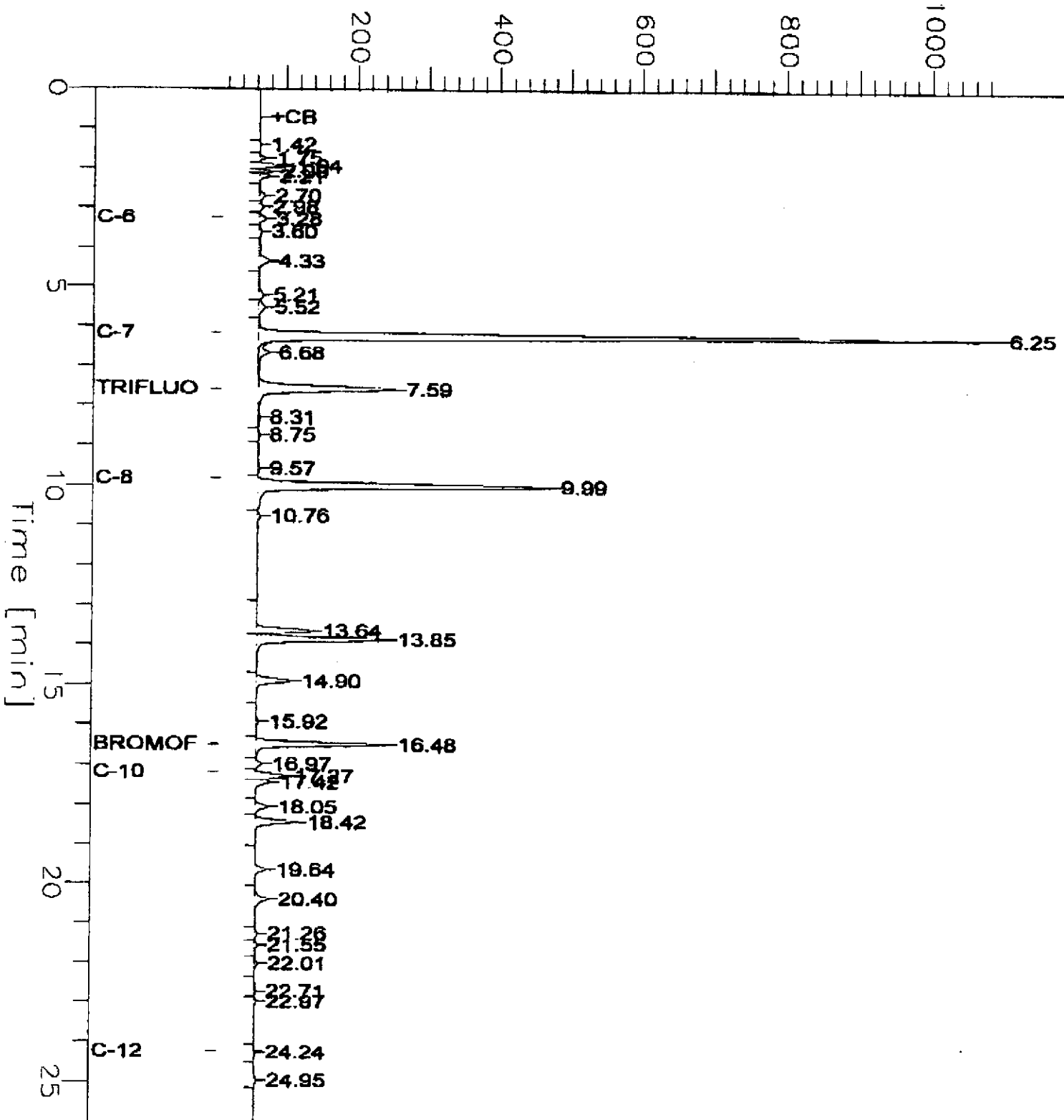
Sample Name : 149298-002.60437
Filename : G:\GC04\DATA\3603020.raw
Method : TVHBTXE
Start Time : 0.00 min
Scale Factor : 1.0

End Time : 26.00 min
Plot Offset: 11 mV

Sample #: 01
Date : 12/26/00 03:41 AM
Time of Injection: 12/26/00 03:15 AM
Low Point : 11.29 mV
Plot Scale: 1082.6 mV
High Point : 1093.86 mV

Response [mV]

MW-2



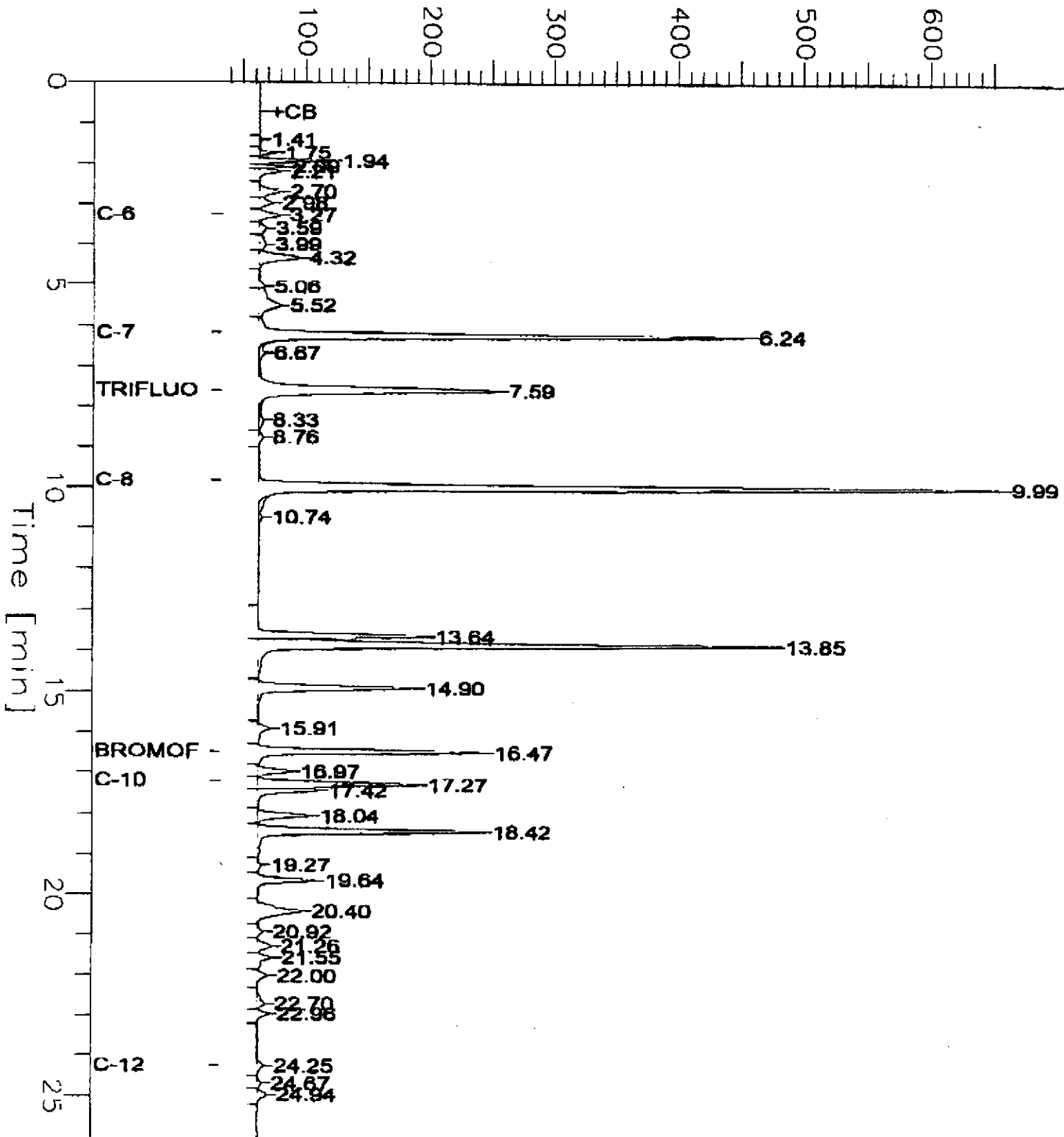
Sample Name : 149298-003, 60437
 FileName : G:\GC04\DATA\360J021.raw
 Method : TVHBTKE
 Start Time : 0.00 min
 Scale Factor : 1.0

End Time : 26.00 min
 Plot Offset: 33 mV

Sample #: c1
 Date : 12/26/00 04:15 AM
 Time of Injection: 12/26/00 03:49 AM
 Low Point : 33.20 mV
 Plot Scale: 624.2 mV
 High Point : 657.44 mV

MW-3

Response [mV]



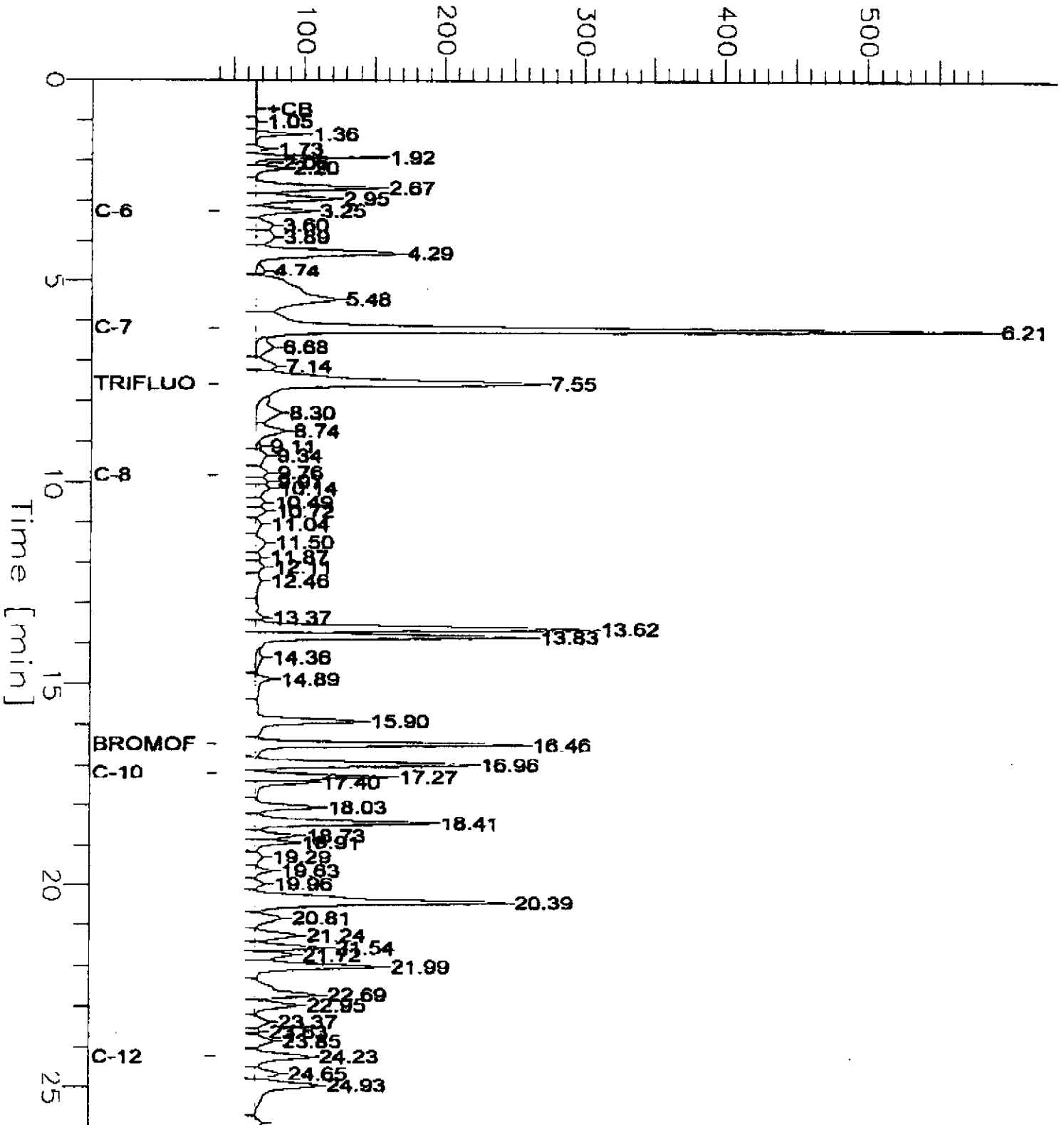
Sample Name : 149298-004,60741
FileName : G:\GC04\DATA\354J013.raw
Method : TVHBTXE
Start Time : 0.00 min
Scale Factor: 1.0

End Time : 26.00 min
Plot Offset: 40 mV

Sample #: a1
Date : 12/20/00 08:55 AM
Time of Injection: 12/20/00 01:27 AM
Low Point : 39.54 mV
High Point : 587.60 mV
Plot Scale: 548.1 mV

MW-4

Response [mV]





Gasoline by GC/FID CA LUFT

Lab #:	149298	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8015M
Matrix:	Water	Sampled:	12/18/00
Units:	ug/L	Received:	12/19/00

Field ID: MW-5 Diln Fac: 25.00
 Type: SAMPLE Batch#: 60437
 Lab ID: 149298-005 Analyzed: 12/26/00

Analyte	Result	RL
Gasoline C7-C12	21.000	1.300
Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	59-135
Bromofluorobenzene (FID)	104	60-140

Field ID: MW-6 Diln fac: 1.000
 Type: SAMPLE Batch#: 60437
 Lab ID: 149298-006 Analyzed: 12/26/00

Analyte	Result	RL
Gasoline C7-C12	320	50
Surrogate	%REC	Limits
Trifluorotoluene (FID)	105	59-135
Bromofluorobenzene (FID)	108	60-140

Field ID: MW-7 Diln Fac: 1.000
 Type: SAMPLE Batch#: 60341
 Lab ID: 149298-007 Analyzed: 12/20/00

Analyte	Result	RL
Gasoline C7-C12	ND	50
Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	59-135
Bromofluorobenzene (FID)	113	60-140

Field ID: MW-8 Diln Fac: 5.000
 Type: SAMPLE Batch#: 60437
 Lab ID: 149298-008 Analyzed: 12/26/00

Analyte	Result	RL
Gasoline C7-C12	2.700	250
Surrogate	%REC	Limits
Trifluorotoluene (FID)	162	59-135
Bromofluorobenzene (FID)	105	60-140

*= Value outside of QC limits: see narrative
 ND= Not Detected
 RL= Reporting Limit
 Page 2 of 3

Sample Name : 149298-005,60437

Sample #: c1

Page 1 of 1

FileName : G:\GC04\DATA\3603022.raw

Date : 12/26/00 04:49 AM

Method : TVHBTXE

Time of Injection: 12/26/00 04:23 AM

Start Time : 0.00 min

End Time : 26.00 min

Low Point : 46.28 mV

High Point : 401.45 mV

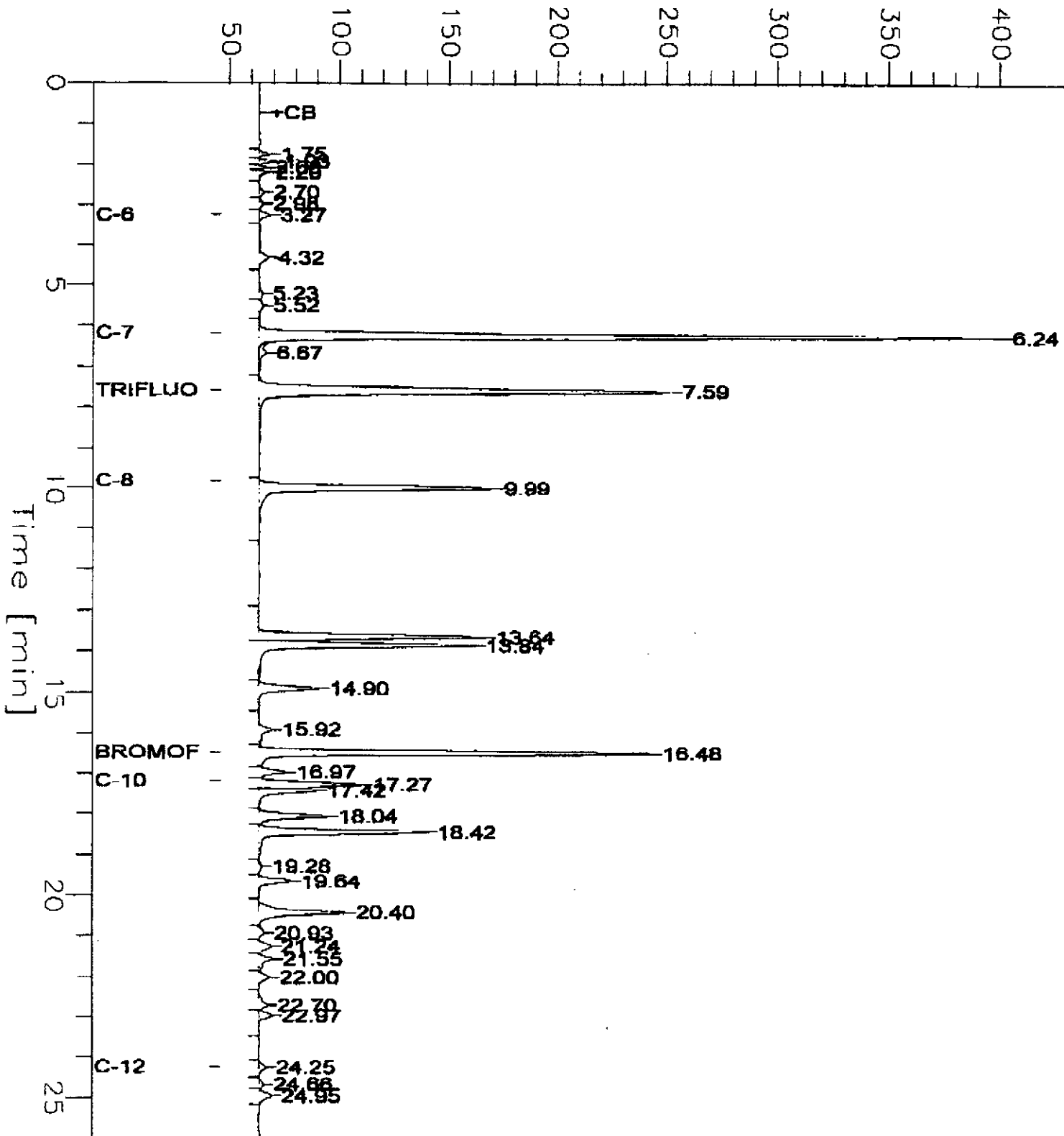
Scale Factor: 1.0

Plot Offset: 46 mV

Plot Scale: 355.2 mV

MW-5

Response [mV]



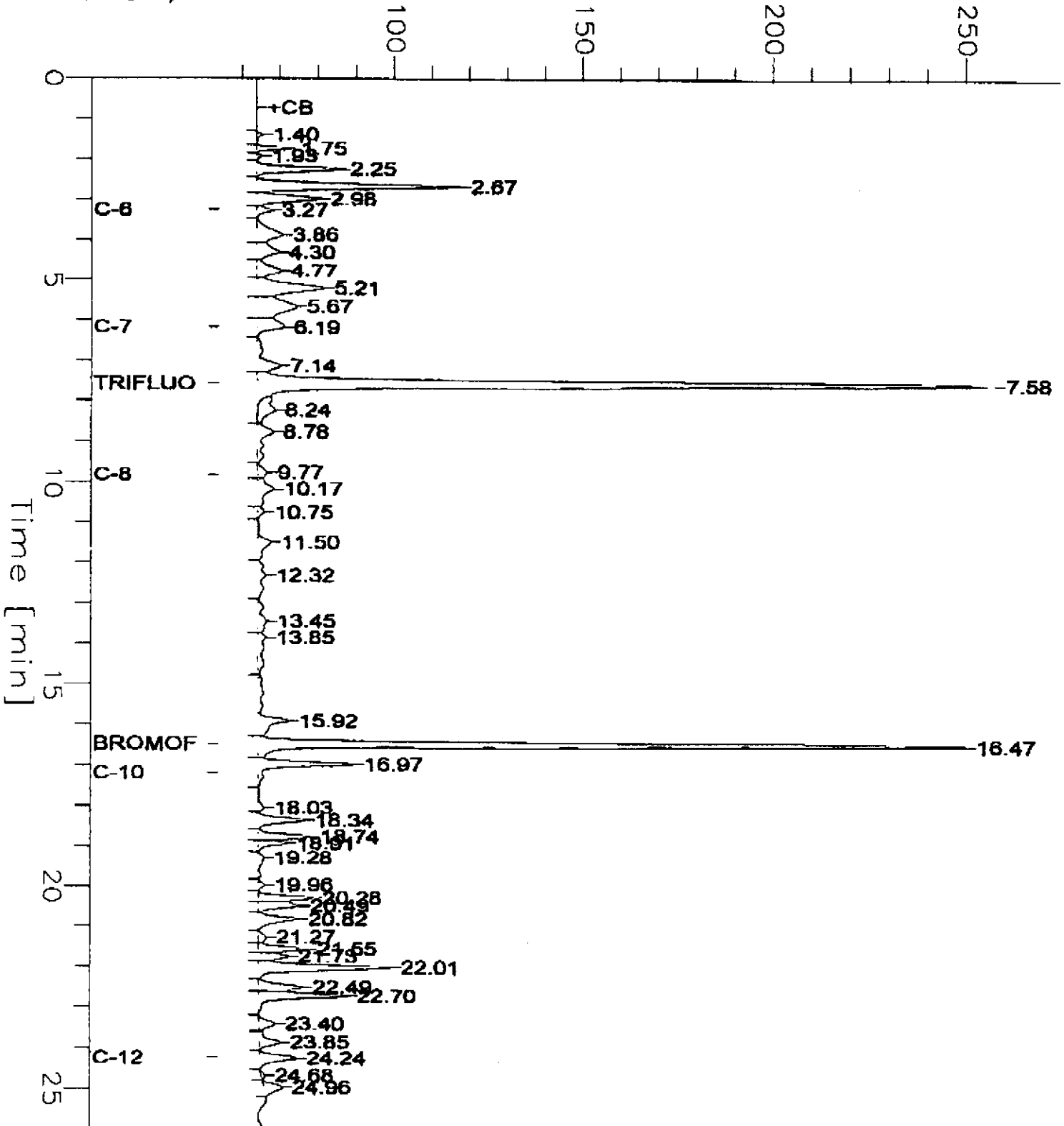
Sample Name : 149298-006,60437
FileName : C:\GC04\DATA\360J023.raw
Method : TVHBTXE
Start Time : 0.00 min
Scale Factor: 1.0

End Time : 26.00 min
Plot Offset: 54 mV

Sample #: cl
Date : 12/26/00 05:23 AM
Time of Injection: 12/26/00 04:57 AM
Low Point : 54.01 mV
Plot Scale: 203.8 mV
High Point : 257.86 mV

Response [mV]

MW-6



GC04 TVR '01' Data File PID

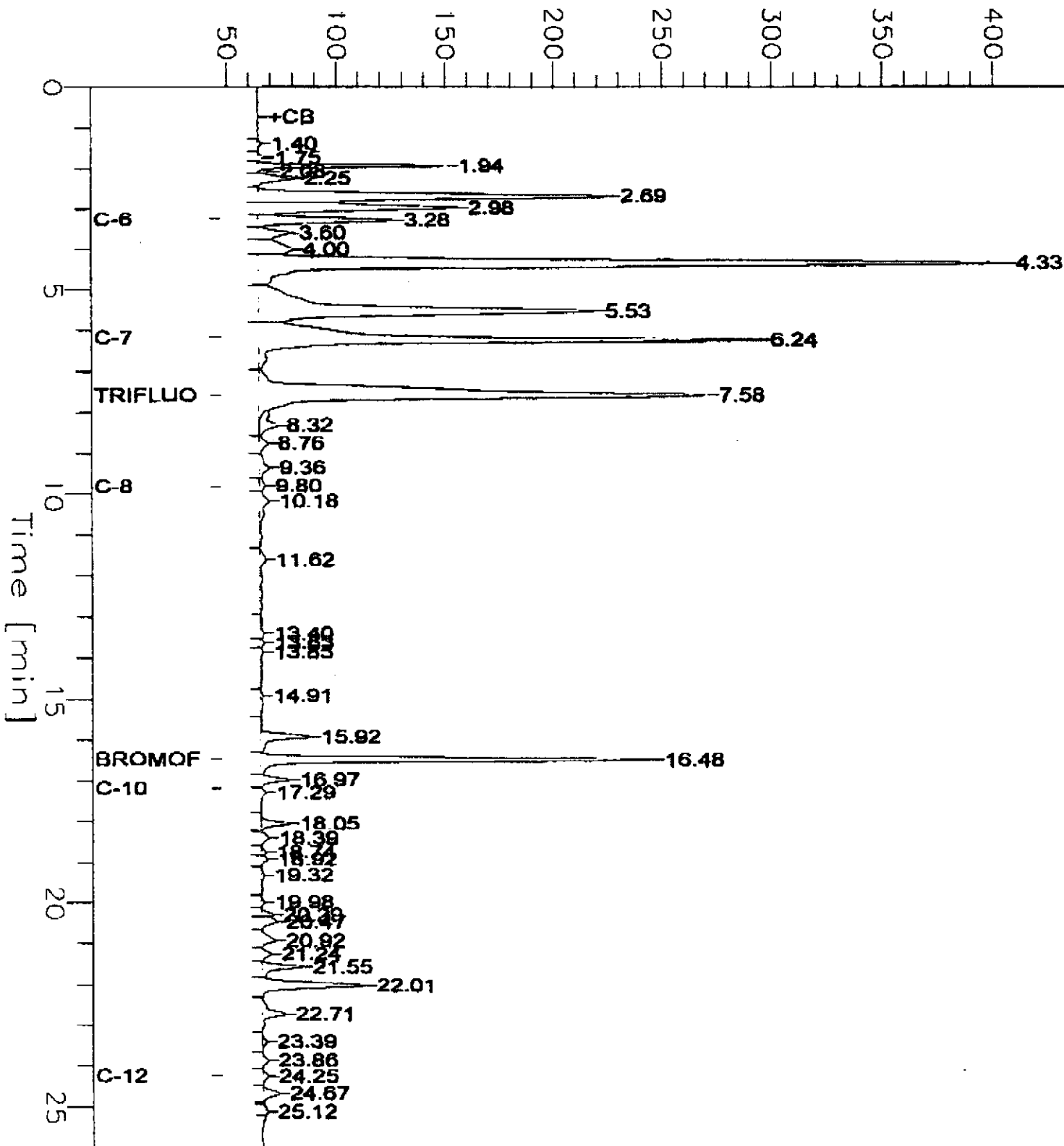
Sample Name : 149298-008,60437
Filename : G:\GCD4\DATA\360J024.raw
Method : TVHBTXE
Start Time : 0.00 min
Scale Factor : 1.0

End Time : 26.00 min
Plot Offset: 47 mV

Sample #: c1
Date : 12/26/00 05:57 AM
Time of Injection: 12/26/00 05:31 AM
Low Point : 46.93 mV
High Point : 405.98 mV
Plot Scale: 359.0 mV

MW-8

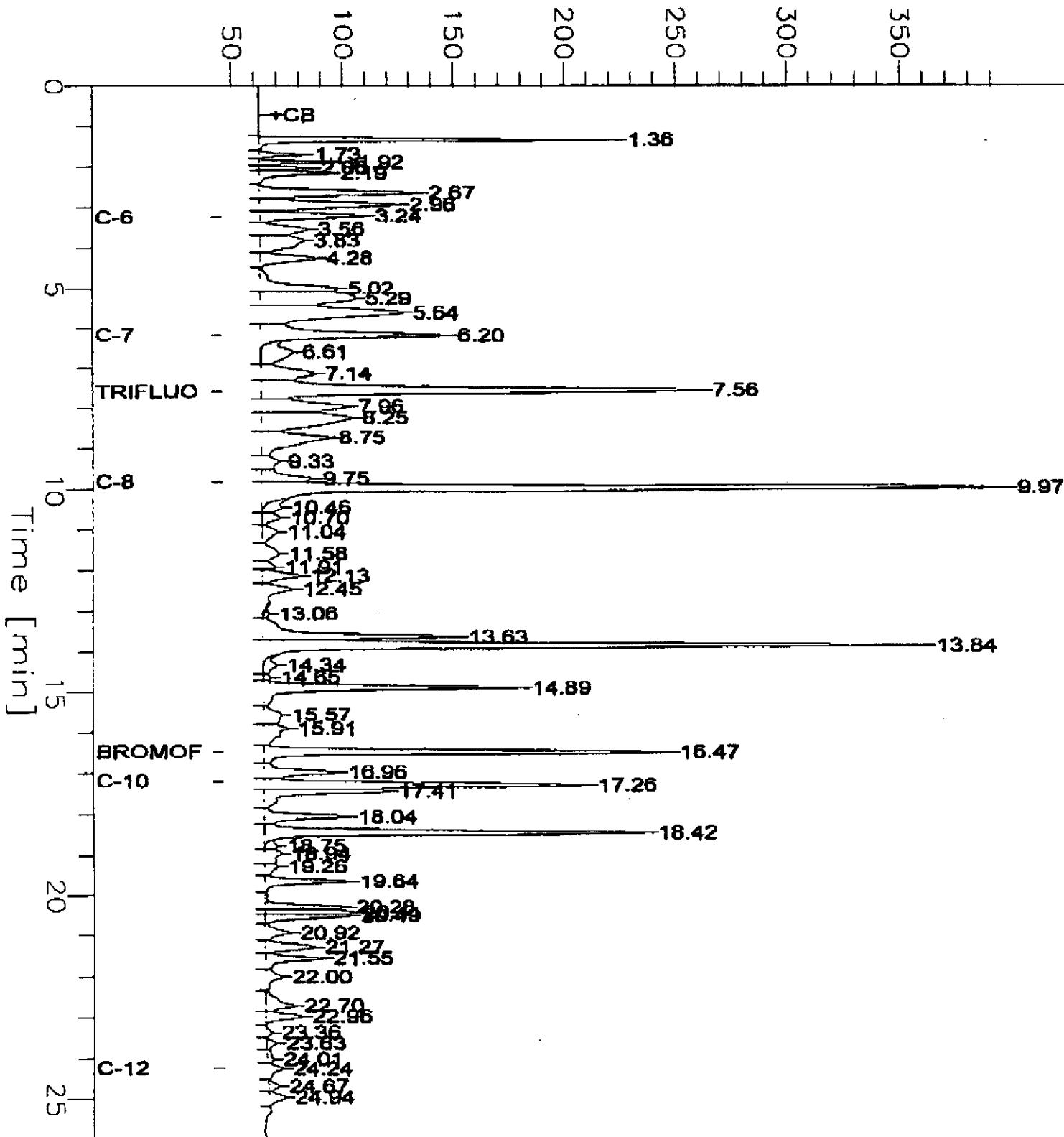
Response [mV]



Sample Name : ccv/lcs.qc133127,60341,00ws0025,5/5000
FileName : G:\GC04\DATA\354J002.raw
Method : TVHRTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 45 mV

Sample #: gas Page 1 of 1
Date : 12/19/00 07:38 PM
Time of Injection: 12/19/00 07:12 PM
Low Point : 45.37 mV High Point : 396.91 mV
Plot Scale: 351.5 mV

Gasoline Response [mV]





Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	149298	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8021B
Matrix:	Water	Sampled:	12/18/00
Units:	ug/L	Received:	12/19/00

Field ID: MW-1 Diln Fac: 25.00
 Type: SAMPLE Batch#: 60437
 Lab ID: 149298-001 Analyzed: 12/26/00

Analyte	Result	RL
Benzene	3,200	13
Toluene	1,900	13
Ethylbenzene	480	13
m,p-Xylenes	2,000 <i>3300</i>	13
o-Xylene	1,300	13

Surrogate	%REC	Limit
Trifluorotoluene (PID)	116	56-142
Bromofluorobenzene (PID)	113	55-149

Field ID: MW-2 Diln Fac: 50.00
 Type: SAMPLE Batch#: 60464
 Lab ID: 149298-002 Analyzed: 12/28/00

Analyte	Result	RL
Benzene	9,800	25
Toluene	4,000	25
Ethylbenzene	810	25
m,p-Xylenes	1,900 <i>24300</i>	25
o-Xylene	530	25

Surrogate	%REC	Limit
Trifluorotoluene (PID)	117	56-142
Bromofluorobenzene (PID)	116	55-149

Field ID: MW-3 Diln Fac: 50.00
 Type: SAMPLE Batch#: 60464
 Lab ID: 149298-003 Analyzed: 12/28/00

Analyte	Result	RL
Benzene	1,200	25
Toluene	1,600	25
Ethylbenzene	510	25
m,p-Xylenes	1,400	25
o-Xylene	410	25

Surrogate	%REC	Limit
Trifluorotoluene (PID)	114	56-142
Bromofluorobenzene (PID)	115	55-149



Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	149298	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8021B
Matrix:	Water	Sampled:	12/18/00
Units:	ug/L	Received:	12/19/00

Field ID: MW-4 Diln Fac: 1.000
 Type: SAMPLE Batch#: 60341
 Lab ID: 149298-004 Analyzed: 12/20/00

Analyte	Result	RL
Benzene	200	0.50
Toluene	2.9	0.50
Ethylbenzene	100	0.50
m,p-Xylenes	77	0.50
o-Xylene	4.4 <i>sl. 4</i>	0.50

Surrogate	SRFC	Limits
Trifluorotoluene (PID)	128	56-142
Bromofluorobenzene (PID)	111	55-149

Field ID: MW-5 Diln Fac: 25.00
 Type: SAMPLE Batch#: 60437
 Lab ID: 149298-005 Analyzed: 12/26/00

Analyte	Result	RL
Benzene	3.200	13
Toluene	1.100	13
Ethylbenzene	1.100	13
m,p-Xylenes	1.000	13
o-Xylene	300 <i>1300</i>	13

Surrogate	SRFC	Limits
Trifluorotoluene (PID)	113	56-142
Bromofluorobenzene (PID)	110	55-149

Field ID: MW-6 Diln Fac: 1.000
 Type: SAMPLE Batch#: 60437
 Lab ID: 149298-006 Analyzed: 12/26/00

Analyte	Result	RL
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	SRFC	Limits
Trifluorotoluene (PID)	114	56-142
Bromofluorobenzene (PID)	114	55-149



Benzene, Toluene, Ethylbenzene, Xylenes

Lab #:	149298	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8021B
Matrix:	Water	Sampled:	12/18/00
Units:	ug/L	Received:	12/19/00

Field ID: MW-7 Diln Fac: 1.000
 Type: SAMPLE Batch#: 60341
 Lab ID: 149298-007 Analyzed: 12/20/00

Analyte	Result	RL
Benzene	1.6	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Trifluorotoluene (PID)	102	56-142
Bromofluorobenzene (PID)	107	55-149

Field ID: MW-8 Diln Fac: 5.000
 Type: SAMPLE Batch#: 60437
 Lab ID: 149298-008 Analyzed: 12/26/00

Analyte	Result	RL
Benzene	410	2.5
Toluene	ND	2.5
Ethylbenzene	4.8	2.5
m,p-Xylenes	ND	2.5
o-Xylene	ND	2.5

Surrogate	%REC	Limits
Trifluorotoluene (PID)	130	56-142
Bromofluorobenzene (PID)	110	55-149

Type: BLANK Batch#: 60341
 Lab ID: QC133126 Analyzed: 12/19/00
 Diln Fac: 1.000

Analyte	Result	RL
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Trifluorotoluene (PID)	107	56-142
Bromofluorobenzene (PID)	106	55-149



Nitrate Nitrogen

Lab #:	149298	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 300.0
Analyte:	Nitrogen, Nitrate	Sampled:	12/18/00
Matrix:	Water	Received:	12/19/00
Units:	mg/L	Analyzed:	12/19/00
Batch#:	60322		

Field ID	Type	Lab ID	Result	RL	Diln Fac
MW-1	SAMPLE	149298-001	ND	0.05	1.000
MW-2	SAMPLE	149298-002	ND	0.50	10.00
MW-4	SAMPLE	149298-004	ND	0.05	1.000
MW-7	SAMPLE	149298-007	23	0.50	10.00
	BLANK	QC133057	ND	0.05	1.000

ND = Not Detected
 RL = Reporting Limit
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Orthophosphate Phosphorous

Lab #:	149298	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 300 0
Analyte:	Orthophosphate (as P)	Sampled:	12/18/00
Matrix:	Water	Received:	12/19/00
Units:	mg/L	Analyzed:	12/19/00
Batch#:	60322		

Field ID	Type	Lab ID	Result	RL	Diln Fac
MW-1	SAMPLE	149298-001	ND	0.20	1.000
MW-2	SAMPLE	149298-002	ND	2.0	10.00
MW-4	SAMPLE	149298-004	ND	0.20	1.000
MW-7	SAMPLE	149298-007	ND	0.20	1.000
	BLANK	QC133057	ND	0.20	1.000

ND - Not Detected
 RL = Reporting Limit
 Page 1 of 1



Permissible Volatiles by State

Lab #:	149298	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-1	Batch#:	60499
Lab ID:	149298-001	Sampled:	12/18/00
Matrix:	Water	Received:	12/19/00
Units:	ug/L	Analyzed:	12/29/00
Diln Fac:	5.000		

Analyte	Result	Limit
Chloromethane	ND	5.0
Vinyl Chloride	ND	5.0
Bromomethane	ND	5.0
Chloroethane	ND	5.0
Trichlorofluoromethane	ND	2.5
Freon 113	ND	5.0
1,1-Dichloroethene	ND	2.5
Methylene Chloride	ND	100
trans-1,2-Dichloroethene	ND	2.5
1,1-Dichloroethane	ND	2.5
cis-1,2-Dichloroethene	ND	2.5
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	2.5
Carbon Tetrachloride	ND	2.5
1,2-Dichloroethane	ND	2.5
Trichloroethene	ND	2.5
1,2-Dichloropropane	ND	2.5
Bromodichloromethane	ND	2.5
cis-1,3-Dichloropropene	ND	2.5
trans-1,3-Dichloropropene	ND	2.5
1,1,2-Trichloroethane	ND	2.5
Tetrachloroethene	ND	2.5
Dibromochloromethane	ND	2.5
Chlorobenzene	ND	2.5
Bromoform	ND	2.5
1,1,2,2-Tetrachloroethane	ND	2.5
1,3-Dichlorobenzene	ND	2.5
1,4-Dichlorobenzene	ND	2.5
1,2-Dichlorobenzene	ND	2.5

Analyte	Result	Limit
1,2-Dichloroethane-d4	107	78-123
Toluene-d8	97	80-110
Bromofluorobenzene	95	80-115

ND= Not Detected
 RL= Reporting Limit
 Page 1 of 1



Lab #:	149298	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-2	Batch#:	60472
Lab ID:	149298-002	Sampled:	12/18/00
Matrix:	Water	Received:	12/19/00
Units:	ug/L	Analyzed:	12/28/00
Diln Fac:	25.00		

Chloromethane	ND	25
Vinyl Chloride	ND	25
Bromomethane	ND	25
Chloroethane	ND	25
Trichlorofluoromethane	ND	13
Freon 113	ND	25
1,1-Dichloroethene	ND	13
Methylene Chloride	ND	500
trans-1,2-Dichloroethene	ND	13
1,1-Dichloroethane	ND	13
cis-1,2-Dichloroethene	ND	13
Chloroform	ND	25
1,1,1-Trichloroethane	ND	13
Carbon Tetrachloride	ND	13
1,2-Dichloroethane	21	13
Trichloroethene	ND	13
1,2-Dichloropropane	ND	13
Bromodichloromethane	ND	13
cis-1,3-Dichloropropene	ND	13
trans-1,3-Dichloropropene	ND	13
1,1,2-Trichloroethane	ND	13
Tetrachloroethene	ND	13
Dibromochloromethane	ND	13
Chlorobenzene	ND	13
Bromoform	ND	13
1,1,2,2-Tetrachloroethane	ND	13
1,3-Dichlorobenzene	ND	13
1,4-Dichlorobenzene	ND	13
1,2-Dichlorobenzene	ND	13

1,2-Dichloroethane-d4	104	78-123
Toluene-d8	98	80-110
Bromofluorobenzene	96	80-115

ND= Not Detected
 RL= Reporting Limit
 Page 1 of 1



Sausage Factory

Lab #:	149298	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260H
Field ID:	NW-3	Batch#:	60472
Lab ID:	149298-003	Sampled:	12/18/00
Matrix:	Water	Received:	12/19/00
Units:	ug/L	Analyzed:	12/28/00
Diln Fac:	16.67		

Analyte	Result	Limit
Chloromethane	ND	17
Vinyl Chloride	ND	17
Bromomethane	ND	17
Chloroethane	ND	17
Trichlorofluoromethane	ND	8.3
Freon 113	ND	17
1,1-Dichloroethane	ND	8.3
Methylene Chloride	ND	330
trans-1,2-Dichloroethane	ND	8.3
1,1-Dichloroethane	ND	8.3
cis-1,2-Dichloroethane	ND	8.3
Chloroform	ND	17
1,1,1-Trichloroethane	ND	8.3
Carbon Tetrachloride	ND	8.3
1,2-Dichloroethane	350	8.3
Trichloroethene	ND	8.3
1,2-Dichloropropane	ND	8.3
Bromodichloromethane	ND	8.3
cis-1,3-Dichloropropene	ND	8.3
trans-1,3-Dichloropropene	ND	8.3
1,1,2-Trichloroethane	ND	8.3
Tetrachloroethene	ND	8.3
Dibromochloromethane	ND	8.3
Chlorobenzene	ND	8.3
Bromoform	ND	8.3
1,1,2,2-Tetrachloroethane	ND	8.3
1,3-Dichlorobenzene	ND	8.3
1,4-Dichlorobenzene	ND	8.3
1,2-Dichlorobenzene	ND	8.3

Analyte	Result	Limit
1,2-Dichloroethane-d4	104	78-123
Toluene-d8	100	80-110
Bromofluorobenzene	98	80-115

ND= Not Detected
 RL= Reporting Limit
 Page 1 of 1



Lab #:	149298	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-4	Batch#:	60472
Lab ID:	149298-004	Sampled:	12/18/00
Matrix:	Water	Received:	12/19/00
Units:	ug/L	Analyzed:	12/28/00
Diln Fac:	1.000		

Analysis	Result	Reporting Limit
Chloromethane	ND	1.0
Vinyl Chloride	ND	1.0
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Freon 113	ND	1.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethane	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Analysis	Result	Reporting Limit
1,2-Dichloroethane-d4	118	78-123
Toluene-d8	97	80-110
Bromofluorobenzene	98	80-115

ND= Not Detected

RL= Reporting Limit

Page 1 of 1



Sample Location: Sausage Factory

Lab #:	149298	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-5	Batch#:	60472
Lab ID:	149298-005	Sampled:	12/18/00
Matrix:	Water	Received:	12/19/00
Units:	ug/L	Analyzed:	12/28/00
Diln Fac:	8.333		

Sample	Result	Limit
Chloromethane	ND	8.3
Vinyl Chloride	ND	8.3
Bromomethane	ND	8.3
Chloroethane	ND	8.3
Trichlorofluoromethane	ND	4.2
Freon 113	ND	8.3
1,1-Dichloroethene	ND	4.2
Methylene Chloride	ND	170
trans-1,2-Dichloroethene	ND	4.2
1,1-Dichloroethane	ND	4.2
cis-1,2-Dichloroethene	ND	4.2
Chloroform	ND	8.3
1,1,1-Trichloroethane	ND	4.2
Carbon Tetrachloride	ND	4.2
1,2-Dichloroethane	15	4.2
Trichloroethene	ND	4.2
1,2-Dichloropropane	ND	4.2
Bromodichloromethane	ND	4.2
cis-1,3-Dichloropropene	ND	4.2
trans-1,3-Dichloropropene	ND	4.2
1,1,2-Trichloroethane	ND	4.2
Tetrachloroethene	ND	4.2
Dibromochloromethane	ND	4.2
Chlorobenzene	ND	4.2
Bromoform	ND	4.2
1,1,2,2-Tetrachloroethane	ND	4.2
1,3-Dichlorobenzene	ND	4.2
1,4-Dichlorobenzene	ND	4.2
1,2-Dichlorobenzene	ND	4.2

Sample	Result	Limit
1,2-Dichloroethane-d4	102	78-123
Toluene-d8	98	80-110
Bromofluorobenzene	98	80-115

ND= Not Detected
 RL= Reporting Limit
 Page 1 of 1



Analytical Data			
Lab #:	149298	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-6	Batch#:	60472
Lab ID:	149298-006	Sampled:	12/18/00
Matrix:	Water	Received:	12/19/00
Units:	ug/L	Analyzed:	12/28/00
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	1.0
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Freon 113	ND	1.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	1.1	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Analyte	Result	RL
1,2-Dichloroethane-d4	110	78-123
Toluene-d8	97	80-110
Bromofluorobenzene	97	80-115

ND= Not Detected

RL= Reporting Limit

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Sausage Factory			
Lab #:	149298	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	NW-7	Batch#:	60472
Lab ID:	149298-007	Sampled:	12/18/00
Matrix:	Water	Received:	12/19/00
Units:	ug/L	Analyzed:	12/28/00
Diln Fac:	1.000		

Compound	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	1.0
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	0.5
Freon 113	ND	1.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

1,2-Dichloroethane-d4	106	78-123
Toluene-d8	97	80-110
Bromofluorobenzene	98	80-115

ND= Not Detected

RL= Reporting Limit

Page 1 of 1



Available Data by Date			
Lab #:	149298	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-8	Batch#:	60499
Lab ID:	149298-008	Sampled:	12/18/00
Matrix:	Water	Received:	12/19/00
Units:	ug/L	Analyzed:	12/29/00
Diln Fac:	7.143		

Analyte	Result	RL
Chloromethane	ND	7.1
Vinyl Chloride	<u>48</u>	7.1
Bromomethane	ND	7.1
Chloroethane	ND	7.1
Trichlorofluoromethane	ND	3.6
Freon 113	ND	7.1
1,1-Dichloroethene	ND	3.6
Methylene Chloride	ND	140
trans-1,2-Dichloroethene	<u>67</u>	3.6
1,1-Dichloroethane	ND	3.6
cis-1,2-Dichloroethene	<u>1,000</u>	3.6
Chloroform	ND	7.1
1,1,1-Trichloroethane	ND	3.6
Carbon Tetrachloride	ND	3.6
1,2-Dichloroethane	9.1	3.6
Trichloroethene	<u>130</u>	3.6
1,2-Dichloropropane	ND	3.6
Bromodichloromethane	ND	3.6
cis-1,3-Dichloropropene	ND	3.6
trans-1,3-Dichloropropene	ND	3.6
1,1,2-Trichloroethane	ND	3.6
Tetrachloroethene	ND	3.6
Dibromochloromethane	ND	3.6
Chlorobenzene	ND	3.6
Bromoform	ND	3.6
1,1,2,2-Tetrachloroethane	ND	3.6
1,3-Dichlorobenzene	ND	3.6
1,4-Dichlorobenzene	ND	3.6
1,2-Dichlorobenzene	ND	3.6

Analyte	RL	RL
1,2-Dichloroethane-d4	103	78-123
Toluene-d8	99	80-110
Bromofluorobenzene	95	80-115

ND= Not Detected
 RL= Reporting Limit
 Page 1 of 1

CHAIN OF CUSTODY FORM

Curtis & Tompkins, Ltd.
 Analytical Laboratory Since 1878
 2323 Fifth Street
 Berkeley, CA 94710
 (510)486-0900 Phone
 (510)486-0532 Fax

C&T
 LOGIN # 149298

Analyses

Project No: _____
 Project Name: SAUSAGE FACTORY
 Project P.O.: _____
 Turnaround Time: STANDARD

Sampler: MARC MULLANEY
 Report To: WARREN CHAMBERLIN
 Company: CLAYTON
 Telephone: 925-426-2600
 Fax: 925-426-0106

Laboratory Number	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative				Field Notes
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE	
For Sale Laboratory	MW-1	2/19/00 1430		X			X		X		SUSPECT HIGH G/BTEX ↓ HOLD OTHER PHOS
	MW-2			X							
	MW-3			X							
	MW-4	2/19/00 1500		X							
	MW-5	1/20		X							
	MW-6			X							
	MW-7			X							
	MW-8			X							

TPH/G/BTEX	8010	NITRATES	ORTHO PHOSPHATE
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X

Notes: Received Cold Ambient On Ice Intact

Preservation Correct?
 Yes No N/A

RELINQUISHED BY:		RECEIVED BY:	
<u>Marc Mullaney</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>
DATE/TIME	DATE/TIME	DATE/TIME	DATE/TIME

did not receive MW 5 Signature
 Only received 2 Vials for MW-2