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April 18, 2001

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

Subject: First Quarter 2001 Groundwater Monitoring Report for the former
Lemoine Sausage Facility at 630 29th Avenue in Oakland, California

Dear Mr. Chan:

Clayton has prepared the First Quarter 2001 Groundwater Monitoring Report for the former Lemoine Sausage Facility at 630 29th Avenue in Oakland, California.

If you have any comments or questions regarding the First Quarter 2001 Groundwater Monitoring Report please contact me at (925) 426-2665. Jon and I look forward to our meeting on Tuesday, April 24 at 10:30 a.m. to further discuss future characterization efforts for the site.

Sincerely,

A handwritten signature in cursive script, appearing to read "Warren B. Chamberlain".

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

A handwritten signature in cursive script, appearing to read "Jon A. Rosso".

Jon A. Rosso, P.E.
Director

WBC/wbc

cc: Donna Proffitt
Marlin Zechman
Rita Repko

**First Quarter 2001 Groundwater Monitoring Report
for the
Former Lemoine Sausage Facility
630 29th Avenue
Oakland, California**

Clayton Project No. 70-97066.00

April 18, 2001

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1. INTRODUCTION

Clayton Group Services, Inc., (Clayton) has conducted a groundwater monitoring of eight monitoring wells located at the former Lemoine Sausage Facility at 630 29th Avenue in Oakland, California (Figure 1). The groundwater monitoring is performed pursuant a request from the Alameda County Health Care Services (ACHCS) in the letter dated June 21, 1999. The purpose of groundwater monitoring is to observe the level of Total Petroleum Hydrocarbons of Gasoline (TPHG) and Benzene, Toluene, Ethylbenzene, Xylenes (BTEX) concentrations in the groundwater in the vicinity of the former underground storage tank (UST). According to the ACHCS, groundwater monitoring will be conducted on a quarterly basis.

This First Quarter 2001 Groundwater Monitoring Report documents field activities, and presents data used to determine the groundwater elevation and gradient at the site, and laboratory analytical results for groundwater samples collected from monitoring wells.

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.

3. GROUNDWATER MONITORING FIELD ACTIVITIES

The following discussion describes field methods used to obtain depth to water measurements, and collect groundwater samples. Field activities were performed on March 21, and 22, 2001. Groundwater samples were collected from 8 monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, and MW-8).

3.1. GROUNDWATER LEVEL MEASUREMENTS

The depth to water in each monitoring well was measured on March 21, 2001. Clayton measured from the surveyed notch located on the top of each well casing (TOC) to the groundwater interface in each well, with an electronic water level indicator. Subtracting the measured depth to water from the TOC elevation, the groundwater elevation at each well location was determined. In addition, the difference between the groundwater elevation and the bottom of the well casing elevation was used to determine the water column in each well. The (purge) volume of water within each well casing was determined by multiplying the water column height by the well casing cross-sectional area. Field measurements of the depth to water and the determination of the well casing purge volume for each well were recorded on the field data sampling sheets included as Appendix A to this report.

3.2. MONITORING WELL PURGING

Five monitoring wells (MW-1 through MW-5) are constructed with ¾-inch diameter PVC well casings and three monitoring wells (MW-6 through MW-8) are constructed with 2-inch diameter PVC well casings. Approximately four well casing volumes of water were removed from each monitoring well prior to sampling. The five wells with ¾-inch well casings were purged with a peristaltic pump and ¼-inch polytubing, and the three wells with 2 inch well casings were purged by hand bailing with a 1-liter Teflon bailer. Water quality parameters (pH, specific conductivity, oxidation-reduction potential, dissolved oxygen and temperature) were measured and recorded onto field sampling data sheets prior to purging and after removing each well casing volume of water.

Field logs documenting water level measurements and well purging for the First Quarter, 2001 sampling event are presented in Appendix A. Groundwater purged from monitoring wells during sampling was stored onsite in a USDOT approved 55-gallon drum.

3.3. MONITORING WELL SAMPLING

Prior to collecting a groundwater sample from each monitoring well, the well was allowed to recharge until at least 80-percent of the original well casing volume of water was present. Groundwater samples for laboratory analyses were retrieved using either a peristaltic pump with polytubing or with disposable bailers 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. SAMPLE ANALYSES

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

- USEPA Method 8015 Modified for Total Petroleum Hydrocarbons as Gasoline (TPHG)
- USEPA Method 8020 for Aromatic Hydrocarbons (BTEX)
- USEPA Method 8010 for Halogenated Organic Compounds (VOCs)

Certified analytical data sheets and chain-of-custody documentation from the March 21, 2001 groundwater-sampling event are presented in Appendix B.

4. FINDINGS

The following discussion presents an interpretation of groundwater flow conditions and water quality at the site based on the results obtained from field measurements and laboratory analyses.

4.1. GROUNDWATER FLOW CONDITIONS

The site's potentiometric surface map was produced by contouring the groundwater elevation for each monitoring point with respect to each monitoring points surveyed co-ordinate location. The direction of groundwater flow is inferred to be perpendicular to equipotential contours. From the groundwater elevations determined for monitoring wells MW-1 and MW-7, a hydraulic gradient of 0.0194 feet per foot (ft/ft) exists towards the north-northeast.

Historical depth to water measurement and groundwater elevation data are presented on Table 1. The potentiometric contour map as determined from the March 21, 2001 depth to water measurements with the groundwater flow direction indicated are presented on Figure 3.

4.2. PETROLEUM AND AROMATIC HYDROCARBONS

The frequency and range of petroleum hydrocarbons detected in groundwater samples are as follows:

- TPHG was detected in all 8 samples tested, and ranged in concentrations from 160 micrograms per liter ($\mu\text{g/L}$) to 34,000 $\mu\text{g/L}$.
- Benzene was detected in 7 of 8 samples tested, and ranged in concentration from 98 $\mu\text{g/L}$ to 10,000 $\mu\text{g/L}$.
- Toluene was detected in 5 of 8 samples tested, and ranged in concentration from 13 $\mu\text{g/L}$ to 3,200 $\mu\text{g/L}$.
- Ethylbenzene was detected in 7 of 8 samples tested, and ranged in concentration from 1.4 $\mu\text{g/L}$ to 410 $\mu\text{g/L}$.
- Xylenes were detected in 6 of 8 samples tested, and ranged in concentration from 0.52 $\mu\text{g/L}$ to 2,600 $\mu\text{g/L}$.

4.3. PURGEABLE HALOCARBONS

The following VOCs were detected at the following frequency and concentration ranges:

- 1,2-Dichloroethane (DCA) was detected in 3 of 8 samples tested, and ranged in concentration from 2.3 $\mu\text{g/L}$ to 14 $\mu\text{g/L}$.
- Trichloroethene (TCE) was detected in 1 of 8 samples tested, at 32 $\mu\text{g/L}$.
- Cis 1,2'-Dichloroethene (DCE) was detected in 2 of 8 samples tested and ranged in concentration from 1.6 $\mu\text{g/L}$ to 760 $\mu\text{g/L}$.
- Trans 1,2'-DCE was detected in 1 of 8 samples tested, at 39 $\mu\text{g/L}$.
- Vinyl Chloride (VC) was detected in 1 of 8 samples tested, at 58 $\mu\text{g/L}$.

5. CONCLUSIONS AND RECOMMENDATIONS

The groundwater gradient determined for the First Quarter 2001 groundwater monitoring event was found to be 0.0194 ft/ft to the north-northeast and is consistent with past

determinations. The distribution of petroleum hydrocarbons in groundwater is consistent with previous determinations, with the exception of results from monitoring well MW-3. & MW-5.

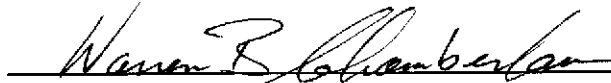
The distribution of VOCs is consistent with past results, with trace levels of the fuel additive 1,2-DCA detected in 3 wells, and TCE, DCE and VC were only detected in monitoring well MW-8. The source of TCE, DCE and VC has not been determined, but an off-site source is suspected.

This report prepared by:



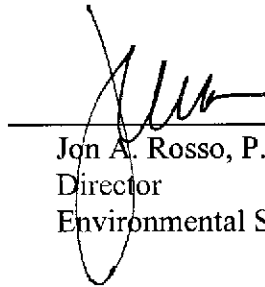
Mike Krzeminski
Staff Environmental Consultant

This report reviewed by:



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

This report reviewed by:



Jon A. Rosso, P.E.
Director
Environmental Services

Table 1

Summary of Groundwater Elevation Data
 Former Lemoine Sausage Facility
 630 29th Avenue
 Oakland, California

| Well Identification | Date Measured | Top of Casing Elevation (ft,msl) | Depth to Water (feet) | Groundwater Elevation (ft,msl) |
|---------------------|---------------|----------------------------------|-----------------------|--------------------------------|
| MW-1 | 3/21/01 | 16.69 | 4.29 | 12.40 |
| | 12/19/00 | | 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 | 3/21/01 | 20.79 | 10.01 | 10.78 |
| | 12/19/00 | | 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 | 3/21/01 | 21.10 | < 8.95 > | 12.15 |
| | 12/19/00 | | < 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 | 3/21/01 | 17.78 | 5.77 | 12.01 |
| | 12/19/00 | | 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 | 3/21/01 | 21.12 | < 8.68 > | 12.44 |
| | 12/19/00 | | < 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 | 3/21/01 | 16.60 | 4.7 | 11.90 |
| | 12/19/00 | | 5.93 | 10.67 |
| | 9/22/00 | | 6.54 | 10.06 |
| | 6/15/00 | | 5.47 | 11.13 |
| MW-7 | 3/21/01 | 15.47 | 5.53 | 9.94 |
| | 12/19/00 | | 7.20 | 8.27 |
| | 9/22/00 | | 7.51 | 7.96 |
| | 6/15/00 | | 6.40 | 9.07 |

Table 1

Summary of Groundwater Elevation Data
Former Lemoine Sausage Facility
630 29th Avenue
Oakland, California

| Well Identification | Date Measured | Top of Casing Elevation (ft,msl) | Depth to Water (feet) | Groundwater Elevation (ft,msl) |
|---------------------|---------------|----------------------------------|-----------------------|--------------------------------|
| MW-8 | 3/21/01 | 17.58 | 6.4 | 11.18 |
| | 12/19/00 | | 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
2. NM = Not Measured.

Table 2

**Summary of Monitoring Well Groundwater Analytical Data
Former Lemoine Sausage Facility
630 29th Avenue
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 | 3/21/00 | 21,000 | NA | 3,200 | 290 | 1,700 | 2,600 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 |
| | 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 | 3/23/01 | 34,000 | NA | 10,000 | 410 | 3,200 | 1,220 | 14 | <13 | <13 | <13 | <13 |
| | 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 | 3/22/01 | 1,300 | NA | 98 | 51 | 67 | 104 | 2.3 | <0.5 | <0.5 | <0.5 | <0.5 |
| | 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 | 3/22/01 | 5,600 | NA | 1,100 | 310 | 13 | 303 | <0.5 | <0.5 | 1.6 | <0.5 | <0.5 |
| | 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 | 3/22/01 | 6,200 | NA | 1,500 | 310 | 360 | 288 | 3.3 | <0.5 | <0.5 | <0.5 | <0.5 |
| | 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 |

Table 2

Summary of Monitoring Well Groundwater Analytical Data
Former Lemoine Sausage Facility
630 29th Avenue
Oakland, California

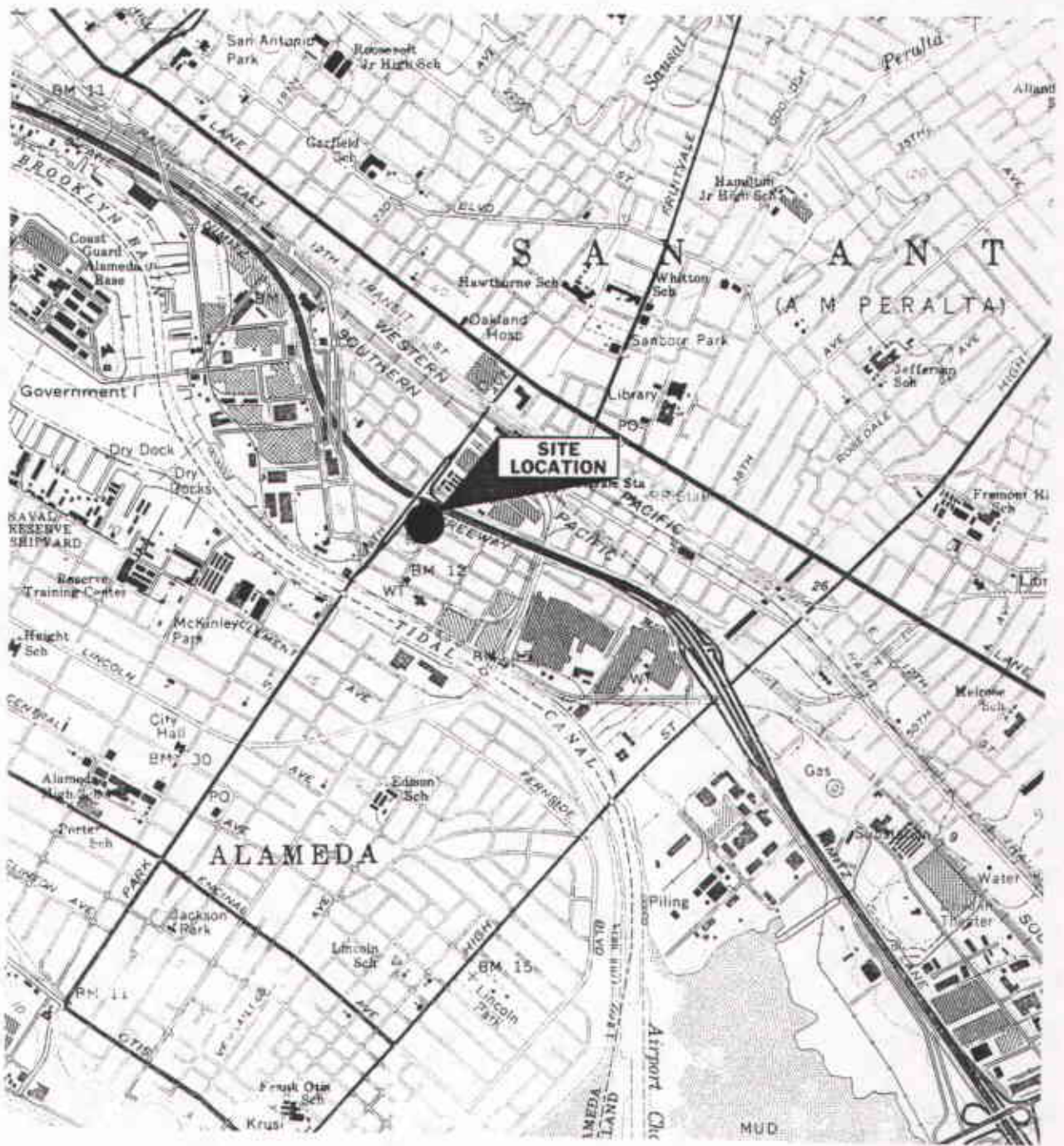
| Sample Location | Date Sampled | TPHG | MTBE | Benzene | Ethyl benzene | Toluene | Total Xylenes | 1,2-DCA | TCE | cis-1,2-DCE | trans-1,2-DCE | VC |
|-----------------|--------------|-------|------|---------|---------------|---------|---------------|--------------------|------|-------------|---------------|------|
| MW-6 | 3/21/01 | 820 | NA | <0.5 | 1.4 | <0.5 | 0.52 | <0.5* ² | <0.5 | <0.5 | <0.5 | <0.5 |
| | 12/19/00 | 320 | NA | <0.5 | <0.5 | <0.5 | <0.5 | <0.5* ¹ | <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 |
| MW-7 | 3/21/01 | 160 | NA | 59 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| | 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 | 3/21/01 | 3,500 | NA | 530 | 21 | <2.5 | <2.5 | <3.6 | 32 | 760 | 39 | 58 |
| | 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 1,1-DCA detected at 1.1 µg/L.

*² 1,1-DCA detected at 0.9 µg/L.



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

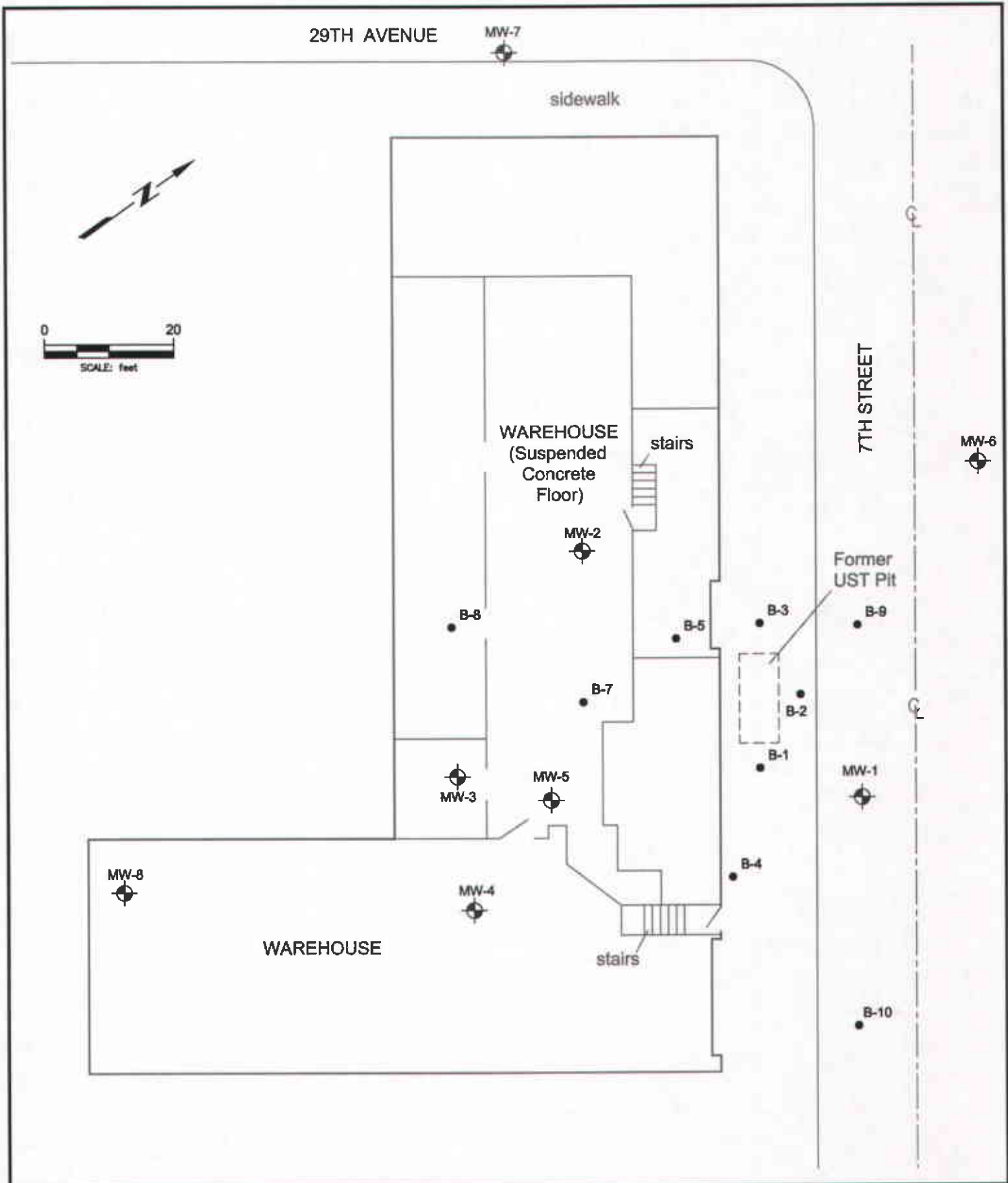
Clayton Project No. 70-97066.00.002

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. 70-97068.00

Figure
2
 9/19/00
 SITEFSRD.DWG

Clayton
 ENVIRONMENTAL
 CONSULTANTS

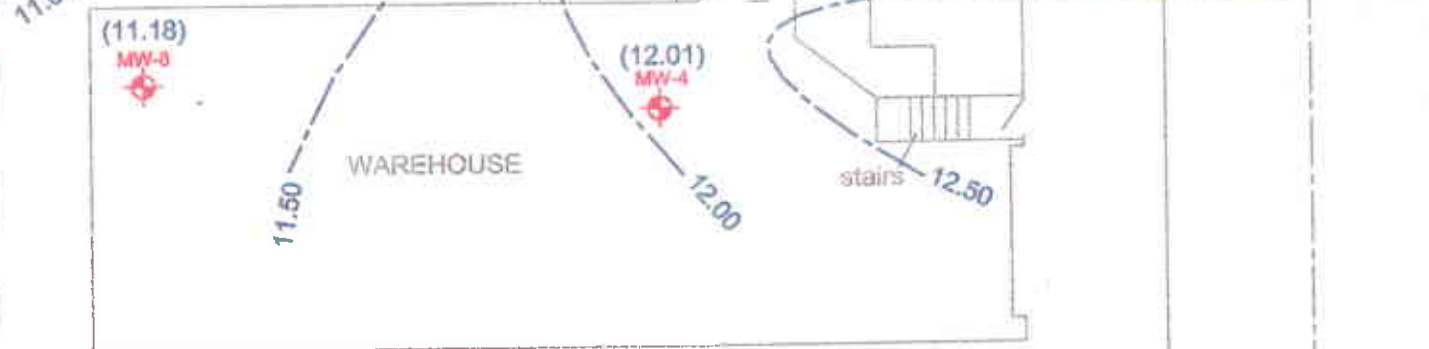
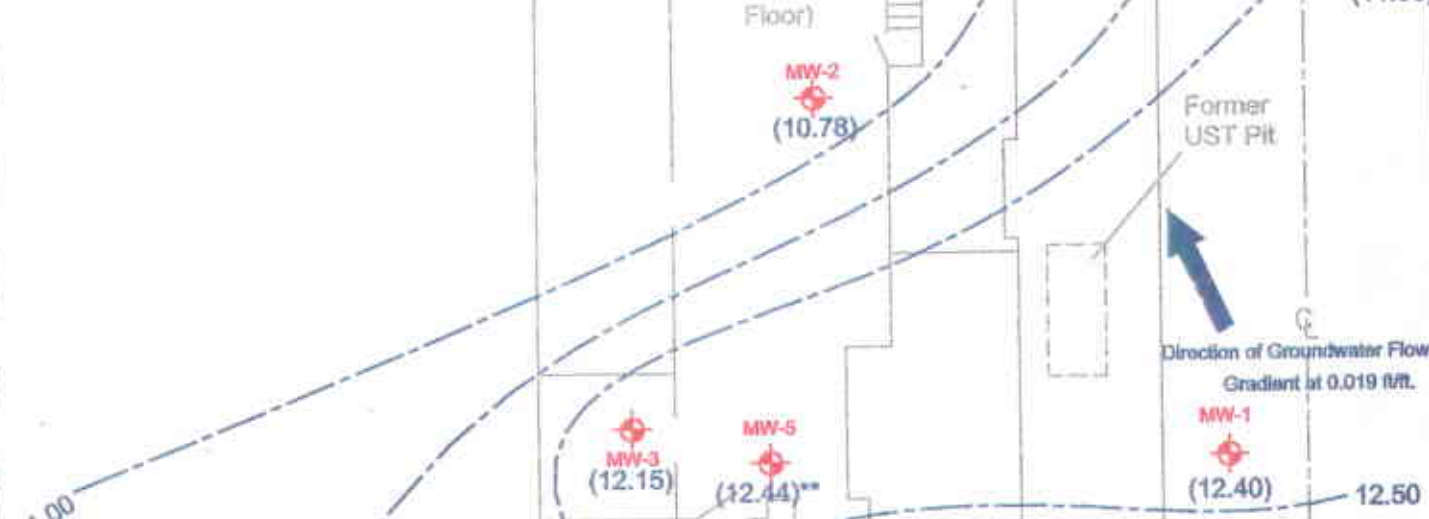
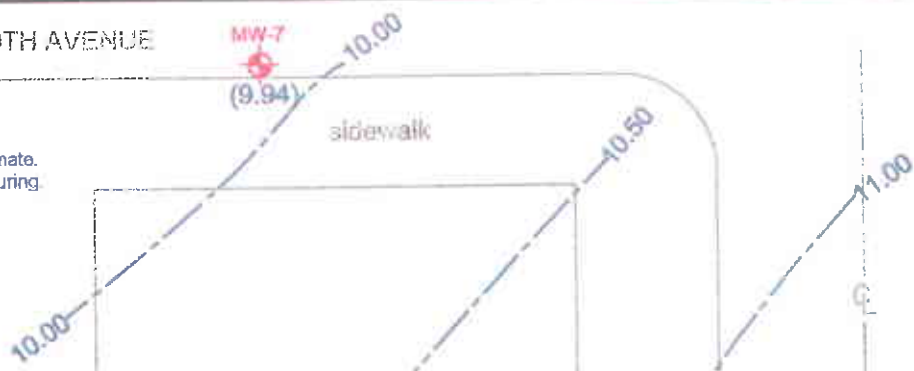
29TH AVENUE

MW-7

(9.94)

sidewalk

Note:
Water table elevation contours are approximate.
** Groundwater elevation not used in contouring.



LEGEND

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

GROUNDWATER ELEVATION CONTOUR MAP
(MARCH 21, 2001)

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

Figure

3

4/13/01
Q1ST_01_DWG

Clayton
ENVIRONMENTAL
CONSULTANTS

29TH AVENUE

MW-7

160
59

sidewalk

Note:
Isoconcentration contours are approximate.



SCALE: feet

WAREHOUSE
(Suspended
Concrete
Floor)

1,000

10,000

10,000

6,200
1,500

1,300
98

Former
UST Pit

21,000
3,200

MW-8

820
<0.5

MW-1

MW-4

5,600
1,100

1,000

WAREHOUSE

stairs

EAST 7TH STREET

LEGEND

- MW-1 Monitoring Well Location
- 34,000 TPH-G Concentration (micrograms per liter)
- 10,000 Benzene Concentration (micrograms per liter)
- 1,000 Isoconcentration Contour (micrograms per liter)

TPH-G
CONCENTRATIONS IN GROUNDWATER
MARCH 2001

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

Figure

4a

1/08/01
Q1ST_01.DWG

Clayton
ENVIRONMENTAL
CONSULTANTS

29TH AVENUE

MW-7

160
59

sidewalk

Note:
Isoconcentration contours are approximate.



SCALE: feet

EAST 7TH STREET

MW-6

820
<0.5

Former
UST Pit

WAREHOUSE
(Suspended
Concrete
Floor)

stairs

MW-2

34,000
10,000

10,000

1,000

6,200
1,500

MW-5

1,300
98

MW-3

MW-1

21,000
3,200

100

MW-8

3,500
930

WAREHOUSE

MW-4

5,600
1,100

stairs

100

1,000

LEGEND

MW-1  Monitoring Well Location

34,000  TPH-G Concentration (micrograms per liter)

10,000  Benzene Concentration (micrograms per liter)

1,000  Isoconcentration Contour (micrograms per liter)

**BENZENE
CONCENTRATIONS IN GROUNDWATER
MARCH 2001**

FORMER LEMOINE SAUSAGE FACTORY
830 29TH AVENUE
OAKLAND, CALIFORNIA
Clayton Project No. 70-97066.00

Figure

4b

1/08/01

Q18T_01.DWG

Clayton
ENVIRONMENTAL
CONSULTANTS

APPENDIX A
FIELD SAMPLING DATA SHEETS

FIELD SAMPLING DATA SHEET

| | | | |
|------------------------|--------------------------------|----------------------|--|
| Job Location: | Former Lemoine Sausage Factory | Job #: | 70-97066 |
| | 630 29th Avenue | Date Purged: | 3-21-01 |
| | Oakland, California | Purge Method: | peristaltic pump |
| Sampling Location: | MW-1 | Date & Time Sampled: | 3/21 - 10:15 |
| Top of Casing: | 16.69 (ft, msl) | Sampling Method: | peristaltic pump |
| Depth to Water: | 4.29 | Sample Type: | TPHG/BTEX / SO10 |
| Groundwater Elevation | 12.40 | Preservatives: | HCl |
| Well Bottom | 7.69 | # of Containers: | 5 |
| Water Column: | 4.71 | Field Tech: | Mike K. |
| Well Casing Volume: | 10471 (WC* 0.01) | Weather Conditions: | overcast - Turned Sunny at purge beginning - 11:30 |
| Casing Volumes Purged: | 4 | | |
| Purge Rate: | 4200 minutes .011 gal/min | | 3/4" dia well |

| Time | Volume Removed (gal) | pH | Specific Conductivity (µmhos/cm) | Redox Potential (mVolts) | Temperature (°F or °C) | Dissolved Oxygen (mg/L) |
|-------|----------------------|------|----------------------------------|--------------------------|------------------------|-------------------------|
| 11:14 | 350 mL | 6.73 | 2.06 | 36 | 17.6 °C | 1.23 |
| 11:20 | 350 | 7.16 | 1.654 | 19 | 17.0 | 1.07 |
| 11:33 | 350 | 7.27 | 1.544 | 12 | 17.2 | 1.02 |
| 11:36 | 300 | 7.31 | 1.482 | 8 | 16.8 | - |
| : | → purged | Dry | | | | |
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Field Notes:

~~Also analyzed by SM 1500 P for [unclear] and EPA method 300.0 for Nitrate and Nitrite~~

FIELD SAMPLING DATA SHEET

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|------------------------|--------------------------------|----------------------|------------------|
| Job Location: | Former Lemoine Sausage Factory | Job #: | 70-97066 |
| | 630 29th Avenue | Date Purged: | 3-23 |
| | Oakland, California | Purge Method: | peristaltic pump |
| Sampling Location: | MW-2 | Date & Time Sampled: | 3-23 9:30 AM |
| Top of Casing: | 20.79 (ft, msl) | Sampling Method: | peristaltic pump |
| Depth to Water: | 10.01 | Sample Type: | TPHG/BTEX / 8010 |
| Groundwater Elevation | 10.78 | Preservatives: | HCl |
| Well Bottom | 0.79 | # of Containers: | 5 |
| Water Column: | 9.99 | Field Tech: | Mike L. |
| Well Casing Volume: | 109.04 (WC* 0.01) | Weather Conditions: | overcast |
| Casing Volumes Purged: | 4 | | |
| Purge Rate: | 201/15 1.0363 gal/min | | 3/4" dia well |

| Time | Volume Removed (gall/ml) | pH | Specific Conductivity (µmhos/cm) | Redox Potential (mVolts) | Temperature (°F or °C) | Dissolved Oxygen (mg/L) |
|------|-----------------------------|------|-------------------------------------|-----------------------------|---------------------------|----------------------------|
| 9:29 | 350 | 6.58 | 9.85 | 34 | 15.9 | 1.38 |
| 9:33 | 350 | 6.61 | 9.95 | 40 | 16.4 | - |
| 9:34 | 350 | 6.61 | 9.99 | 38 | 16.4 | - |
| 9:40 | 350 | 6.63 | 10.04 | 38 | 16.5 | - |
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Field Notes:

FIELD SAMPLING DATA SHEET

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|--|-----------------------------------|
| Job Location: Former Lemoine Sausage Factory | Job #: 70-97066 |
| 630 29th Avenue | Date Purged: 3-22 |
| Oakland, California | Purge Method: peristaltic pump |
| Sampling Location: MW-3 | Date & Time Sampled: 3-22 2:30 pm |
| Top of Casing: 21.1 (ft, msl) | Sampling Method: peristaltic pump |
| Depth to Water: 8.95 | Sample Type: TPHG/BTEX / 8010 |
| Groundwater Elevation 12.15 | Preservatives: HCl |
| Well Bottom 1.10 | # of Containers: 5 |
| Water Column: 11.05 | Field Tech: Mike L. |
| Well Casing Volume: .1105 (WC* 0.01) | Weather Conditions: overcast |
| Casing Volumes Purged: 4 | |
| Purge Rate: .0276 gal/min | 3/4" dia well |

| Time | Volume Removed (gal, ml) | pH | Specific Conductivity (µmhos/cm) | Redox Potential (mVolts) | Temperature (°F or °C) | Dissolved Oxygen (mg/L) |
|------|-----------------------------|------|-------------------------------------|-----------------------------|---------------------------|----------------------------|
| 2:24 | 350 ml | 6.66 | 17.83 | 45 | 16.7 | 0.69 |
| 2:34 | 350 | 6.56 | 14.07 | 39 | 16.3 | - |
| 2:38 | 350 | 6.64 | 11.01 | 32 | 16.2 | - |
| 2:40 | 350 | 6.78 | 10.03 | 27 | 16.2 | |
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Field Notes:

FIELD SAMPLING DATA SHEET

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|------------------------|--------------------------------|----------------------|------------------|
| Job Location: | Former Lemoine Sausage Factory | Job #: | 70-97066 |
| | 630 29th Avenue | Date Purged: | 3-22 |
| | Oakland, California | Purge Method: | peristaltic pump |
| Sampling Location: | MW-4 | Date & Time Sampled: | 3-22 - 3:30 pm |
| Top of Casing: | 17.78 (ft, msl) | Sampling Method: | peristaltic pump |
| Depth to Water: | 5.77 | Sample Type: | TPHG/BTEX / 8010 |
| Groundwater Elevation | 12.01 | Preservatives: | 14CL |
| Well Bottom | 2.78 | # of Containers: | 5 |
| Water Column: | 4.23 | Field Tech: | Milco L. |
| Well Casing Volume: | .0923 (WC* 0.01) | Weather Conditions: | overcast |
| Casing Volumes Purged: | 4 | | |
| Purge Rate: | .03692 gal/min | | 3/4" dia well |

| Time | Volume Removed (gal/ml) | pH | Specific Conductivity (µmhos/cm) | Redox Potential (mVolts) | Temperature (°F or °C) | Dissolved Oxygen (mg/L) |
|------|-------------------------|------|----------------------------------|--------------------------|------------------------|-------------------------|
| 3:33 | 350 | 6.75 | 7.63 | 24 | 15.9 | 0.95 |
| 3:34 | 350 | 6.98 | 4.07 | 16 | 15.6 | - |
| 3:40 | 350 | 7.25 | 2.36 | 1 | 15.4 | - |
| 3:43 | 400 | 7.24 | 2.2 | 7 | 15.3 | - |
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Field Notes:

FIELD SAMPLING DATA SHEET

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| Job Location: Former Lemoine Sausage Factory | Job #: 70-97066 |
| 630 29th Avenue | Date Purged: 3-22 |
| Oakland, California | Purge Method: peristaltic pump |
| Sampling Location: MW-5 | Date & Time Sampled: 3-22 3:00 pm |
| Top of Casing: 21.12 (ft, msl) | Sampling Method: peristaltic pump |
| Depth to Water: 8.68 | Sample Type: TPHG/BTEX / SO10 |
| Groundwater Elevation 12.44 | Preservatives: HCl |
| Well Bottom 6.12 | # of Containers: 5 |
| Water Column: 6.32 | Field Tech: Mike L. |
| Well Casing Volume: .0632 (WC* 0.01) | Weather Conditions: Overcast |
| Casing Volumes Purged: 2.5 | |
| Purge Rate: 0.173 gal/min | 3/4" dia well |

| Time | Volume Removed (gal/min) | pH | Specific Conductivity (µmhos/cm) | Redox Potential (mVolts) | Temperature (°F or °C) | Dissolved Oxygen (mg/L) |
|------|-----------------------------|------------|-------------------------------------|-----------------------------|---------------------------|----------------------------|
| 2:50 | 250 | 7.21 | 3.66 | 3 | 16.1 | 1.42 |
| 2:58 | 300 | 6.73 | 4.58 | 30 | 16.3 | - |
| 3:01 | 100 | pumped dry | | | | |
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Field Notes:

FIELD SAMPLING DATA SHEET

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| Job Location: Former Lemoine Sausage Factory | Job #: 70-97066 |
| 630 29th Avenue | Date Purged: 3-21-01 |
| Oakland, California | Purge Method: Bailor |
| Sampling Location: MW-6 | Date & Time Sampled: 3-21-01 11:30AM |
| Top of Casing: 16.6 (ft. msl) | Sampling Method: Bailor |
| Depth to Water: 4.70 feet | Sample Type: TPHG/BTEX/SO10 |
| Groundwater Elevation 11.40 | Preservatives: HCL |
| Well Bottom -3.40 | # of Containers: 5 |
| Water Column: 15.3 | Field Tech: Mikek. |
| Well Casing Volume: 2.5 (WC*0.16) | Weather Conditions: overcast |
| Casing Volumes Purged: 4 | |
| Purge Rate: .333 gal/min | 2" dia well |

| Time | Volume Removed (gal) | pH | Specific Conductivity (µmhos/cm) | Redox Potential (mVolts) | Temperature (°F or °C) | Dissolved Oxygen (mg/L) |
|-------|----------------------|------|----------------------------------|--------------------------|------------------------|-------------------------|
| 11:20 | | | | | | .38 |
| 11:44 | 0 | 7.33 | 1.805 | 14 | 18.1 C | - |
| 11:58 | 2.5 | 7.43 | 1.827 | 4 | 17.8 | - |
| 12:04 | 2.5 | 7.32 | 1.741 | 10 | 17.5 | - |
| 12:10 | 2.5 | 7.27 | 1.659 | 14 | 18.0 | - |
| 12:15 | 2.5 | 7.19 | 1.724 | 15 | 18.1 | - |
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Field Notes:

FIELD SAMPLING DATA SHEET

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|--|--------------------------------------|
| Job Location: Former Lemoine Sausage Factory | Job #: 70-97066 |
| 630 29th Avenue | Date Purged: 3-21 |
| Oakland, California | Purge Method: <i>Boiler</i> |
| Sampling Location: MW-7 | Date & Time Sampled: 3-21 12:30 pm |
| Top of Casing: 15.47 (ft, msl) | Sampling Method: <i>Boiler</i> |
| Depth to Water: 5.53 | Sample Type: TPHG/BTEX / <i>1810</i> |
| Groundwater Elevation 4.94 | Preservatives: <i>HCL</i> |
| Well Bottom -4.53 | # of Containers: 5 |
| Water Column: 14.47 | Field Tech: <i>Mike L.</i> |
| Well Casing Volume: 2.3 (WC* 0.16) | Weather Conditions: <i>Overcast</i> |
| Casing Volumes Purged: 4 | |
| Purge Rate: 1.4 gal/min | 2" dia well |

| Time | Volume Removed (gal) | pH | Specific Conductivity (µmhos/cm) | Redox Potential (mVolts) | Temperature (°F or °C) | Dissolved Oxygen (mg/L) |
|-------|----------------------|------|----------------------------------|--------------------------|------------------------|-------------------------|
| 12:25 | 0 | 7.46 | 1.254 | 1 | 17.6 | 0.66 |
| 12:31 | 2.3 | 7.47 | 1.296 | 3 | 16.9 | - |
| 12:36 | 2.3 | 7.53 | 1.297 | 2 | 17.0 | - |
| 12:43 | 2.3 | 7.65 | 1.313 | 11 | 17.4 | - |
| 12:48 | 2.3 | 7.51 | 1.263 | 2 | 17.7 | - |
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Field Notes:

~~Also analyzed by SM 4500-P for Coliforms and EPA method 300.0 for Nitrate and Nitrite~~

FIELD SAMPLING DATA SHEET

| | | | |
|------------------------|--------------------------------|----------------------|----------------------|
| Job Location: | Former Lemoine Sausage Factory | Job #: | 70-97066 |
| | 630 29th Avenue | Date Purged: | 3-21 |
| | Oakland, California | Purge Method: | Bailer |
| Sampling Location: | MW-8 | Date & Time Sampled: | 3-21 - 1:00 pm |
| Top of Casing: | 17.58 (ft, msl) | Sampling Method: | Bailer |
| Depth to Water: | 6.40 | Sample Type: | TPHG/BTEX /SO10 |
| Groundwater Elevation | 11.18 | Preservatives: | HCL |
| Well Bottom | -2.42 | # of Containers: | 5 |
| Water Column: | 13.6 | Field Tech: | Mike K. |
| Well Casing Volume: | 2.2 (WC* 0.16) | Weather Conditions: | Overcast - Sunny - L |
| Casing Volumes Purged: | 4 | | 11:30 |
| Purge Rate: | 1382 gal / min. | | 2" dia well |

| Time | Volume Removed (gal) | pH | Specific Conductivity (µmhos/cm) | Redox Potential (mVolts) | Temperature (°F or °C) | Dissolved Oxygen (mg/L) |
|------|----------------------|------|----------------------------------|--------------------------|------------------------|-------------------------|
| 1:00 | 0 | 7.42 | 1.854 | 3 | 15.3 | 0.41 |
| 1:05 | 2.2 | 7.47 | 1.854 | 0 | 14.7 | - |
| 1:10 | 2.2 | 7.41 | 1.803 | 6 | 14.4 | - |
| 1:11 | 2.2 | 7.35 | 1.807 | 6 | 15.4 | - |
| 1:13 | 2.2 | 7.41 | 1.896 | 4 | 19.6 | - |
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Field Notes:

APPENDIX B

LABORATORY ANALYTICAL RESULTS

Curtis & Tompkins, Ltd.
 Analytical Laboratories, Since 1878
 2323 Fifth Street
 Berkeley, CA 94710
 (510)486-0900 V
 (510)486-0532 F

FACSIMILE TRANSMISSION
 FACSIMILE TRANSMISSION
 FACSIMILE TRANSMISSION

TO: Mike Krzeminski
 Clayton Group Services
 Pleasanton, CA

DATE: 4/3/01
 PAGE 1 of 17

FAX #: (925) 426-0106

FROM: Patricia Flynn

SUBJECT: Analytical Results for Login 151036

*** If you would like to receive your reports via email (PDF format), please _____
 _____ contact your project manager for details. _____

This facsimile contains CONFIDENTIAL INFORMATION which may be LEGALLY PRIVILEGED and which is intended only for the use of the addressee(s) named above. If you received THIS facsimile in error, please notify us immediately by telephone at (510) 486-0900. Thank you.



REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT

Date Results Requested: _____

Rush Charges Authorized? Yes No

Phone or Fax Results

Page ____ of ____

For Clayton Use Only
Clayton Lab Project No.

151036

Apr-03-01 05:15pm From-CURTIS & TOMPKINS 5104860532 T-062 P. 02/17 F-434

| | | | | | |
|--|--------------|---|--------------|---|----------------------|
| Name MIKE KOZEMINSKI | | Client Job No. 70-97046 | | Purchase Order No. | |
| Company Clayton | | Dept. | | Name | |
| Mailing Address 16920 Kell Center Parkway Suite 210 | | | | Company | |
| City, State, Zip Pleasanton, CA 94566 | | | | Dept. | |
| Telephone No. 925-426-2670 FAX No. 925-426-0106 | | | | Address | |
| Special instructions and/or specific regulatory requirements: (method, limit of detection, etc) | | | | City, State, Zip | |
| * Explanation of Preservative | | Samples are: (check if applicable) <input type="checkbox"/> Drinking Water <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Wastewater | | ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.) | |
| | | | | <div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); display: inline-block;"> TPH6/BTEX SOLO </div> | |
| | | | | FOR LAB USE ONLY | |
| CLIENT SAMPLE IDENTIFICATION | DATE SAMPLED | TIME SAMPLED | MATRIX MEDIA | AIR VOLUME (specify units) | Number of Containers |
| mw-1 | 3-21 | 9:00 | | | 5 |
| mw-1 | 3-21 | 11 | | | X |
| mw-1 | 3-21 | 11 | | | X |
| mw-1 | 3-21 | 11 | | | X |
| mw-2 | 3-23 | 9:15 | | | 5 |
| mw-2 | 3-23 | 11 | | | X |
| mw-2 | 3-23 | 11 | | | X |
| mw-2 | 3-23 | 11 | | | X |
| mw-2 | 3-23 | 11 | | | X |
| Collected by: MIKE KOZEMINSKI (print) | | Collector's Signature: <i>Mike Kozeminski</i> | | Received by: <i>[Signature]</i> | |
| Relinquished by: MIKE KOZEMINSKI | | Date/Time: 3/23 10:15 | | Date/Time: 3/23 10:15 | |
| Relinquished by: | | Date/Time: | | Date/Time: | |
| Method of Shipment: | | Received at Lab by: | | Date/Time: | |
| Authorized by: <i>[Signature]</i> Date: 3-23-01 | | Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain) | | | |

Please return completed form and samples to one of the Clayton Group Services, Inc. Labs listed below:

| | | |
|--|---|--|
| Detroit Regional Lab 22345 Roethel Drive Novi, MI 48375 (800) 808-5887 (248) 344-1770 FAX (248) 344-2855 | Atlanta Regional Lab 3390 Chastain Meadows Parkway, Suite 300 Kennesaw, GA 30144 (800) 252-8919 (770) 499-7600 FAX (770) 423-4990 | Seattle Regional Lab 4636 E. Marginal Way S., Suite 215 Seattle, WA 98134 (800) 568-7765 (206) 783-7364 FAX (206) 763-4188 |
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1/00 20K



REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT

Date Results Requested: _____

Rush Charges Authorized? Yes No

Phone or Fax Results

Page _____ of _____

For Clayton Use Only
Clayton Lab Project No.

151036

Apr-03-01 05:16pm From-CURTIS & TOMPKINS 5104860592 T-082 P 03/17 F-434

| | | | | | | | | | | | | |
|---|--|---|--------------|---|----------------------------|--|------------------|--|--|--|--|--|
| Name MIKE KRZEMINSKI | | Client Job No. 70-97066 | | Purchase Order No. | | | | | | | | |
| Company Clayton | | Dept. | | Name | | | | | | | | |
| Mailing Address 6420 Kell Center Parkway Suite 210 | | City, State, Zip Pleasanton CA 94566 | | Company | | | | | | | | |
| Telephone No. 925-426-2100 | | FAX No. 925-426-0100 | | Address | | | | | | | | |
| Special Instructions and/or specific regulatory requirements: (method, limit of detection, etc.) | | Samples are: (check if applicable) | | ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.) | | | | | | | | |
| * Explanation of Preservative | | <input type="checkbox"/> Drinking Water <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Wastewater | | | | | | | | | | |
| CLIENT SAMPLE IDENTIFICATION | | DATE SAMPLED | TIME SAMPLED | MATRIX/MEDIA | AIR VOLUME (specify units) | Number of Containers 5 X X 5 X X | FOR LAB USE ONLY | | | | | |
| mw-3 | | 3-22 | 10:00 | | | | | | | | | |
| mw-3 | | 11 | 11 | | | | | | | | | |
| mw-3 | | 11 | 11 | | | | | | | | | |
| mw-3 | | 11 | 11 | | | | | | | | | |
| mw-3 | | 11 | 11 | | | | | | | | | |
| mw-4 | | 11 | 10:30 | | | | | | | | | |
| mw-4 | | 11 | 11 | | | | | | | | | |
| mw-4 | | 11 | 11 | | | | | | | | | |
| mw-4 | | 11 | 11 | | | | | | | | | |
| Collected by: MIKE KRZEMINSKI (print) | | Collector's Signature: <i>Mike Krzeminski</i> | | Date/Time 3/23 10:15 | | | | | | | | |
| Relinquished by: MIKE KRZEMINSKI | | Date/Time 3/23 10:15 | | Received by: <i>[Signature]</i> | | | | | | | | |
| Relinquished by: | | Date/Time | | Received by: | | | | | | | | |
| Method of Shipment: | | Received at Lab by: | | Date/Time | | | | | | | | |
| Authorized by: _____ Date _____ | | Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain) | | | | | | | | | | |

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

- | | | |
|--|---|--|
| Detroit Regional Lab 22845 Rosthal Drive Novi, MI 48375 (800) 808-5887 (248) 344-1770 FAX (248) 344-2656 | Atlanta Regional Lab 3380 Chastain Meadows Parkway, Suite 300 Kennesaw, GA 30144 (800) 252-9818 (770) 498-7500 FAX (770) 423-4990 | Seattle Regional Lab 4538 E. Marginal Way S., Suite 215 Seattle, WA 98134 (800) 566-7755 (206) 763-7364 FAX (206) 763-4188 |
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REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT

Date Results Requested: _____
 Rush Charges Authorized? Yes No
 Phone or Fax Results

Page ____ of ____
 For Clayton Use Only
 Clayton Lab Project No
151036

| | | |
|--|--------------------------------|--------------------|
| Name MIKE KRZEMINSKI | Client Job No. 70-97064 | Purchase Order No. |
| Company Clayton | Dept. | Name |
| Mailing Address 16410 Koll Center Parkway Suite 216 | | Company |
| City, State, Zip Pleasanton, CA 94566 | | Address |
| Telephone No. 925-426-2070 | FAX No. 925-426-0100 | City, State, Zip |

Special instructions and/or specific regulatory requirements: (method, limit of detection, etc.)

Samples are: (check if applicable)
 Drinking Water
 Groundwater
 Wastewater

* Explanation of Preservative

ANALYSIS REQUESTED
 (Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.)

| | | | | | | | | | |
|---------------------|--|--|--|--|--|--|--|--|--|
| TPH6 / BTEX 6010 | | | | | | | | | |
| | | | | | | | | | |

| CLIENT SAMPLE IDENTIFICATION | DATE SAMPLED | TIME SAMPLED | MATRIX/MEDIA | AIR VOLUME (specify units) | Number of Containers | ANALYSIS REQUESTED | | | | | | | | | | FOR LAB USE ONLY | | | |
|------------------------------|--------------|--------------|--------------|----------------------------|----------------------|--------------------|---|--|--|--|--|--|--|--|--|------------------|--|--|--|
| MW-5 | 3-22 | 11:00 | | | 5 | X | X | | | | | | | | | | | | |
| MW-5 | 11 | 11 | | | | | | | | | | | | | | | | | |
| MW-5 | 11 | 11 | | | | | | | | | | | | | | | | | |
| MW-5 | 11 | 11 | | | | | | | | | | | | | | | | | |
| MW-5 | 11 | 11 | | | | | | | | | | | | | | | | | |
| MW-6 | 3-21 | 4:15 | | | 5 | X | X | | | | | | | | | | | | |
| MW-6 | 11 | 11 | | | | | | | | | | | | | | | | | |
| MW-6 | 11 | 11 | | | | | | | | | | | | | | | | | |
| MW-6 | 11 | 11 | | | | | | | | | | | | | | | | | |

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|--|--|
| Collected by: Mike Krzeminski (print) | Collector's Signature: <i>Mike Krzeminski</i> |
| Relinquished by: Mike Krzeminski | Date/Time: 3/23 10:15 |
| Relinquished by: | Date/Time: |
| Method of Shipment: | Date/Time: |
| Authorized by: _____ Date: _____ | Received by: <i>[Signature]</i> Date/Time: 3/23/01 10:15 |
| (Client Signature MUST Accompany Request) | Received by: _____ Date/Time: _____ |
| | Received at Lab by: _____ Date/Time: _____ |
| | Sample Condition Upon Receipt <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain) |

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

| | | |
|---|---|--|
| Detroit Regional Lab 22345 Rosethel Drive Novi, MI 48375 (800) 808-6887 (248) 344-1770 FAX (248) 344-9655 | Atlanta Regional Lab 3380 Chastain Meadows Parkway, Suite 300 Kennesaw, GA 30144 (800) 252-9918 (770) 486-7600 FAX (770) 423-4990 | Seattle Regional Lab 4636 E. Marginal Way S., Suite 215 Seattle, WA 98134 (800) 508-7755 (206) 793-7364 FAX (206) 763-4189 |
|---|---|--|

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1/00 20K

Apr-03-01 05:16pm From-CURTIS & TOMPKINS 5104960592 T-062 P. 04/17 F-434



REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT

Date Results Requested: _____

Rush Charges Authorized? Yes No

Phone or Fax Results

Page _____ of _____

For Clayton Use Only
Clayton Lab Project No.

151036

| | | |
|---|--------------------------------|---------------------------|
| Name Mike Krzeminski | Client Job No. 70-97064 | Purchase Order No. |
| Company Clayton | Dept. | Name |
| Mailing Address 6420 Koll Center Parkway Suite 210 | | Company |
| City, State, Zip Pleasanton, CA 94566 | | Address |
| Telephone No. 925-466-8670 | FAX No. 925-466-0106 | City, State, Zip |

Special instructions and/or specific regulatory requirements:
(method, limit of detection, etc.)

*** Explanation of Preservative**

ANALYSIS REQUESTED
(Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.)

TPH-4/ATEX
SOLO

| CLIENT SAMPLE IDENTIFICATION | DATE SAMPLED | TIME SAMPLED | MATRIX/MEDIA | AIR VOLUME (specify units) | Number of Containers | ANALYSIS REQUESTED | | | | | | | | | | FOR LAB USE ONLY | | | |
|------------------------------|--------------|--------------|--------------|----------------------------|----------------------|--------------------|---|---|---|---|---|---|---|---|----|------------------|----|----|--|
| | | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | 11 | 12 | |
| MW-7 | 3-21 | 4:20 | | | 5 | X | X | | | | | | | | | | | | |
| MW-7 | " | " | | | | | | | | | | | | | | | | | |
| MW-7 | " | " | | | | | | | | | | | | | | | | | |
| MW-7 | " | " | | | | | | | | | | | | | | | | | |
| MW-7 | " | " | | | | | | | | | | | | | | | | | |
| MW-8 | " | 4:30 | | | 5 | X | X | | | | | | | | | | | | |
| MW-8 | " | " | | | | | | | | | | | | | | | | | |
| MW-8 | " | " | | | | | | | | | | | | | | | | | |
| MW-8 | " | " | | | | | | | | | | | | | | | | | |
| MW-8 | " | " | | | | | | | | | | | | | | | | | |

| | |
|--|--|
| Collected by: Mike Krzeminski (print) | Collector's Signature: <i>Mike Krzeminski</i> |
| Relinquished by: Mike Krzeminski | Date/Time: 3/23/01 10:15 |
| Relinquished by: | Date/Time: |
| Method of Shipment: | Received at Lab by: |
| Authorized by: _____ Date: _____ | Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain) |

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

| | | |
|---|---|---|
| Detroit Regional Lab 22345 Rosethal Drive Novi, MI 48375 (800) 808-5887 (248) 344-1770 FAX (248) 344-2856 | Atlanta Regional Lab 3380 Chastain Meadows Parkway, Suite 300 Kennesaw, GA 30144 (800) 252-9919 (770) 429-7600 FAX (770) 423-4990 | Seattle Regional Lab 4536 E. Marginal Way S, Suite 215 Seattle, WA 98124 (800) 568-7755 (206) 763-7364 FAX (206) 763-4188 |
|---|---|---|

DISTRIBUTION:
 White = Clayton Laboratory
 Yellow = Clayton Accounting
 Pink = Client Copy

1/00 20K

Apr-03-01 05:16pm From-CURTIS & TOMPKINS 5104860592 T-062 P.05/17 F-434



Curtis & Tompkins, Ltd

Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---------|------------------------|-----------|----------|
| Lab #: | 151036 | Project#: | STANDARD |
| Client: | Clayton Group Services | Prep: | EPA 5030 |
| Matrix: | Water | Received: | 03/23/01 |
| Units: | ug/L | | |

| | | | |
|-----------|------------|-----------|----------|
| Field ID: | MW-1 | Batch#: | 62552 |
| Type: | SAMPLE | Sampled: | 03/21/01 |
| Lab ID: | 151036-001 | Analyzed: | 03/29/01 |

| Analyte | Result | RL | Diln Fac | Analysis |
|-----------------|--------|-----|----------|-----------|
| Gasoline C7-C12 | 21,000 | 500 | 10.00 | EPA 8015M |
| Benzene | 3,200 | 10 | 20.00 | EPA 8021B |
| Toluene | 1,700 | 10 | 20.00 | EPA 8021B |
| Ethylbenzene | 290 | 10 | 20.00 | EPA 8021B |
| m,p-Xylenes | 1,500 | 10 | 20.00 | EPA 8021B |
| o-Xylene | 1,100 | 10 | 20.00 | EPA 8021B |

| Surrogate | SPC | Limits | Diln Fac | Analysis |
|--------------------------|-----|--------|----------|-----------|
| Trifluorotoluene (FID) | 109 | 59-135 | 10.00 | EPA 8015M |
| Bromofluorobenzene (FID) | 98 | 60-140 | 10.00 | EPA 8015M |
| Trifluorotoluene (PID) | 108 | 56-142 | 20.00 | EPA 8021B |
| Bromofluorobenzene (PID) | 101 | 55-149 | 20.00 | EPA 8021B |

| | | | |
|-----------|------------|----------|----------|
| Field ID: | MW-2 | Batch#: | 62552 |
| Type: | SAMPLE | Sampled: | 03/23/01 |
| Lab ID: | 151036-002 | | |

| Analyte | Result | RL | Diln Fac | Analysed | Analysis |
|-----------------|--------|-------|----------|----------|-----------|
| Gasoline C7-C12 | 34,000 | 1,300 | 25.00 | 03/29/01 | EPA 8015M |
| Benzene | 10,000 | 50 | 100.0 | 03/30/01 | EPA 8021B |
| Toluene | 3,200 | 50 | 100.0 | 03/30/01 | EPA 8021B |
| Ethylbenzene | 410 | 50 | 100.0 | 03/30/01 | EPA 8021B |
| m,p-Xylenes | 950 | 50 | 100.0 | 03/30/01 | EPA 8021B |
| o-Xylene | 270 | 50 | 100.0 | 03/30/01 | EPA 8021B |

| Surrogate | SPC | Limits | Diln Fac | Analysed | Analysis |
|--------------------------|-----|--------|----------|----------|-----------|
| Trifluorotoluene (FID) | 108 | 59-135 | 25.00 | 03/29/01 | EPA 8015M |
| Bromofluorobenzene (FID) | 98 | 60-140 | 25.00 | 03/29/01 | EPA 8015M |
| Trifluorotoluene (PID) | 102 | 56-142 | 100.0 | 03/30/01 | EPA 8021B |
| Bromofluorobenzene (PID) | 88 | 55-149 | 100.0 | 03/30/01 | EPA 8021B |

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

Page 1 of 5



Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---------|------------------------|-----------|----------|
| Lab #: | 151036 | Project#: | STANDARD |
| Client: | Clayton Group Services | Prep: | EPA 5030 |
| Matrix: | Water | Received: | 03/23/01 |
| Units: | ug/L | | |

| | | | |
|-----------|------------|-----------|----------|
| Field ID: | MW-3 | Batch#: | 62552 |
| Type: | SAMPLE | Sampled: | 03/22/01 |
| Lab ID: | 151036-003 | Analyzed: | 03/29/01 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL | Analysis |
|-----------------|--------|------|-----------|
| Gasoline C7-C12 | 1,300 | 50 | EPA 8015M |
| Benzene | 98 | 0.50 | EPA 8021B |
| Toluene | 67 | 0.50 | EPA 8021B |
| Ethylbenzene | 51 | 0.50 | EPA 8021B |
| m,p-Xylenes | 81 | 0.50 | EPA 8021B |
| o-Xylene | 23 | 0.50 | EPA 8021B |

| Surrogate | %RBC | Limits | Analysis |
|--------------------------|------|--------|-----------|
| Trifluorotoluene (FID) | 109 | 59-135 | EPA 8015M |
| Bromofluorobenzene (FID) | 99 | 60-140 | EPA 8015M |
| Trifluorotoluene (PID) | 107 | 56-142 | EPA 8021B |
| Bromofluorobenzene (PID) | 102 | 55-149 | EPA 8021B |

| | | | |
|-----------|------------|-----------|----------|
| Field ID: | MW-4 | Batch#: | 62552 |
| Type: | SAMPLE | Sampled: | 03/22/01 |
| Lab ID: | 151036-004 | Analyzed: | 03/29/01 |
| Diln Fac: | 10.00 | | |

| Analyte | Result | RL | Analysis |
|-----------------|--------|-----|-----------|
| Gasoline C7-C12 | 5,600 | 500 | EPA 8015M |
| Benzene | 1,100 | 5.0 | EPA 8021B |
| Toluene | 13 | 5.0 | EPA 8021B |
| Ethylbenzene | 310 | 5.0 | EPA 8021B |
| m,p-Xylenes | 280 | 5.0 | EPA 8021B |
| o-Xylene | 23 | 5.0 | EPA 8021B |

| Surrogate | %RBC | Limits | Analysis |
|--------------------------|------|--------|-----------|
| Trifluorotoluene (FID) | 105 | 59-135 | EPA 8015M |
| Bromofluorobenzene (FID) | 97 | 60-140 | EPA 8015M |
| Trifluorotoluene (PID) | 107 | 56-142 | EPA 8021B |
| Bromofluorobenzene (PID) | 100 | 55-149 | EPA 8021B |

*= Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

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Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---------|------------------------|-----------|----------|
| Lab #: | 151036 | Project#: | STANDARD |
| Client: | Clayton Group Services | Prep: | EPA 5030 |
| Matrix: | Water | Received: | 03/23/01 |
| Units: | ug/L | | |

Field ID: MW-5 Batch#: 62552
 Type: SAMPLE Sampled: 03/22/01
 Lab ID: 151036-005 Analyzed: 03/29/01
 Diln Fac: 10.00

| Analyte | Result | RL | Analysis |
|-----------------|--------|-----|-----------|
| Gasoline C7-C12 | 6.200 | 500 | EPA 8015M |
| Benzene | 1.500 | 5.0 | EPA 8021B |
| Toluene | 360 | 5.0 | EPA 8021B |
| Ethylbenzene | 310 | 5.0 | EPA 8021B |
| m,p-Xylenes | 230 | 5.0 | EPA 8021B |
| o-Xylene | 58 | 5.0 | EPA 8021B |

| Surrogate | SRSC | Limits | Analysis |
|--------------------------|------|--------|-----------|
| Trifluorotoluene (FID) | 104 | 59-135 | EPA 8015M |
| Bromofluorobenzene (FID) | 97 | 60-140 | EPA 8015M |
| Trifluorotoluene (PID) | 108 | 56-142 | EPA 8021B |
| Bromofluorobenzene (PID) | 101 | 55-149 | EPA 8021B |

Field ID: MW-6 Batch#: 62552
 Type: SAMPLE Sampled: 03/21/01
 Lab ID: 151036-006 Analyzed: 03/29/01
 Diln Fac: 1.000

| Analyte | Result | RL | Analysis |
|-----------------|--------|------|-----------|
| Gasoline C7-C12 | 820 | 50 | EPA 8015M |
| Benzene | ND | 0.50 | EPA 8021B |
| Toluene | ND | 0.50 | EPA 8021B |
| Ethylbenzene | 1.4 | 0.50 | EPA 8021B |
| m,p-Xylenes | 0.52 | 0.50 | EPA 8021B |
| o-Xylene | ND | 0.50 | EPA 8021B |

| Surrogate | SRSC | Limits | Analysis |
|--------------------------|------|--------|-----------|
| Trifluorotoluene (FID) | 127 | 59-135 | EPA 8015M |
| Bromofluorobenzene (FID) | 101 | 60-140 | EPA 8015M |
| Trifluorotoluene (PID) | 115 | 56-142 | EPA 8021B |
| Bromofluorobenzene (PID) | 102 | 55-149 | EPA 8021B |

*= Value outside of QC limits; see narrative
 ND= Not Detected
 RL= Reporting Limit
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Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---------|------------------------|-----------|----------|
| Lab #: | 151036 | Project#: | STANDARD |
| Client: | Clayton Group Services | Prep: | EPA 5030 |
| Matrix: | Water | Received: | 03/23/01 |
| Units: | ug/L | | |

| | | | |
|-----------|------------|-----------|----------|
| Field ID: | MW-7 | Batch#: | 62514 |
| Type: | SAMPLE | Sampled: | 03/21/01 |
| Lab ID: | 151036-007 | Analyzed: | 03/29/01 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL | Analysis |
|-----------------|--------|------|-----------|
| Gasoline C7-C12 | 160 | 50 | EPA 8015M |
| Benzene | 59 | 0.50 | EPA 8021B |
| Toluene | ND | 0.50 | EPA 8021B |
| Ethylbenzene | ND | 0.50 | EPA 8021B |
| m,p-Xylenes | ND | 0.50 | EPA 8021B |
| o-Xylene | ND | 0.50 | EPA 8021B |

| Surrogate | SPEC | Limits | Analysis |
|--------------------------|------|--------|-----------|
| Trifluorotoluene (FID) | 103 | 59-135 | EPA 8015M |
| Bromofluorobenzene (FID) | 98 | 60-140 | EPA 8015M |
| Trifluorotoluene (PID) | 103 | 56-142 | EPA 8021B |
| Bromofluorobenzene (PID) | 99 | 55-149 | EPA 8021B |

| | | | |
|-----------|------------|-----------|----------|
| Field ID: | MW-8 | Batch#: | 62552 |
| Type: | SAMPLE | Sampled: | 03/21/01 |
| Lab ID: | 151036-008 | Analyzed: | 03/29/01 |
| Diln Fac: | 5.000 | | |

| Analyte | Result | RL | Analysis |
|-----------------|--------|-----|-----------|
| Gasoline C7-C12 | 3,500 | 250 | EPA 8015M |
| Benzene | 530 | 2.5 | EPA 8021B |
| Toluene | ND | 2.5 | EPA 8021B |
| Ethylbenzene | 21 | 2.5 | EPA 8021B |
| m,p-Xylenes | ND | 2.5 | EPA 8021B |
| o-Xylene | ND | 2.5 | EPA 8021B |

| Surrogate | SPEC | Limits | Analysis |
|--------------------------|-------|--------|-----------|
| Trifluorotoluene (FID) | 138 * | 59-135 | EPA 8015M |
| Bromofluorobenzene (FID) | 98 | 60-140 | EPA 8015M |
| Trifluorotoluene (PID) | 132 | 56-142 | EPA 8021B |
| Bromofluorobenzene (PID) | 101 | 55-149 | EPA 8021B |

* = Value outside of QC limits; see narrative

ND= Not Detected

RL= Reporting Limit

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| Volatile Halocarbons by GC/MS | | | |
|-------------------------------|------------------------|-----------|-----------|
| Lab #: | 151036 | Prep: | EPA 5030 |
| Client: | Clayton Group Services | Analysis: | EPA 8260B |
| Project#: | STANDARD | | |
| Field ID: | MW-1 | Batch#: | 62555 |
| Lab ID: | 151036-001 | Sampled: | 03/21/01 |
| Matrix: | Water | Received: | 03/23/01 |
| Units: | ug/L | Analyzed: | 03/29/01 |
| Diln Fac: | 5.000 | | |

| Compound | Result | RL |
|---------------------------|--------|-----|
| Chloromethane | ND | 5.0 |
| Vinyl Chloride | ND | 2.5 |
| 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 |

| Compound | RL | Method |
|-----------------------|----|--------|
| 1,2-Dichloroethane-d4 | 87 | 78-123 |
| Toluene-d8 | 96 | 80-110 |
| Bromofluorobenzene | 95 | 80-115 |

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



Sample Analysis by GC/MS

| | | | |
|-----------|------------------------|-----------|-----------|
| Lab #: | 151036 | Prep: | EPA 5030 |
| Client: | Clayton Group Services | Analysis: | EPA 8260B |
| Project#: | STANDARD | | |
| Field ID: | MW-2 | Batch#: | 62555 |
| Lab ID: | 151036-002 | Sampled: | 03/23/01 |
| Matrix: | Water | Received: | 03/23/01 |
| Units: | ug/L | Analyzed: | 03/30/01 |
| Diln Fac: | 25.00 | | |

| | | |
|---------------------------|----|-----|
| Chloromethane | ND | 25 |
| Vinyl Chloride | ND | 13 |
| 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 | 14 | 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 | 92 | 78-123 |
| Toluene-d8 | 96 | 80-110 |
| Bromofluorobenzene | 101 | 80-115 |

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



Curtis & Tompkins Ltd

REPORTING LIMITATIONS by GC/MS

| | | | |
|-----------|------------------------|-----------|-----------|
| Lab #: | 151036 | Prep: | EPA 5030 |
| Client: | Clayton Group Services | Analysis: | EPA 8260B |
| Project#: | STANDARD | | |
| Field ID: | MW-3 | Batch#: | 62630 |
| Lab ID: | 151036-003 | Sampled: | 03/22/01 |
| Matrix: | Water | Received: | 03/23/01 |
| Units: | ug/L | Analyzed: | 04/02/01 |
| Diln Fac: | 1.000 | | |

| Compound | Reporting Limit (ug/L) | Reporting Limit (ug/L) |
|---------------------------|------------------------|------------------------|
| Chloromethane | ND | 1.0 |
| Vinyl Chloride | ND | 0.5 |
| 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 | 2.3 | 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 |

| Compound | Reporting Limit (ug/L) | Reporting Limit (ug/L) |
|-----------------------|------------------------|------------------------|
| 1,2-Dichloroethane-d4 | 93 | 78-123 |
| Toluene-d8 | 96 | 80-110 |
| Bromofluorobenzene | 97 | 80-115 |

ND= Not Detected

RL= Reporting Limit

Page 1 of 1



Curtis & Tompkins, Ltd.

Reportable Concentrations BY MS/MS

| | | | |
|-----------|------------------------|-----------|-----------|
| Lab #: | 151036 | Prep: | EPA 5030 |
| Client: | Clayton Group Services | Analysis: | EPA 8260B |
| Project#: | STANDARD | | |
| Field ID: | MW-5 | Batch#: | 62555 |
| Lab ID: | 151036-005 | Sampled: | 03/22/01 |
| Matrix: | Water | Received: | 03/23/01 |
| Units: | ug/L | Analyzed: | 03/29/01 |
| Diln Fac: | 1.000 | | |

| Analyte | Conc | RL |
|---------------------------|------|-----|
| Chloromethane | ND | 1.0 |
| Vinyl Chloride | ND | 0.5 |
| 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 | 3.3 | 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 |

| Analyte | Conc | RL |
|-----------------------|------|--------|
| 1,2-Dichloroethane-d4 | 93 | 78-123 |
| Toluene-d8 | 96 | 80-110 |
| Bromofluorobenzene | 98 | 80-115 |

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



Curtis & Tompkins, Ltd., Analytical Laboratories. Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900
April 13, 2001

Mike Krzeminski
Clayton Group Services
6920 Koll Center Parkway
Suite 216
Pleasanton, CA 94566

Subject: Volatile Organics Misquantitation

Dear Mr. Krzeminski:

As I mentioned earlier this afternoon, 1,1,1-Trichloroethane was misidentified in the initial calibration analyzed on March 21 on one of the GC/MS volatiles instruments. All of the data processed under this calibration has been reprocessed and the report for the following sample has been revised:

| Report# | Project | Samples Received | Samples Affected |
|---------|---------|------------------|------------------|
| 151036 | | 3/23/01 | MW-8 |

For this sample only the TCA result has changed. The TCA result went from 100ug/L to 'Not Detected' The revised report for this samples is attached.

Please accept my sincere apologies for any problems this error may cause for you. Call me at (510)-486-0925 x 110 if you have any questions or need further information.

Sincerely,

Teresa Morrison
Quality Assurance Director



Curtis & Tompkins, Ltd.

| | | | |
|--|------------------------|-----------|-----------|
| Halogenated Hydrocarbons by GC/MS | | | |
| Lab #: | 151036 | Prep: | EPA 5030 |
| Client: | Clayton Group Services | Analysis: | EPA 8260B |
| Project#: | STANDARD | | |
| Field ID: | MW-8 | Batch#: | 62555 |
| Lab ID: | 151036-008 | Sampled: | 03/21/01 |
| Matrix: | Water | Received: | 03/23/01 |
| Units: | ug/L | Analyzed: | 03/30/01 |
| Diln Fac: | 7.143 | | |

| | | |
|---------------------------|-----|-----|
| Chloromethane | ND | 7.1 |
| Vinyl Chloride | 58 | 3.6 |
| 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 | 39 | 3.6 |
| 1,1-Dichloroethane | ND | 3.6 |
| cis-1,2-Dichloroethene | 760 | 3.6 |
| Chloroform | ND | 7.1 |
| 1,1,1-Trichloroethane | ND | 3.6 |
| Carbon Tetrachloride | ND | 3.6 |
| 1,2-Dichloroethane | ND | 3.6 |
| Trichloroethene | 32 | 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 |

| | | |
|-----------------------|-----|--------|
| 1,2-Dichloroethane-d4 | 88 | 78-123 |
| Toluene-d8 | 95 | 80-110 |
| Bromofluorobenzene | 100 | 80-115 |

ND= Not Detected
 RL= Reporting Limit
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 TKM