6920 Koll Center Parkway
Suite 216
Pleasanton, CA 94566
925.426.2600
Fax 925.426.0106

Clayton GROUP SERVICES

#6070

November 16, 2000

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: Additional Monitoring Well Installation and (2) Quarterly Groundwater Monitoring Results for the property at 630 29th Avenue in Oakland, California

Dear Mr. Chan:

Clayton has prepared the accompanying report which documents additional site investigation activities, second and third quarter groundwater monitoring results for property at 630 29th Avenue in Oakland, California. The hydrogeological and analytical results derived from the recent groundwater monitoring events will be incorporated into an upcoming Risk Assessment - Feasibility Study .

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

Sincerely,

Warren B. Chamberlain

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

Jon A. Rosso, P.E.
Director

WBC/wbc

cc: Ms. Donna Proffitt

6920 Koll Center Parkway
Suite 216
Pleasanton, CA 94566
925.426.2600
Fax 925.426.0106

Clayton GROUP SERVICES

Additional Field Investigation, and Groundwater Monitoring for the Former Lemoine Sausage Facility 630 29th Avenue Oakland, California

Clayton Project No. 70-97066.00

November 16, 2000

CONTENTS

CONTENTS

1. INTRODUCTION

Clayton Group Services, Inc., (Clayton) has prepared this report to document additional field investigations and the results from two consecutive groundwater monitoring events for the former Lemoine Sausage Facility located at 630 29th Avenue in Oakland, California (Figure 1). The aim of the recent field work was to further delineate the presence of dissolved petroleum hydrocarbons in shallow groundwater beneath the subject property. Groundwater flow direction and plume configuration data from two consecutive groundwater monitoring events were collected and analyzed.

The additional field investigation were completed during June of 2000, in accordance with the Clayton prepared document, "*Revised Workplan for Additional Investigation, Groundwater Monitoring and a Feasibility Study*", dated July 1999. The two groundwater monitoring events consist of the Third Quarter (September) 2000 Groundwater Monitoring event and the Second Quarter (June) 2000 Groundwater Monitoring event.

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 hydrocarbons sheen was noted on top of groundwater and petroleum hydrocarbon 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.

A limited subsurface investigations was performed in August and September of 1997, and documented in Clayton's, *"Limited Subsurface Investigation, Former Lemoine Sausage Facility, 630 29th Avenue, Oakland, California"* report, dated April 1998. Based on the initial findings, groundwater monitoring wells were installed. The Clayton report, "*Limited Groundwater Investigation, Former Lemoine Sausage Facility, 630 29th Avenue, Oakland, California"* dated March 1999 documented the installation of monitoring wells and presented the results of initial site groundwater conditions. Analytical results obtained from the 1997 and 1999 limited subsurface investigations revealed that dissolved hydrocarbons are present in groundwater beneath the subject building.

3. SITE INVESTIGATION FIELD ACTIVITIES

The following sections describe work procedures related to the installation and development of the recently installed groundwater monitoring wells. Mr. Barney Chan from the ACHS visited the site during field activities. Mr. Mark Mullaney, a Clayton project geologist supervised all field activities.

3.1. PERMITTING AND UTILITY CLEARANCE

Prior to the start of drilling activities, an encroachment permit was obtained from the City of Oakland to work in the city streets, and an excavation permit was obtained from the City of Oakland Engineering Department to install the monitoring well in the city's right-of-way. Also a verbal approval was given from the Alameda County Public Works Agency for the installation of boreholes and construction of monitoring wells. Copies of the approved permits are provided in Appendix A.

Monitoring well locations were marked in the field prior to conducting a utility clearance. Underground Service Alert (USA) were contacted 48-hours prior to field activities and issued ticket number 0140173. Clayton, also contracted Norcal Underground Locating of San Jose, California, to locate and confirm the presence of any underground utilities around planned monitoring well locations. Concrete coring was performed at well locations within paved areas.

3.2. SUBSURFACE EXPLORATION

Three (3) monitoring wells, MW-6 through MW-8, were installed at perimeter locations around the site including the western boundary of the site within 29th Avenue (MW-7), the northern portion of the site within 7th Street (MW-6), and within the southern portion of the site building (MW-8). Monitoring well locations are shown on the Site Plan, Figure 2.

The monitoring wells were strategically positioned around the source areas and along property boundaries to obtain information on the site stratigraphy, groundwater flow characteristics, and groundwater quality beneath the site. The monitoring wells are also used to determine the lateral extent of impacted groundwater and to evaluate whether any chemicals may be migrating onto the subject property from off-site source areas.

Drilling and monitoring well installation was performed by Gregg Drilling, Inc. of Martinez, California. Drilling operations and monitoring well construction were supervised by an experienced field geologist under the direct supervision of a Clayton California Registered Geologist. A truck-mounted drilling rig equipped with 8-inch diameter hollow stem augers was used to advanced all borings (MW-6 through MW-8) to 20 feet below ground surface (bgs).

Soil samples for soil classification and chemical analyses were obtained with a California split-spoon sampler, at five-foot intervals. Samples were retained in three 2-inch diameter by 6-inch long brass tubes lining the inside of the soil sampler. Recovered soil samples were examined for soil classification and described on detailed boring logs in general

conformance with the Unified Soil Classification System. Additional field observations and drilling information were also recorded on the boring logs, that are provided in Appendix B.

Soil samples were field-screened using headspace testing methods to screen for the presence of volatile organic compounds (VOCs). Headspace testing analysis was performed with a portable photoionization detector (PID) meter. The headspace testing procedure was initiated by removing the soils from the sample tubes and placing the samples into labeled, sealed Ziplock™ plastic bags. After sufficient time elapsed for the build-up of VOC vapors inside the plastic bags, the headspace was measured by puncturing the plastic bag with the probe tip of the PID. Qualitative measurements were obtained in the parts per million (ppm) range for total VOCs. The results of headspace testing were recorded on the boring logs (Appendix B).

Based on the field screening of soil, no soil samples were submitted for chemical analysis.

3.3. MONITORING WELL CONSTRUCTION

Monitoring wells (MW-6 through MW-8) were constructed with nominal 2-inch diameter, schedule-40 polyvinyl chloride (PVC) blank casing pipe and slotted pipe connected by flush-threaded joints. The well screen sections are 15-feet in length and machine-slotted with 0.020-inch slots. A PVC bottom cap was placed on the downhole end of each well casing. The well screens were positioned at appropriate depths to effectively monitor groundwater quality within the uppermost water-bearing zone.

Upon placing the well casing within the borehole, the annular space around the well screen was packed with prewashed filter pack material consisting of Lonestar No. 2/12 sand. The filter pack was installed in a manner that prevented bridging and particle size segregation. During its placement, the filter pack was poured continuously at a slow rate into the annulus between the well casing and hollow stem auger. As the filter pack was poured into the annulus, the hollow stem augers were simultaneously removed from the borehole as the height of the filter pack gradually rose upward during sand placement. The top of the filter pack was positioned 1-foot above the top of the well screen.

Above the filter pack, a one-foot thick bentonite pellet seal was placed in order to prevent the neat cement grout from penetration into the filter pack. The seal consists of 3/8 -inch bentonite pellets. The bentonite pellet seal was placed between the well casing and borehole by pouring the pellets slowly into the annulus. The bentonite pellets were allowed to completely hydrate and swell to form an effective seal. Upon placement of the filter pack and bentonite pellet seal, the annulus was filled to about one-foot bgs with a neat cement grout. The mixing ratio of this grout consisted of one (1) 94-pound bag of cement mixed with a minimum of five (5) gallons of water.

A locking PVC cap was placed on top of each well casing to secure the wellhead. All wellheads were completed below grade and housed within a traffic-rated Christy box.

Prior to installing a Christy box and surface seal, a larger cylindrically-shaped hole was excavated around the installed well casing to permit the installation of the box and surface

seal. The top of the box was positioned level with the ground surface. Upon installation of the box, a surface seal consisting of concrete was poured into the excavated area that encompasses the Christy box. Monitoring well construction details are provided on the boring logs in Appendix B.

3.4. WELL DEVELOPMENT

The monitoring wells were developed using a combination of surging and bailing. The wells were developed to remove fine-grained materials inside the filter pack and casing, to stabilize the filter pack around the well screen and to produce representative water samples from the uppermost water-bearing zone. Well development was accomplished by the repeated insertion and withdrawal of a 2-inch diameter vented surge block inside each well casing. Following surging, groundwater was then removed from the well casing using a bailer. Surging and bailing activities continued until ten (10) casing volumes had been removed.

3.5. WELLHEAD SURVEYING

Wellhead locations and elevations were surveyed by a State of California licensed surveyor. Wellhead elevations (top of PVC well casing) were measured with respect to a small V-notch cut into the top of the north side of each PVC casing. The wellhead elevations were referenced and surveyed to a benchmark located as a cut square in the easterly curb return at the northerly corner of Peterson Street and East 7th Street. The benchmark elevation was 19.71 feet above mean sea level (msl). The monitoring well survey data is provided in Appendix B.

3.6. DECONTAMINATION AND WASTE CONTAINERIZATION

Drilling equipment was steam cleaned prior to drilling each boring. Well development, purging, soil and groundwater sampling equipment and the electronic water level probe were cleaned with an Alconox solution and rinsed with water after each sampling event.

Soil cuttings generated during field activities were placed into labeled, Department of Transport (DOT)-approved, 55-gallon drums for temporary storage onsite. The drums were labeled with the project name, project number, boring number, matrix type (i.e., soil), date of generation, and depth interval (for soil cuttings only). Rinsate decontamination water, well development water, and well purge water generated during field activities were placed into 55-gallon drums. Investigation derived waste were manifested and removed from the site by Industrial Waste Utilization, Inc. of San Jose, California. A copy of the non-hazardous waste manifest is presented in Appendix C.

3.7. HEALTH AND SAFETY

During drilling operations, field personnel wore modified Level D health and safety gear, consisting of hardhats, gloves, safety glasses, and steel-toed boots for protection from overhead drilling equipment and potentially impacted soils and groundwater. On-site health and safety issues were the responsibility of the Site Health and Safety Officer, Mr. Mark

Mullaney. A health and safety tailgate meetings were conducted by the Site Health and Safety Officer to inform all field personnel of current on-site health and safety issues.

4. QUARTERLY GROUNDWATER MONITORING

Upon completion of field investigation tasks and additional monitoring well installations, all monitoring wells (MW-1 through MW-8) were sampled to determine groundwater elevations and groundwater quality.

4.1. 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. The groundwater elevation at each monitoring well location was determined by subtracting the measured depth to water from the surveyed wellhead elevation.

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 sites water surface map was produced by contouring groundwater elevation data and using the surveyed monitoring well coordinates. 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.

For the Second Quarter 2000 monitoring event, the groundwater gradient was determined to be 0.021 ft/ft towards the west. For the Third Quarter 2000 monitoring event, the groundwater gradient was determined to be 0.019 ft/ft towards the west.

Historical depth to water and groundwater elevation data are presented on Table 1. The Second Quarter (June) 2000 water table elevation contour map with the groundwater flow direction indicated is presented on Figure 3a. The Third Quarter (September) 2000 water table elevation contour map with the groundwater flow direction indicated is presented on Figure 3b.

4.2. 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 Third Quarter (September) 2000 monitoring event are presented in Appendix D, and the Second Quarter (June) 2000 monitoring event are presented in Appendix E. Groundwater purged from monitoring wells during sampling was stored onsite in sealed, labeled, USDOT approved 55-gallon drums and removed for the site as indicated in the previous chapter.

4.3. 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.

4.4. LABORATORY ANALYSES

Groundwater samples were submitted for laboratory analyses to the State of California certified Chromolab Inc., in Pleasanton, 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 (TPHg)
- USEPA Method 8020 for Aromatic Hydrocarbons (Benzene, Toluene, Ethylbenzene, and total Xylenes [BTEX]), and
- USEPA Method 8010 for Purgeable Halocarbons. HVOCs

Certified analytical data sheets and chain-of-custody documentation from the Third Quarter (September) 2000 groundwater sampling event are presented in Appendix F. Certified analytical data sheets and chain-of-custody documentation from the Second Quarter (June) 2000 groundwater sampling are presented in Appendix G. A summary of historical groundwater monitoring well analytical results are presented in Table 2.

In addition, to characterize site condition for the potential remedial options, 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^-),

Also, select groundwater samples were collected and submitted to Bio-Converters Inc. of Bermuda Dunes, California for an assessment of the microbial nature of site groundwater. Bio-Converter Inc., performed the following analysis:

- Heterotrophic Organisms.

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

5. FINDINGS

The following discussion presents a summary of findings of the recently performed field activities and laboratory testing.

5.1. SITE GEOLOGY

Soil core recovered from this and past investigations, show the site to be underlain with a predominantly fined grained silty clay, with occasional sand and gravel lenses. **The silty soil types beneath the building footprint extend from grade (street level) to approximately three feet below grade. The silty clay is underlain by a moist, clayey sandy silt layer, that** varies in thickness from two to six feet. **Soils within the interval from approximately 3 to** 6 feet **bgs showed green colored staining, but no free hydrocarbon product was observed.**

A stiff, moist silty clay was encountered below the clayey sandy silt layer and extended to the termination depth within most boreholes. The deepest boreholes extend to approximately 20 feet below grade. In borehole MW-7, a silty sandy gravel was encountered at a depth of approximately 18.5 feet below ground surface (bgs).

Soil borings MW-1, B-9, and B-10 were installed within the backfill trench of a sanitary sewer pipeline. Each boring was terminated at 9 feet bgs, the depth at which the concrete sanitary sewer pipe was encountered. The fill below the surface asphalt and base material consisted of a sandy clay with gravel to approximately 8 feet bgs. An approximately one-foot layer of saturated sand occurs from 8 to 9 feet bgs and covers the concrete sanitary sewer pipe.

5.2. HYDROGEOLOGY

Three rounds of groundwater sampling and water table measurements have been performed to-date. From the initial round of groundwater measurements (February 1999), the groundwater gradient was determined to be 0.09 feet/foot (ft/ft) towards the north-northeast. Results from the Second and Third Quarter, 2000 groundwater measurements, indicate that the groundwater gradient had an average gradient of 0.02 ft/ft towards the west. The latest groundwater data indicates that groundwater most commonly flow towards the west (to San Francisco Bay). **However, the subject property may be influenced by water level changes in the sanitary sewer backfill or the nearby Alameda Island canal.**

The first encountered groundwater beneath the site appears to occur under unconfined conditions. The depth to groundwater has been measured to vary from approximately 3.5 feet bgs to approximately 8.5 feet below street level in most wells. A raised floor is present within portions of the building and depth to water measurements are recorded at approximately 15 feet below floor surface.

From field observations during the installation of soil borings and from monitoring well purge measurements, it appears that soil beneath the site is relatively tight and of low permeability. For example, while attempting to collect grab groundwater samples from borings B-7, B-8, and MW-2, no appreciable quantity of groundwater had collected in the

temporarily cased boreholes when left open overnight. Also, many of the monitoring wells can be bailed dry upon removal of approximately two to three well casing volumes of groundwater. Although, during the installation of many boreholes, soil conditions were observed to be moist or saturated, much of the subsurface water appears to be irreducible and bound to soil particles due to capillary forces.

6. CONCLUSION

The present network of groundwater monitoring wells provides adequate coverage to discern groundwater and hydrocarbon plume conditions beneath the subject property. Recent groundwater monitoring indicated that groundwater flows west from the subject property towards the Alameda Island canal (located ¼-mile west of the site). The hydrocarbon plume appears stable in size and configuration with the highest concentration of hydrocarbons being detected beneath the central portion of the building in the vicinity of monitoring wells MW-2 and MW-3. (MW-1 through-5)

The offsite extent of petroleum hydrocarbons were detected in the upgradient well MW-6 in June 2000. At that time the relative concentration of BTEX to TPH-g did not match the characteristic of onsite wells and suggested that compounds found in monitoring well MW-6 may be related to offsite releases. However, the September 2000 analysis of water from monitoring well MW-6 showed much lower BTEX and TPH-g levels. The September analytical results from the down gradient well MW-7 were non-detect for TPH-g and BTEX. The variation in BTEX and TPH-g concentration, seen through out the site, is most probably due to (water) dilution and (soil) absorption occurring within the "smear zone" as groundwater rises and falls.

Chlorinated volatile organic compounds TCE, cis-1,2-DCE, trans-1,2-DCE and VC were detected in monitoring well MW-8. The ratio of TCE to DCE would indicate that the VOCs have undergone significant degradation. Due to the limited onsite distribution of the chlorinated VOCs, the source for these compounds is most probably related to an off-site source area. indicate junk yard location

need to continue to test for HVOCs in MW 8

The bio-assessment data indicates that groundwater beneath the site contains heterotrophic bacteria that are capable of degrading synthetic organic compounds. The dissolved oxygen readings indicate that groundwater is anaerobic (oxygen –poor) and lacking essential inorganic nutrients, such as nitrogen and phosphate compounds. Insitu bacterial activity may potentially be promoted by increasing the concentrations of oxygen, nitrogen, and phosphate compounds within groundwater.

Warren B. Chamberlain, R.G., C.HG., 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	9/22/00	16.69	6.30	10.39
	6/15/00		4.82	11.87
	2/8/99		3.60	13.09
MW-2	9/22/00	20.79	11.49	9.30
	6/15/00		10.46	10.33
	2/8/99		14.20	6.59
MW-3	9/22/00	21.10	15.30	5.80
	6/15/00		10.56	10.54
	2/8/99		7.45	13.65
MW-4	2/8/99	17.78	4.13	13.65
	6/15/00		6.30	11.48
	9/22/00		6.90	10.88
MW-5	9/22/00	21.12	9.99	11.13
	6/15/00		10.36	10.76
	2/8/99		7.62	13.50
MW-6	9/22/00	16.60	6.54	10.06
	6/15/00		5.47	11.13
MW-7	9/22/00	15.47	7.51	7.96
	6/15/00		6.40	9.07
MW-8	9/22/00	17.58	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	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	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	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	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	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	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	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	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:

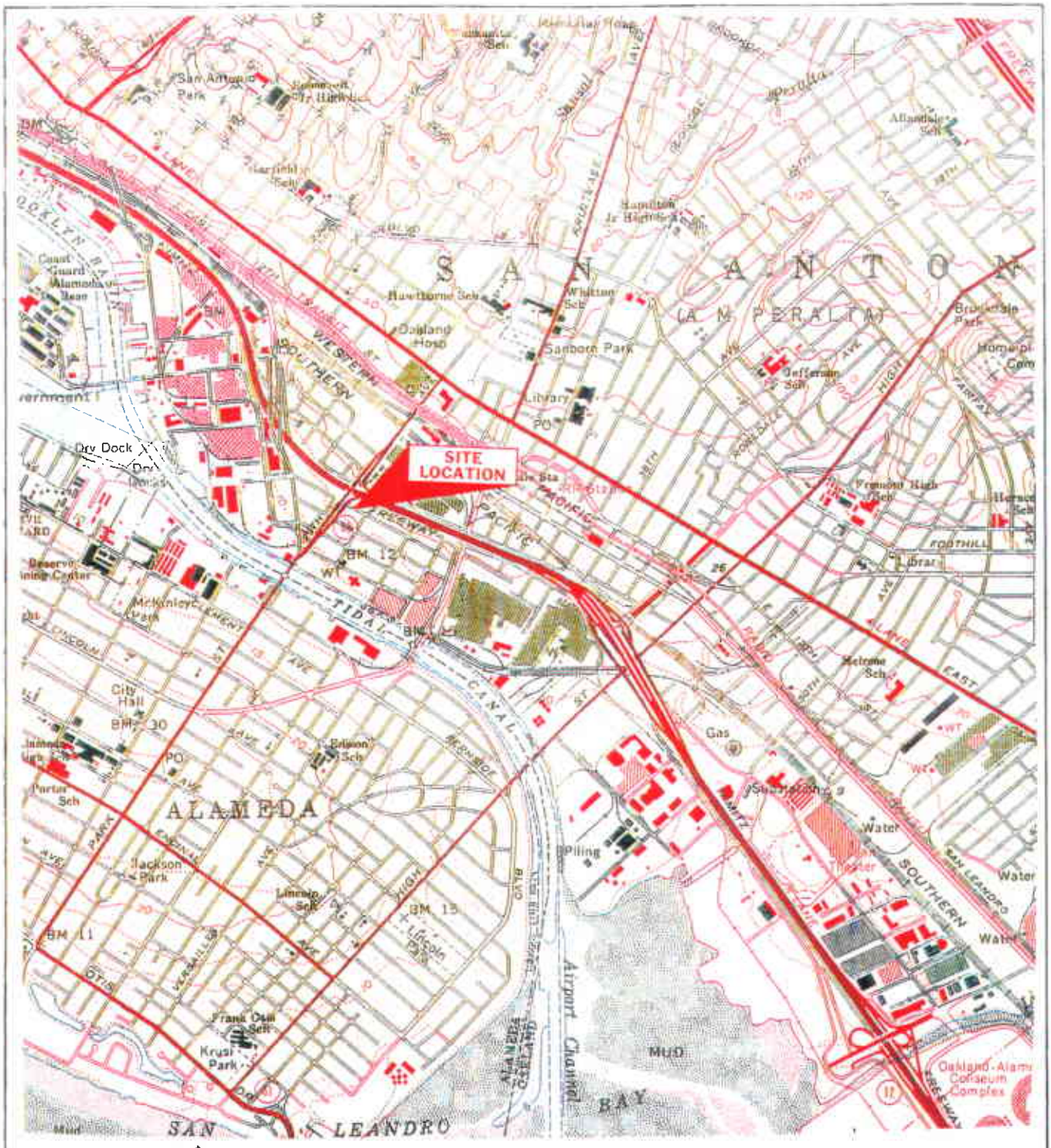
1. All results in micrograms per liter (µg/L).
2. NA = Not Analyzed.
3. 1,2-DCA = 1,2-dichloroethane.
4. TPHG = Total Petroleum Hydrocarbons as Gasoline.
5. MTBE = methyl tert-butyl ether.
6. TCE = Trichlororethene.
7. DCE = Dichlororethene.
8. VC= Vinyl Chloride.

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	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-3	9/22/00	NA	NA	NA	NA	<0.25	<0.25	1.00	NA	NA
MW-6	6/15/00	7.0	-16	24.3	1.4	NA	NA	NA	3.5	0.3
MW-7	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 10^5).
6. NA = Not Analyzed.



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

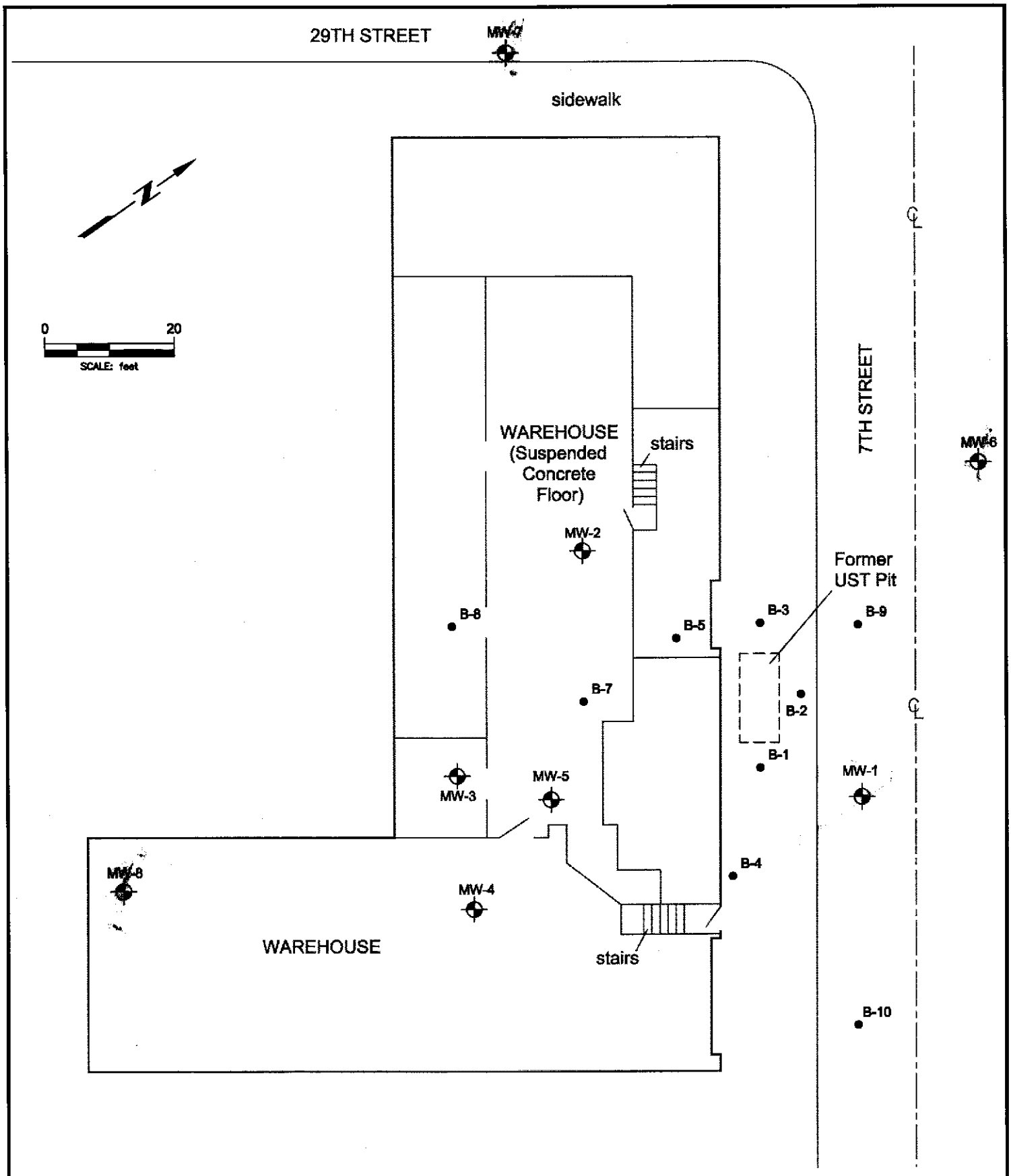
SITE LOCATION

FORMER LEMOINE SAUSAGE FACTORY
630 29th AVENUE
OAKLAND, CALIFORNIA

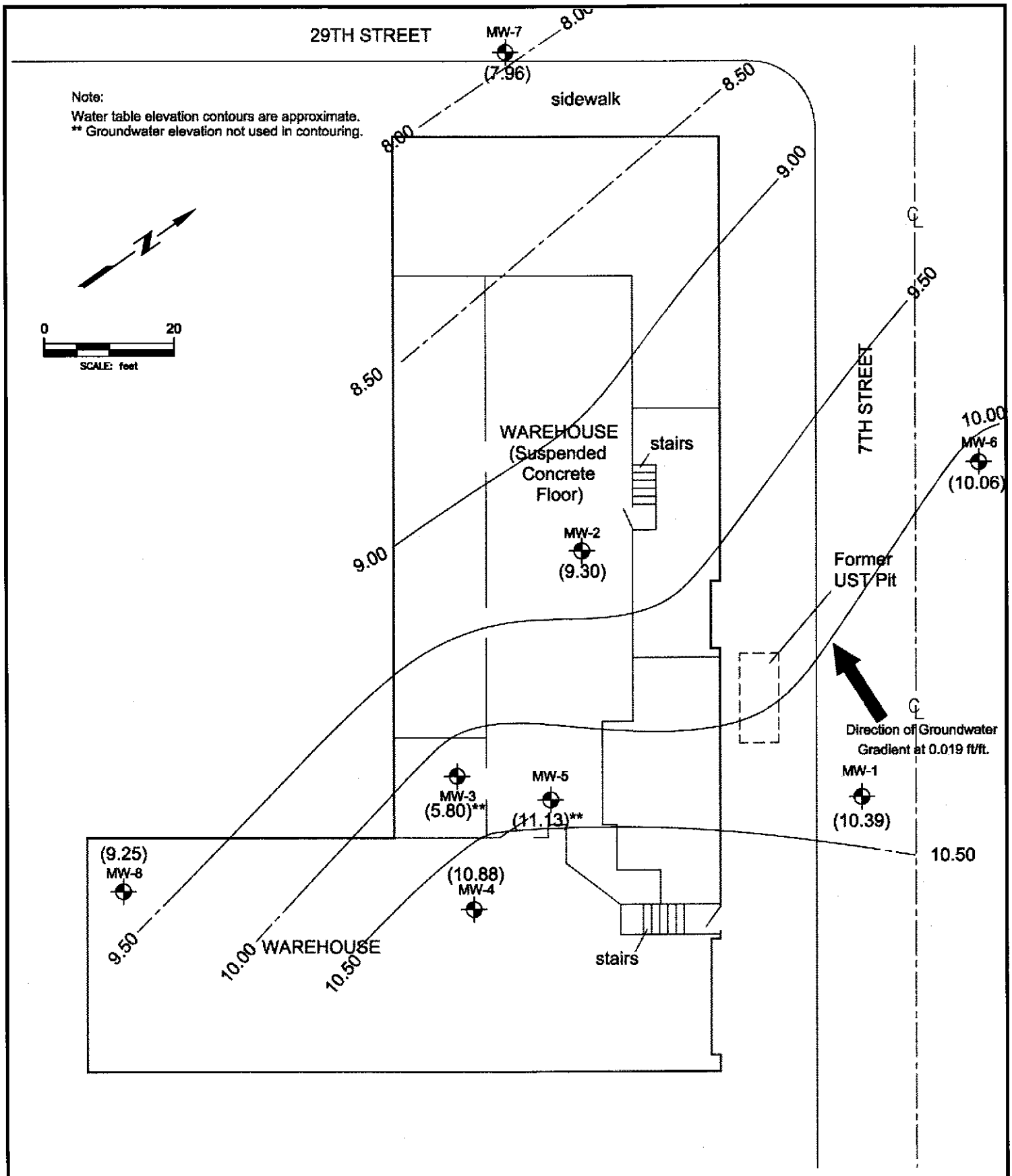
Clayton Project No. 70-97066.00.002

Figure
1
03/20/98
LSF-0398.CDR

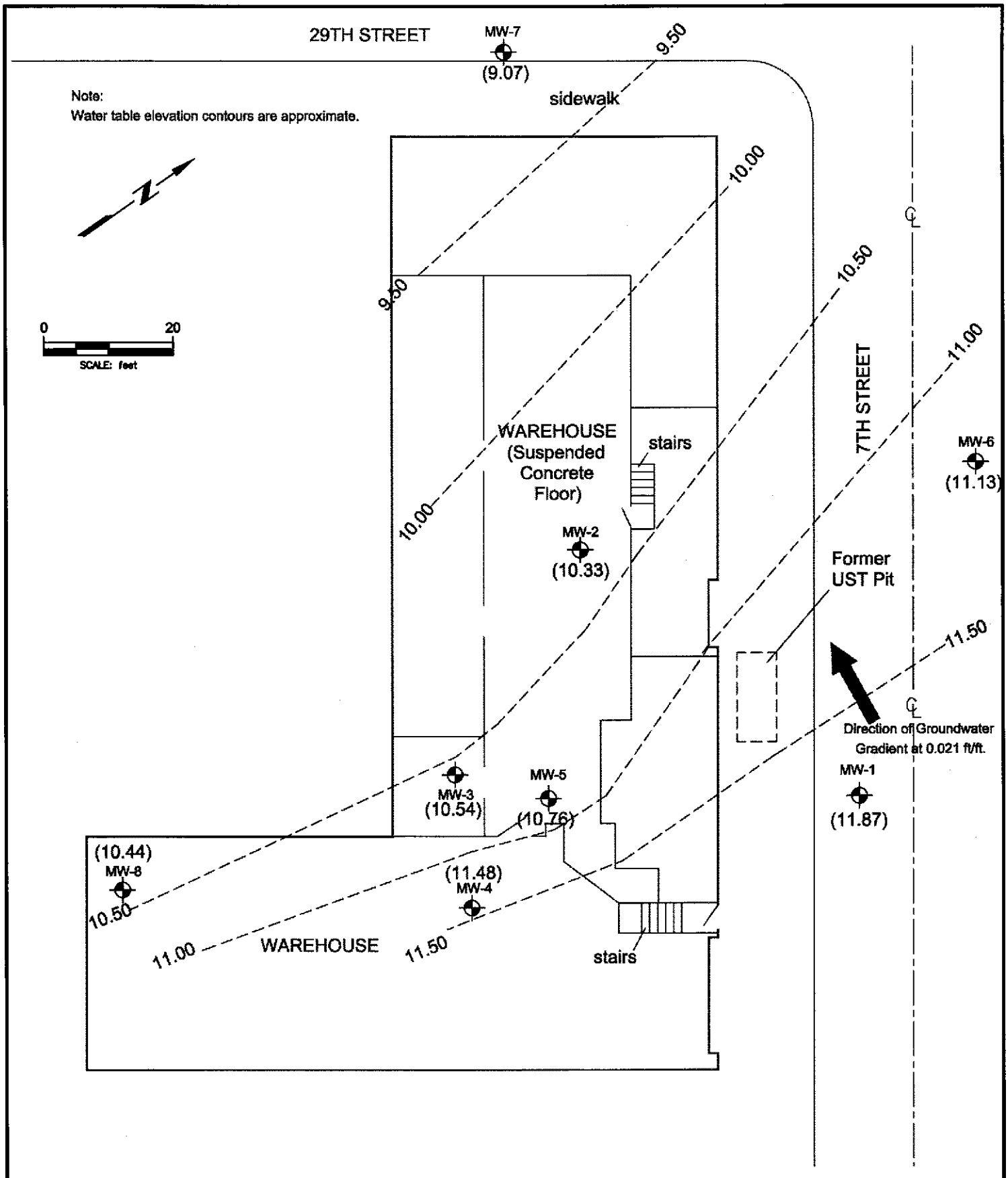
Clayton
ENVIRONMENTAL CONSULTANTS



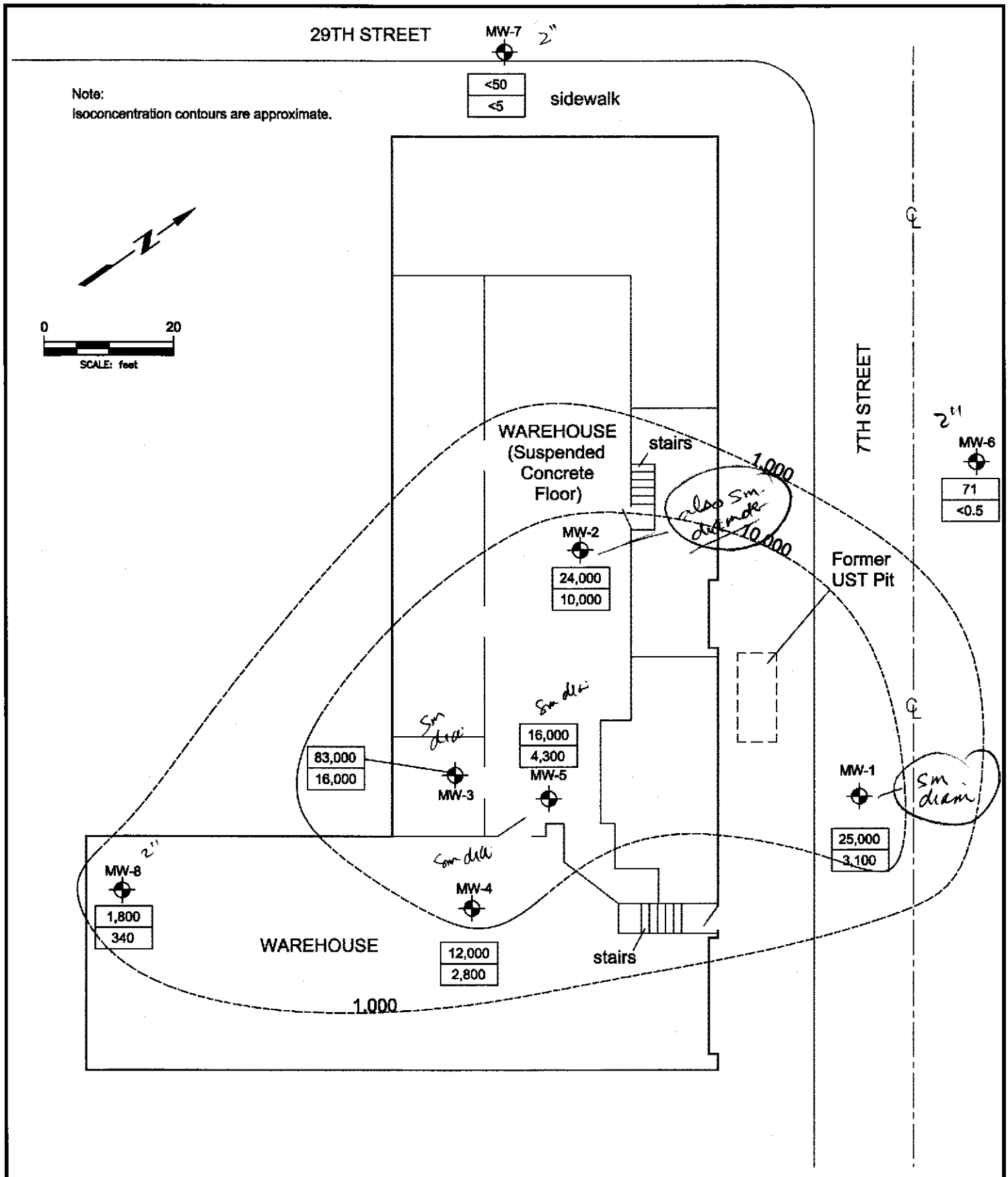
LEGEND	SITE PLAN SHOWING MONITORING WELL AND SOIL BORING LOCATIONS	Figure	Clayton ENVIRONMENTAL CONSULTANTS
MW-1 ⊕ Monitoring Well Location B-1 ● Soil Boring/Temporary Monitoring Well Location	FORMER LEMOINE SAUSAGE FACTORY 630 29TH AVENUE OAKLAND, CALIFORNIA Clayton Project No. 70-97066.00	2 9/19/00 Q2ND_00.DWG	



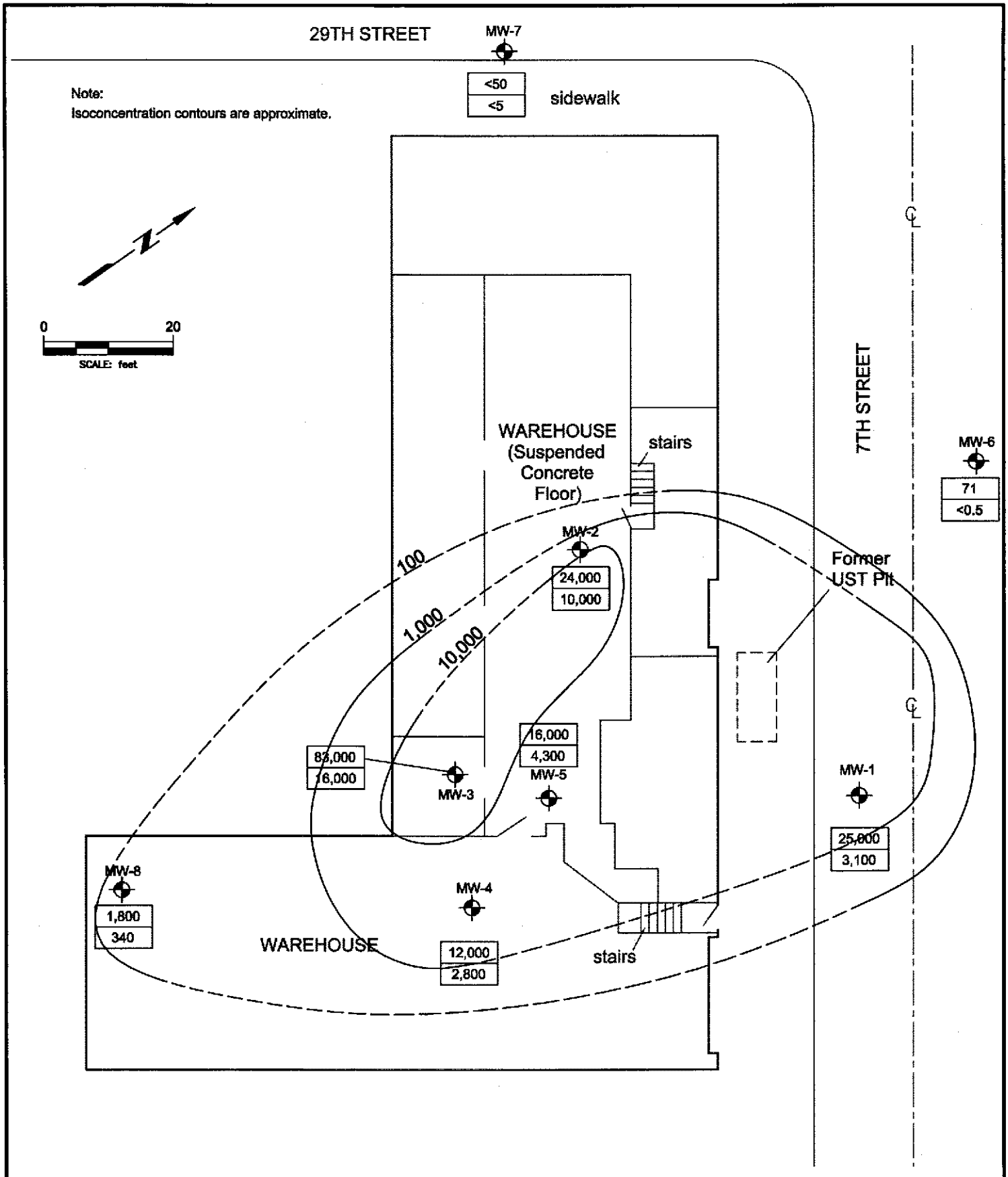
LEGEND	GROUNDWATER ELEVATION CONTOUR MAP (SEPTEMBER 22, 2000)	Figure	Clayton ENVIRONMENTAL CONSULTANTS
MW-1 ⊕ Monitoring Well Location (11.87) Groundwater Elevation in Feet above Mean Sea Level 13.50 —— Groundwater Surface Contour and Elevation	FORMER LEMOINE SAUSAGE FACTORY 630 29TH AVENUE OAKLAND, CALIFORNIA Clayton Project No. 70-97066.00	3a 10/04/00 Q3RD_00.DWG	



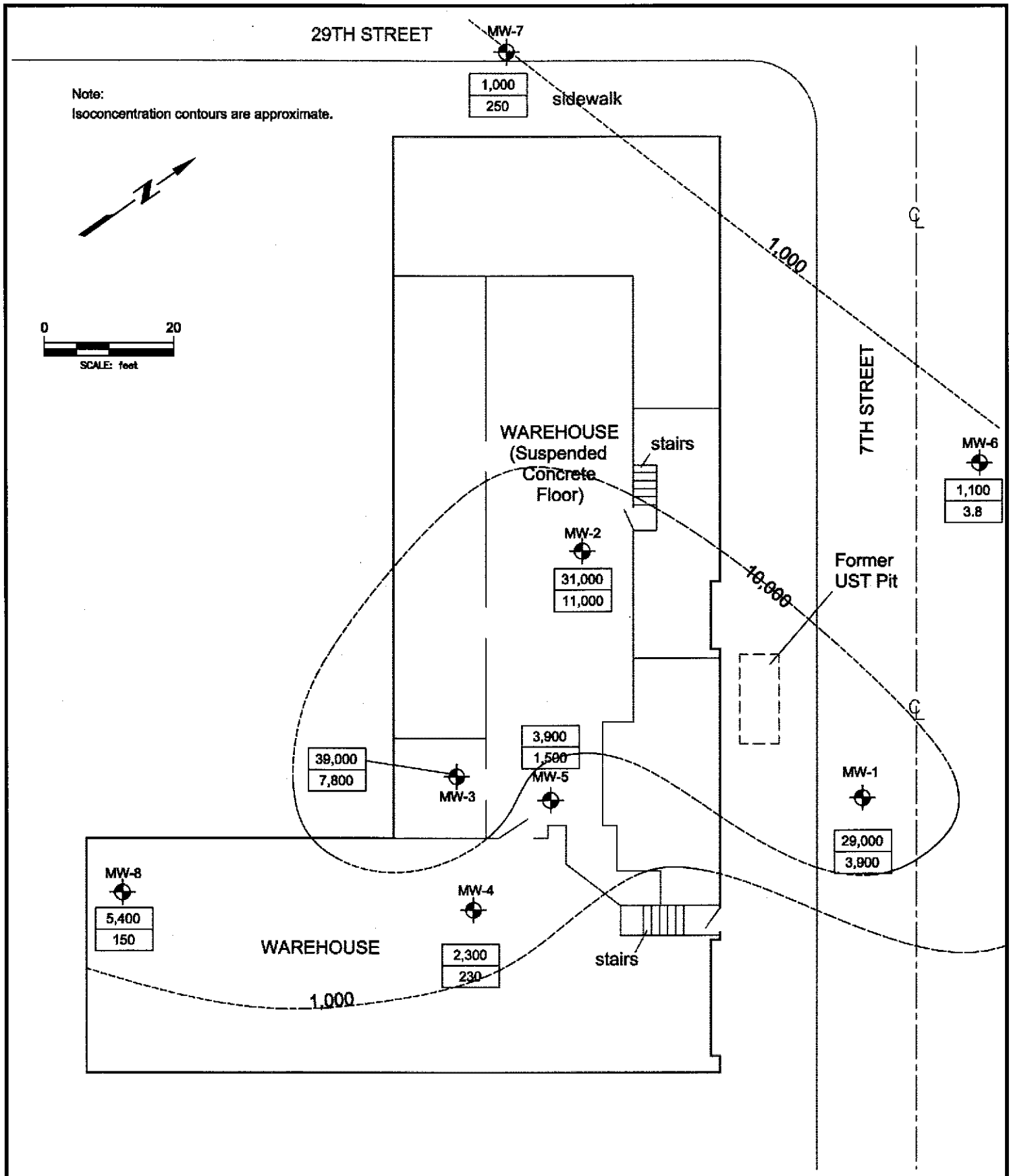
LEGEND	GROUNDWATER ELEVATION CONTOUR MAP (June, 2000)	Figure	Clayton ENVIRONMENTAL CONSULTANTS
MW-1 ⊕ Monitoring Well Location (11.87) Groundwater Elevation in Feet above Mean Sea Level 13.50 ——— Groundwater Surface Contour and Elevation	FORMER LEMOINE SAUSAGE FACTORY 630 29TH AVENUE OAKLAND, CALIFORNIA Clayton Project No. 70-97068.00	3b 9/19/00 Q2ND_00.DWG	



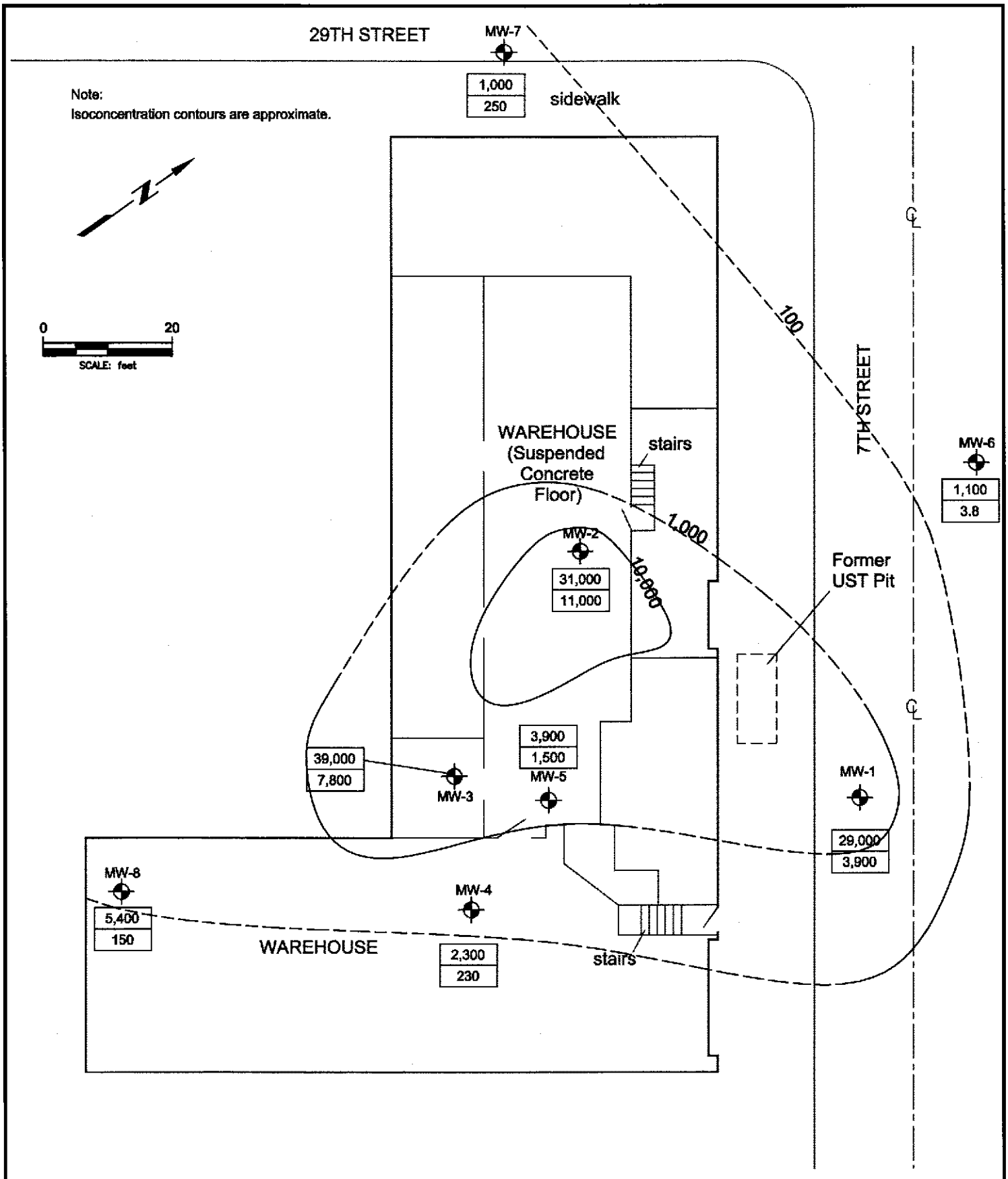
LEGEND			
MW-1	Monitoring Well Location	**TPH-G CONCENTRATIONS IN GROUNDWATER SEPTEMBER 2000**	Figure **4a**
29,000	TPH-G Concentration (micrograms per liter)	FORMER LEMOINE SAUSAGE FACTORY 630 29TH AVENUE OAKLAND, CALIFORNIA	10/04/00 Q3RD_00.DWG
3,900	Benzene Concentration (micrograms per liter)	Clayton Project No. 70-97066.00	Clayton ENVIRONMENTAL CONSULTANTS
1,000	Isoconcentration Contour (micrograms per liter)		



LEGEND		BENZENE CONCENTRATIONS IN GROUNDWATER SEPTEMBER 2000	Figure	Clayton ENVIRONMENTAL CONSULTANTS
MW-1	Monitoring Well Location	FORMER LEMOINE SAUSAGE FACTORY 630 29TH AVENUE OAKLAND, CALIFORNIA Clayton Project No. 70-97066.00	4b	
29,000	TPH-G Concentration (micrograms per liter)		10/04/00 Q3RD_00.DWG	
3,900	Benzene Concentration (micrograms per liter)			
1,000	Isoconcentration Contour (micrograms per liter)			



LEGEND		TPH-G CONCENTRATIONS IN GROUNDWATER JUNE 2000	Figure	Clayton ENVIRONMENTAL CONSULTANTS
MW-1	Monitoring Well Location	FORMER LEMOINE SAUSAGE FACTORY 630 29TH AVENUE OAKLAND, CALIFORNIA Clayton Project No. 70-97066.00	4c	
29,000	TPH-G Concentration (micrograms per liter)		9/19/00 Q2ND_00.DWG	
3,900	Benzene Concentration (micrograms per liter)			
1,000	Isoconcentration Contour (micrograms per liter)			



LEGEND		BENZENE CONCENTRATIONS IN GROUNDWATER JUNE 2000	Figure	Clayton ENVIRONMENTAL CONSULTANTS
MW-1	Monitoring Well Location	FORMER LEMOINE SAUSAGE FACTORY 630 29TH AVENUE OAKLAND, CALIFORNIA Clayton Project No. 70-97066.00	4d	
29,000	TPH-G Concentration (micrograms per liter)		9/19/00 Q2ND_00.DWG	
3,900	Benzene Concentration (micrograms per liter)			
1,000	Isoconcentration Contour (micrograms per liter)			

CITY OF OAKLAND
Office of Planning and Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

PERMIT NUMBER X9900995		SITE ADDRESS/LOCATION 630 29th Ave
APPROX. START DATE	APPROX. END DATE	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number)
CONTRACTOR'S LICENSE # AND CLASS		CITY BUSINESS TAX #

ATTENTION:

1) State law requires that the contractor/owner call *Underground Service Alert (USA)* two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1 (800) 642-2444. UNDERGROUND SERVICE ALERT (USA) #: _____

2) **48 hours prior to starting work, YOU MUST CALL (510) 238-3651 TO SCHEDULE AN INSPECTION.**

OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than $500):

☐ I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two structures more than once during any three-year period. (Sec. 7044 Business and Professions Code).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).

☐ I am exempt under Sec. _____, B&PC for this reason _____.

WORKER'S COMPENSATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

Policy # _____ Company Name _____

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars ($100) or less).

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Title 12 Chapter 12.12 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

Signature of Permittee ☐ Agent for ☐ Contractor ☐ Owner — Date 12-18-99

DATE STREET LAST RESURFACED	SPECIAL PAVING DETAIL REQUIRED? ☐ YES ☐ NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) ☐ YES ☐ NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) ☐ YES ☐ NO
ISSUED BY		DATE ISSUED 12-18-99	

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
951 TURNER COURT, SUITE 300, HAYWARD, CA 94545-2651
PHONE (510) 670-~~5578~~ ANDREAS GODFREY FAX (510) ~~670-5262~~
(510) 670-~~5248~~ ALVIN KAN

-5554

782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 630 29TH AVE
OAKLAND, CA

California Coordinates Source _____ ft. Accuracy = ____ ft
CCN _____ ft. CCE _____ ft.
APN 25-678-1-6

CLIENT
Name CLAYTON GROUP SERVICES
Address 6920 KOLL CTR PKWY #216 Phone 925-426-2656
City PLEASANTON, CA Zip 94566

APPLICANT
Name CLAYTON GROUP SERVICES
Address 6920 KOLL CTR PKWY #216 Fax 925-426-2706
City PLEASANTON, CA 94566 Phone 925-426-2656
Zip 94566

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	☐	General	☐
Water Supply	☐	Contamination	☐
Monitoring	☑	Well Destruction	☐

PROPOSED WATER SUPPLY WELL USE

New Domestic	☐	Replacement Domestic	☐	N/A
Municipal	☐	Irrigation	☐	
Industrial	☐	Other _____	☐	

DRILLING METHOD:

Mud Rotary ☐ Air Rotary ☐ Auger ✓
Cable ☐ Other ☐

DRILLER'S LICENSE NO. 495165

WELL PROJECTS

Drill Hole Diameter 8" in. Maximum
Casing Diameter 2" in. Depth 15 ft.
Surface Seal Depth 5 ft. Number 3

GEOTECHNICAL PROJECTS

Number of Borings _____ Maximum
Hole Diameter _____ in. Depth _____ ft. N/A

ESTIMATED STARTING DATE 3/13/00
ESTIMATED COMPLETION DATE 3/13/00

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68

APPLICANT'S SIGNATURE Martha Mullooly 3/8/00

FOR OFFICE USE

PERMIT NUMBER _____
WELL NUMBER _____
APN _____

PERMIT CONDITIONS

Circled Permit Requirements Apply

A. GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL
Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

E. CATHODIC
Fill hole above anode zone with concrete placed by tremie.

F. WELL DESTRUCTION
See attached

G. SPECIAL CONDITIONS

APPROVED _____ DATE _____

CITY OF OAKLAND

250 FRANK H. OGAWA PLAZA, SUITE 2340 · OAKLAND, CALIFORNIA 94612-2031

Community and Economic Development Agency
Building Services Division

(510) 238-3102
FAX (510) 238-2959
TDD (510) 238-6312

Clayton Group Services
41650 Gardenbrook Road, Suite 155
Novi, MI 48375

April 11, 2000

RE: Minor Encroachment Permit and Agreement for two Monitoring Wells

Dear Sirs/Madams:

You are hereby granted a conditional revocable permit to encroach into the public right of way of 29th Avenue and East 7th Street with two monitoring wells. The location of said encroachment shall be as delineated in Exhibit "A" attached hereto and made a part hereof.

The permittee agrees to comply with and be bound by the conditions for granting a minor encroachment permit attached hereto and made a part hereof.

In order to obtain approval of the encroachment permit, you must assure the work. To assure the work you must sign and notarize the agreement at the end of this letter, and deposit a security as described below.

If the permit applicant is a corporation, the person signing the agreement shall indicate his official capacity and submit a resolution or other document from the corporation certifying his authority. A corporate seal will be accepted in lieu of a document.

The required security may be cash, bond, or instrument of credit and shall be in an amount equal to 100% of the total estimated cost for removal of the encroachment, including restoration of all disturbed areas. The security will not be released by the City until the encroachments have been removed and all disturbed areas have been restored to the satisfaction of the ***Director of Building Services.***

The signed and notarized agreement and the improvement security shall be mailed to Lourdes Barrozo, ***Acting Principal Civil Engineer,*** 250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, California 94612, or delivered in person to the Engineering Information Counter, 2nd Floor.

Any questions concerning this matter shall be directed to Albert Hall at 238-3238.

Very truly yours,

for CALVIN N. WONG
Director of Building Services

Attachments

The undersigned agrees to abide by the conditions for granting this encroachment permit for the installation of two monitoring wells in the public right of way. The required security in the amount of $6000.00 to ensure removal of encroachments and restoration of all disturbed areas is hereby submitted.

The undersigned further agrees that release of the security is contingent upon the removal of the encroachments and restoration of all disturbed areas to the satisfaction of the ***Director of Building Services.***

The permit conditions shall be binding upon the undersigned and his/her successors in interest thereof.

Clayton Group Services

By: _____

Title: AGENT FOR HBI

doc:mwbondag.doc
(rev. 8/5/96)

ALL-PURPOSE ACKNOWLEDGEMENT

State of California
County of Alameda } ss.

On April 17, 2000 (DATE) before me, Joan E. Miller, Notary Public (NOTARY),
personally appeared Marc Mullaney (SIGNER(S))

☒ personally known to me - OR - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signatures(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

JOAN E. MILLER
Comm. # 1095098
NOTARY PUBLIC - CALIFORNIA
Alameda County
My Comm. Expires April 19, 2000

WITNESS my hand and official seal.

Joan E. Miller
NOTARY'S SIGNATURE

OPTIONAL INFORMATION

The information below is not required by law. However, it could prevent fraudulent attachment of this acknowledgement to an unauthorized document.

CAPACITY CLAIMED BY SIGNER (PRINCIPAL)

- ☐ INDIVIDUAL
- ☐ CORPORATE OFFICER

_____
TITLE(S)

- ☐ PARTNER(S)
- ☐ ATTORNEY-IN-FACT
- ☐ TRUSTEE(S)
- ☐ GUARDIAN/CONSERVATOR
- ☐ OTHER: _____

DESCRIPTION OF ATTACHED DOCUMENT

_____
TITLE OR TYPE OF DOCUMENT

_____
NUMBER OF PAGES

_____
DATE OF DOCUMENT

_____
OTHER

SIGNER IS REPRESENTING:
NAME OF PERSON(S) OR ENTITY(IES)

_____

_____

RIGHT THUMBPRINT OF SIGNER

Top of thumbprint here

GREENWICH INSURANCE COMPANY

LICENSE OR PERMIT BOND

Bond Number SEC0000432
Premium $ 100.00

KNOW ALL MEN BY THESE PRESENTS, That we
CLAYTON GROUP SERVICES, INC. of,
41650 GARDENBROOK ROAD, #155, NOVI, MI 48375 hereinafter
referred to as the Principal, and Greenwich Insurance Company, a corporation organized and existing under the laws of the State of CALIFORNIA , and authorized to do business in the State of MICHIGAN , as Surety, are held and firmly bound unto CITY OF OAKLAND, CA hereinafter referred to as Obligee, in the sum of SIX THOUSAND DOLLARS & 00/100 , ($ 6,000.00----) , lawful money of the United States of America, for the payment of which sum, well and truly to be made, we bind ourselves, our executors, administrators, successors and assigns, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas, the Principal has made application for a license or permit to the Obligee for the purposes of, or to exercise the vocation of INSTALLATION OF 2 MONITORING WELLS, ON 29TH AVENUE AND 7TH STREET, OAKLAND, CA WITH THE ABANDONMENT OF 2 MONITORING WELLS AND THE RESTORATION OF THE WELL SITES AS PER CONDITIONS OF APPROVAL FOR MINOR ENCROACHMENT PERMIT

NOW, THEREFORE, if the Principal shall faithfully comply with all ordinances, rules and regulations which have been or may here-after be in force concerning said License or Permit, and shall save and keep harmless the Obligee from all loss or damage which it may sustain or for which it may become liable on account of the issuance of said License or Permit to the Principal, than this obligation shall be void, otherwise, to remain in full force and effect.

X THIS BOND IS OF INDEFINITE TERM EFFECTIVE APRIL 11, 2000

_____ THIS BOND IS OF DEFINITE TERM BEGINNING _____
AND ENDING _____

but may be continued by continuation certificate signed by the Surety. The Surety may at anytime terminate its liability by giving thirty (30) days written notice to the Obligee, and the Surety shall not be liable for any default after such thirty (30) days notice period, except for defaults occurring prior thereto

SIGNED, SEALED AND DATED this 11TH day of APRIL , 20 00 .

CLAYTON GROUP SERVICES, INC.
PRINCIPAL

BY: _____
Mark A Schumann, VP

GREENWICH INSURANCE COMPANY

BY: _____
Charles R. Teter, III
Attorney-in-Fact

GREENWICH INSURANCE COMPANY

G-66-114

POWER OF ATTORNEY

Know all Men by these Presents: that GREENWICH INSURANCE COMPANY, a California corporation (the "Corporation"), with offices at One Greenwich Plaza, Greenwich, Connecticut, 06836, has made, constituted and appointed, and by these presents, does make, constitute and appoint

John K. Webster, Steven J. Kothe, Charles R. Teter III

its true and lawful Attorney(s)-in-Fact, at Exton in the State of Pennsylvania and each of them to have full power to act without the other or others, to make, execute and deliver on its behalf, as surety or co-surety, bonds and undertakings given for any and all purposes, also to execute and deliver on its behalf as aforesaid renewals, extensions, agreements, waivers, consents or stipulations relating to such bonds or undertakings provided, however, that no single bond or undertaking so made, executed and delivered shall obligate the Corporation for any portion of the penal sum thereof in excess of the sum of

One Million Seven Hundred and Forty Five Thousand Dollars ($ 1,745,000).

Such bonds and undertakings for said purposes, when duly executed by said attorney(s)-in-fact, shall be binding upon the Corporation as fully and to the same extent as if signed by the President of the Corporation under its corporate seal attested by its Corporate Secretary.

This appointment is made under and by authority of certain resolutions adopted by the Board of Directors of the Corporation at a meeting duly called and held on the 7th day of September, 1999, a copy of which appears below under the heading entitled "Certificate."

This Power of Attorney is signed and sealed by facsimile under and by authority of the following resolution adopted by the Board of Directors of the Corporation by Unanimous Written Consent on September 18, 1997 and said resolution has not since been revoked, amended or repealed:

RESOLVED, that in granting powers of attorney pursuant to certain resolutions adopted by the Board of Directors of the Corporation at a meeting duly called and held on March 11, 1996, the signature of such directors and officers and the seal of the Corporation may be affixed to any such power of attorney or any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signature or seal shall be valid and binding upon the Corporation in the future with respect to any bond or undertaking to which it is attached.

This Power of Attorney shall expire and all authority hereunder shall terminate without notice at midnight (Standard Time where said attorney(s)-in-fact is authorized to act),

June 30, 20 00

IN WITNESS WHEREOF, the Corporation has caused these presents to be duly signed and its corporate seal to be hereunto affixed and attested this 1st day of January 20 00 at Greenwich, Connecticut.

(Corporate Seal)

GREENWICH INSURANCE COMPANY

ATTEST Suraya K. Kieffer By Mary A. Roddy

Suraya K. Kieffer, Assistant Vice President — Mary A. Roddy, Vice President

STATE OF CONNECTICUT
COUNTY OF FAIRFIELD ss: Greenwich

On the 1st day of January 20 00 before me personally came Mary A. Roddy, Vice President to me known, who being by me duly sworn, did depose and say that (s)he resides in Norwalk, CT that (s)he is a Vice President of GREENWICH INSURANCE COMPANY, the corporation described in and which executed the above instrument; that (s)he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation, and that (s)he signed his(her) name thereto by like order.

SUZANNE M. JOHNSON NOTARY SEAL CONNECTICUT

(Notarial Seal)

Suzanne M. Johnson Notary Public

My Commission Expires 12/31/2004

CERTIFICATE

STATE OF CONNECTICUT
COUNTY OF FAIRFIELD ss: Greenwich

I, Karen M. Manente, the Assistant Secretary of GREENWICH INSURANCE COMPANY, a California corporation (the "Corporation"), hereby certify:

1. That the original power of attorney of which the foregoing is a copy was duly executed on behalf of the Corporation and has not since been revoked, amended or modified; that the undersigned has compared the foregoing copy thereof with the original power of attorney, and that the same is a true and correct copy of the original power of attorney and of the whole thereof;

2. The following are resolutions which were adopted by the Board of Directors of the Corporation by unanimous written consent on November 1, 1999 and said resolutions have not since been revoked, amended or modified:

"RESOLVED, that each of the individuals named below is authorized to make, execute, seal and deliver for and on behalf of the Corporation any and all bonds, undertakings or obligations in surety or co-surety with others:

Laura A. Shanahan, Sheila M. Kelly, Mary A. Roddy, Suraya K. Kieffer and Brian St. Clair

RESOLVED, FURTHER, that each of the individuals named above is authorized to appoint attorneys-in-fact for the purpose of making, executing, sealing and delivering bonds, undertakings or obligations in surety or co-surety for and on behalf of the Corporation."

3. The undersigned further certifies that the above resolutions are true and correct copies of the resolutions as so recorded and of the whole thereof.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal this 11th day of APRIL, 20 00

(Corporate Seal)

Karen M. Manente

Karen M. Manente

APPENDIX B

BORING LOGS, WELL CONSTRUCTION DETAILS AND WELL SURVEYING REPORT

Clayton GROUP SERVICES

LOG OF BORING MW_6

SITE INVESTIGATION
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA

Clayton Project No.: 70-97066.00

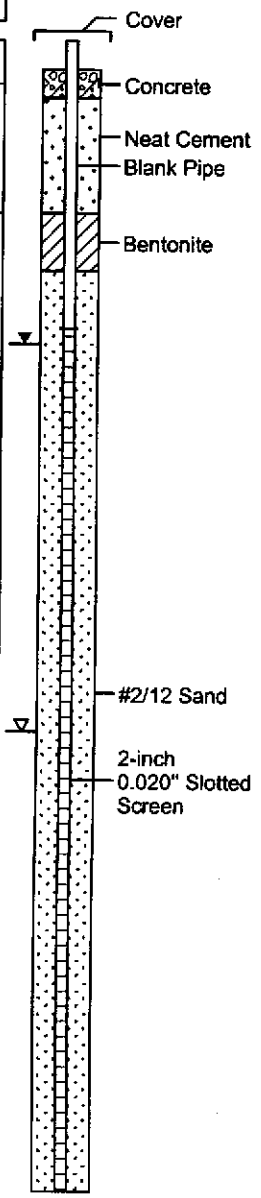
Date Started	: 5-23-00	Driller	: Gregg
Date Completed	: 5-23-00	Logged By	: M. Mulaney
Hole Diameter	: 8 in.	Surface (Rim) Elevation	16.81 ft, msl
Drilling Method	: HSA	Top of Well Casing	: 16.60 ft,msl
Sampling Method	: Cal Split Spoon	Survey By	: V. Chavez

Water Levels
▼ After Completion
▽ During Drilling

USCS Symbol

Well1: MW-6
Elev.: 16.81

Depth in Feet	Surf. Elev. 16.81	PID (ppm)	USCS	GRAPHIC	DESCRIPTION
0	17		CC		Concrete slab
			CL		Silty CLAY (CL) (0,0,40,60), black, damp
5	12	2.7	CL		Sandy Silty CLAY (CL) (0,15,30,55) , green, damp
					Odor from cutting
10	7	1.2			Sandy Silty CLAY (0,25,20,55), moist
					first encountered free water
15	2	0.7	CL		Sandy CLAY (CL) (0,40,0, 60), brown, wet ,
		0.7			Increased grain size to (20,10,30,40)
20					



Notes:

09-18-2000 C:\mtech5\p97066\970066mw6.bor

Clayton GROUP SERVICES

LOG OF BORING MW_7

SITE INVESTIGATION
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA

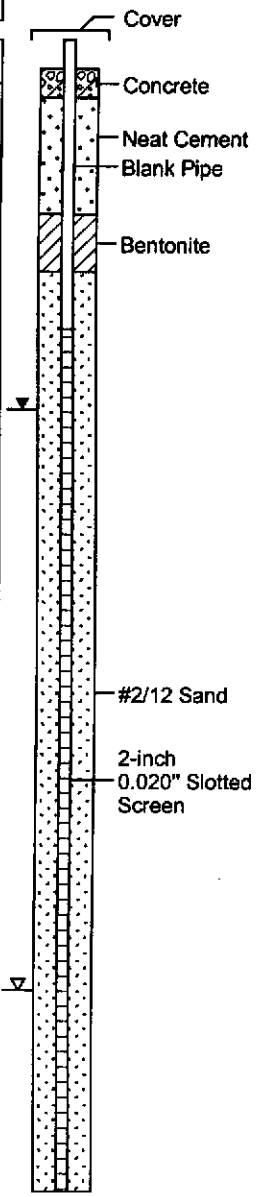
Clayton Project No.: 70-97066.00

Date Started	: 5-23-00	Driller	: Gregg
Date Completed	: 5-23-00	Logged By	: M. Mulaney
Hole Diameter	: 8 in.	Surface (Rim) Elevation	15.67 ft, msl
Drilling Method	: HSA	Top of Well Casing	: 15.47 ft,msl
Sampling Method	: Cal Split Spoon	Survey By	: V. Chavez

Water Levels
▼ After Completion
▽ During Drilling

Depth in Feet	Surf. Elev. 15.67	PID (ppm)	USCS	GRAPHIC	USCS Symbol	DESCRIPTION
0	19		CC			Concrete slab
			CL			Silty CLAY (CL) (0,0,30,70), black, damp
	14		CL			Sandy Silty CLAY (CL) (0,10,40,55) , green, damp
			CL			Silty CLAY (CL) (0,0,30,70), black, damp
5		1.7				
	9					Pebbly Sandy Silty CLAY (CL) (20,20,10,50) , dark green, damp Sandy Silty CLAY (CL) (0,20,30,50), brown, damp, carbon, root structures
10		2.7				
	4		CL			Sandy CLAY (CL), damp
15		0.7				Sandy Silty CLAY (CL) (0,30,10, 60), brown, damp, root structures, green staining
		1.7	GW			Silty Sandy GRAVEL (GC) (60,30,10, 0), brown, saturated
20						

Well1: MW-7
Elev.: 15.67



Notes:

C:\mtech5\p97066\97066mw7.bor
09-18-2000

Clayton GROUP SERVICES

LOG OF BORING MW_8

SITE INVESTIGATION
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA

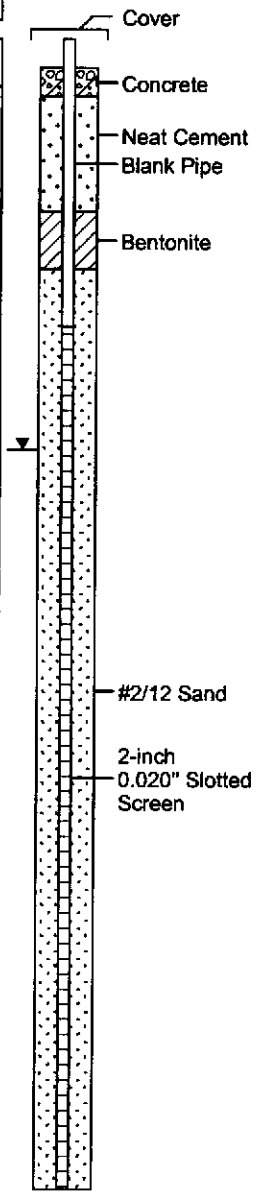
Clayton Project No.: 70-97066.00

Date Started	: 5-23-00	Driller	: Gregg
Date Completed	: 5-23-00	Logged By	: M. Mulaney
Hole Diameter	: 8 in.	Surface (Rim) Elevation	17.83 ft, msl
Drilling Method	: HSA	Top of Well Casing	: 17.58 ft, msl
Sampling Method	: Cal Split Spoon	Survey By	: V. Chavez

Water Levels
▼ After Completion
▽ During Drilling

Depth in Feet	Surf. Elev. 17.83	PID (ppm)	USCS	GRAPHIC	USCS Symbol	DESCRIPTION
0	18		CC			Concrete slab
						Pebbly Sandy Silty CLAY (CL) (25,10,25,40), black and green, moist
5	13	6.1				
10	8	6.6	CL			Sandy Silty CLAY (CL) (0,20,30,50), brown, moist, 1-2 mm carbon, root structures, green staining
15	3	46.4				Sandy Silty CLAY (CL) (0,20,35,45), light brown, moist, 1 mm carbon
		6.1				Pebbly Sandy Silty CLAY (CL) (30,10,20,40), tan, wet
20						

Well1: MW-8
Elev.: 17.83



Notes:

09-18-2000 C:\mtech5\p97066\97066mw8.bor

Virgil Chavez Land Surveying
312 Georgia Street, Suite 225
Vallejo, California 94590-5907
(707) 553-2476 • Fax (707) 553-8698

July 11, 2000
Project No. 1605-01

Marc Mullaney
Clayton Environmental Consultants
6920 Koll Center Pkwy, Ste. 216
Pleasanton, Ca. 94566

Subject: Monitoring Well Survey
630 29th Ave.
Oakland, Ca.

Dear Marc:

This is to confirm that we have proceeded at your request to survey the monitoring wells at the above referenced site. Our findings are shown in the tables below. The survey was performed on July 7, 2000. Measurement locations were marked at approximate north side of top of casing, and top of box. The face of building on 7th Street was used as reference line for top of casing locations. The benchmark for the survey was a cut square in the easterly curb return at the northerly corner of Peterson Street & East 7th Street.
Benchmark Elevation = 17.91 feet, MSL.

Well No.	Rim Elevation	TOC Elevation	Station	Offset
MW - 6	16.81'	16.60'	0+69.25	-45.57(Lt.)
MW - 7	15.67'	15.47'	0-18.88	31.59(Rt.)
MW - 8	17.83'	17.58'	1+17.23	87.51(Rt.)
N'ly Bldg Cor.			0+00	0.00
Bldg Face-7th Street			----	0.00

Sincerely,

LICENSED LAND SURVEYOR
VIRGIL D. CHAVEZ
No. 6323
Exp. 12-31-02
STATE OF CALIFORNIA

Virgil D. Chavez

Virgil D. Chavez, PLS 6323

APPENDIX C

NON-HAZARDOUS WASTE MANIFEST

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1

3. Generator's Name and Mailing Address: BANK OF AMERICA
4000 MAC ARTHUR BLVD #100
NEWPORT BEACH, CA 92660
ATTN: DONNA PROFFITT

4. Generator's Phone ( )

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Industrial Waste Utilization	CAD980585293	909-984-9989
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
Innovative Waste Utilization, LLC 2575 South 16th Avenue Phoenix AZ 85007	AZD980892731	602-252-1222

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non Haz ~~Manifest~~ Water	001	TM	66004	G
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
11a) Petroleum Hydrocarbons .1%, water 99.9%

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
11a) Approval # W1544-LR, Site 630 29th Ave., Oakland, CA. 94569
ERG # -
Emergency Contact (408) 288-5616, Container Size:

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	10	25	00

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	10	26	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR

TRANSPORTER

FACILITY

GENERATOR'S COPY

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.:
Manifest Document No.: 083117
2. Page 1 of 1

GENERATOR

3. Generator's Name and Mailing Address: Bank of America Attn Donna Proffitt
4000 MacArthur Blvd., #100
Newport Beach CA 92660
4. Generator's Phone ( )

5. Transporter 1 Company Name: Industrial Waste Utilization
6. US EPA ID Number: CAD980585293
A. Transporter's Phone: 909-984-9984

7. Transporter 2 Company Name:
8. US EPA ID Number:
B. Transporter's Phone:

9. Designated Facility Name and Site Address: Innovative Waste Utilization, LLC
2575 South 16th Ave
Phoenix, AZ 85007
10. US EPA ID Number: AZD980892731
C. Facility's Phone: 602-252-1222

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Non Hazardous Waste Liquid			6.5	G
b. Non Hazardous Waste Solid			3000	P
c.				
d.				

D. Additional Descriptions for Materials Listed Above
11A Petroleum Hydrocarbons .1%, Water 99.9%
11B Petroleum Hydrocarbons .1%, Soil 99.9%

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
11A Approval #W15443-LR, Site: 630 29th Ave., Oakland, CA. 94569.
11B. Approval #W15444-LD1, Site: 630 29th Ave, Oakland, CA 94569.
Emergency contact: 925-426-2656 Container Size:
Marc Malloney

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: MARC MULLANEY AS AGENT FOR BOFA
Signature:
Month Day Year: 07 21 10

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Jose Velasquez
Signature:
Month Day Year: 07 21 10

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:
Signature:
Month Day Year:

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name:
Signature:
Month Day Year:

ORIGINAL – RETURN TO GENERATOR

APPENDIX D

THIRD QUARTER (SEPTEMBER) 2000

GROUNDWATER SAMPLING LOGS

FIELD SAMPLING DATA SHEET

Job Location:	Former Lemoine Sausage Factory	Job #:	70-97066
	630 29th Avenue	Date Purged:	9/22/00
	Oakland, California	Purge Method:	PERISTALTIC PUMP
Sampling Location:	MW-1	Date & Time Sampled:	9/22/00 1145
Top of Casing:	16.69 (ft, msl)	Sampling Method:	SAME
Depth to Water:	6.30'	Sample Type:	TPHG/BTEX
Groundwater Elevation	10.39	Preservatives:	ICE
Well Bottom	7.69	# of Containers:	3
Water Column:	2.70	Field Tech:	MRM
Well Casing Volume:	.027 (WC* 0.01)	Weather Conditions:	OVERCAST
Casing Volumes Purged:			
Purge Rate:		3/4" dia well	

Time	Volume Removed ~~(gal)~~	pH	Specific Conductivity (µmhos/cm)	Redox Potential (mVolts)	Temperature (°F or °C)	Dissolved Oxygen (mg/L)
10:27	250 ml	7.18	1.335	30	22.8	TURB DK GRY
:	PUMPED DRY					
:						
:						
:						
:						
:						
:						
:						
:						
:						
:						

Field Notes:

Also analysis by SM 4500-P for Orthophospahte
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:	9/22/00
	Oakland, California	Purge Method:	PERISTALTIC PUMP
Sampling Location:	**MW-2**	Date & Time Sampled:	9/22/00
Top of Casing:	20.79 (ft, msl)	Sampling Method:	PERISTALTIC PUMP
Depth to Water:	11.49	Sample Type:	TPHG/BTEX
Groundwater Elevation	9.30	Preservatives:	ICE
Well Bottom	0.79	# of Containers:	3
Water Column:	8.51	Field Tech:	MRM
Well Casing Volume:	0.085 (WC* 0.01)	Weather Conditions:	OVERCAST
Casing Volumes Purged:			
Purge Rate:		3/4" dia well	

Time	Volume Removed (gal)	pH	Specific Conductivity (µmhos/cm)	Redox Potential (mVolts)	Temperature (°F or °C)	Dissolved Oxygen TURB (mg/L)
11:18	500 mL	6.60	10,88	61	18.8	CLR
11:24	500 mL	6.62	10,45	58	18.6	CLR
11:29	500 mL	6.61	11.05	58	18.0	CLR
11:33	250 mL	6.65	10.22	57	18.0	CLR
:	PUMPED DRY					
:						
:						
:						
:						
:						
:						
:						

Field Notes:

B-7
9~~27~~.90

FIELD SAMPLING DATA SHEET

Job Location:	Former Lemoine Sausage Factory	Job #:	70-97066
	630 29th Avenue	Date Purged:	9/22/00
	Oakland, California	Purge Method:	PERISTALTIC PUMP
Sampling Location:	**MW-3**	Date & Time Sampled:	9/22/00
Top of Casing:	21.10 (ft, msl)	Sampling Method:	PERISTALTIC PUMP
Depth to Water:	15.30	Sample Type:	TPHG/BTEX / P / N
Groundwater Elevation	5.8	Preservatives:	ICE
Well Bottom	1.10	# of Containers:	6 5
Water Column:	4.70	Field Tech:	MRM
Well Casing Volume:	0.047 (WC* 0.01)	Weather Conditions:	OVERCAST
Casing Volumes Purged:			
Purge Rate:		3/4" dia well	

Time	Volume Removed (gal)	pH	Specific Conductivity (µmhos/cm)	Redox Potential (mVolts)	Temperature (°F or (C))	Dissolved Oxygen (mg/L)
10:51	500ml	6.46	16.89	68	17.7	TURB GRY
10:57	500ML	6.50	14.93	65	16.5	GRY
11:04	500ML	6.46	15.77	67	16.7	GRY
:						
:						
:						
:						
:						
:						
:						
:						
:						

Field Notes:

FIELD SAMPLING DATA SHEET

Job Location:	Former Lemoine Sausage Factory	Job #:	70-97066
	630 29th Avenue	Date Purged:	9/22/00
	Oakland, California	Purge Method:	PERISTALTIC PUMP
Sampling Location:	MW-4	Date & Time Sampled:	9/22/00 1200
Top of Casing:	17.78 (ft, msl)	Sampling Method:	SAME
Depth to Water:	6.90	Sample Type:	TPHG/BTEX
Groundwater Elevation	10.88	Preservatives:	ICE
Well Bottom	2.78	# of Containers:	3
Water Column:	8.1	Field Tech:	MRM
Well Casing Volume:	0.081 (WC* 0.01)	Weather Conditions:	OVERCAST
Casing Volumes Purged:			
Purge Rate:			3/4" dia well

Time	Volume Removed (gal)	pH	Specific Conductivity (µmhos/cm)	Redox Potential (mVolts)	Temperature (°F or °C)	Dissolved Oxygen (mg/L)
10:37	500 ml	6.73	6.67	51	18.8	TURB GRY
10:37	400 ml	6.89	4.31	43	18.1	GRY
:	PUMPED DRY					
:						
:						
:						
:						
:						
:						
:						
:						
:						

Field Notes:

FIELD SAMPLING DATA SHEET

Job Location:	Former Lemoine Sausage Factory	Job #:	70-97066
	630 29th Avenue	Date Purged:	9/22/00
	Oakland, California	Purge Method:	PERISTALTIC PUMP
Sampling Location:	MW-5	Date & Time Sampled:	9/22/00
Top of Casing:	21.12 (ft, msl)	Sampling Method:	SAME
Depth to Water:	9.99	Sample Type:	TPHG/BTEX
Groundwater Elevation	11.13	Preservatives:	ICE
Well Bottom	6.12	# of Containers:	3
Water Column:	5.01	Field Tech:	MRM
Well Casing Volume:	0.05 (WC* 0.01)	Weather Conditions:	OVERCAST
Casing Volumes Purged:			
Purge Rate:		3/4" dia well	

Time	Volume Removed (gal)	pH	Specific Conductivity (µmhos/cm)	Redox Potential (mVolts)	Temperature (°F or °C)	Dissolved Oxygen (mg/L)
10:43	500ml	6.72	8.76	52	18.0	TURB CLR
:	PUMPED DRY					
:						
:						
:						
:						
:						
:						
:						
:						
:						
:						

Field Notes:

FIELD SAMPLING DATA SHEET

Job Location:	Former Lemoine Sausage Factory	Job #:	70-97066
	630 29th Avenue	Date Purged:	9/22
	Oakland, California	Purge Method:	Bailer
Sampling Location:	**MW-6**	Date & Time Sampled:	9/22/00 1150
Top of Casing:	16.6 (ft, msl)	Sampling Method:	DISPOSABLE BAILER
Depth to Water:	6.54	Sample Type:	TPHG/BTEX
Groundwater Elevation	10.06	Preservatives:	ICE
Well Bottom	-3.40	# of Containers:	3
Water Column:	13.46	Field Tech:	Beth Driscoll
Well Casing Volume:	2.13 (WC* 0.16)	Weather Conditions:	overcast
Casing Volumes Purged:	4		
Purge Rate:			2" dia well

Time	Volume Removed (gal)	pH	Specific Conductivity (µmhos/cm)	Redox Potential (mVolts)	Temperature (°F or C)	Dissolved Oxygen TURB mg/L
10:20	0	6.94	1.646 MV	37	20.8	Clear
10:25	2.15	7.07	1.853	33	21.2	clear
10:35	4.30	7.06	1.007	33	20.9	Slightly cloudy
10:40	6.45	7.03	2.11	35	20.0	slightly turbid (brown)
10:45	8.60	7.06	2.54	33	19.7	Turbid & Brown
:						
:						
:						
:						
:						
:						
:						

Field Notes:

FIELD SAMPLING DATA SHEET

Job Location:	Former Lemoine Sausage Factory	Job #:	70-97066
	630 29th Avenue	Date Purged:	9/22/00
	Oakland, California	Purge Method:	Bailer
Sampling Location:	MW-7	Date & Time Sampled:	9/22/00 1155
Top of Casing:	15.47 (ft, msl)	Sampling Method:	Bailer
Depth to Water:	7.51	Sample Type:	TPHG/BTEX
Groundwater Elevation	7.96	Preservatives:	ICe
Well Bottom	-4.53	# of Containers:	5
Water Column:	12.49	Field Tech:	Beth Dunne
Well Casing Volume:	1.99 (WC* 0.16)	Weather Conditions:	overcast
Casing Volumes Purged:			
Purge Rate:		2" dia well	

Time	Volume Removed (gal)	pH	Specific Conductivity (µmhos/cm)	Redox Potential (mVolts)	Temperature (°F or °C)	Dissolved Oxygen (mg/L)
10:50	0	7.28	1,392	22	17.3	Clear
11:05	(1) 2.0	7.29	1.320	21	19.6	Turbid Brown
11:10	(2) 4.00	7.30	1.388	19	19.7	"
11:20	(3) 6.00	7.31	1.360	18	19.6	"
11:25	(4) 8.00	7.29	1.354	20	19.4	"
:						
:						
:						
:						
:						
:						
:						

Field Notes:

Also analysis by SM 4500-P for Orthophospahte
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:	9/22/00
	Oakland, California	Purge Method:	DISPOSABLE BAILER
Sampling Location:	MW-8	Date & Time Sampled:	9/22/00 1210
Top of Casing:	17.58 (ft, msl)	Sampling Method:	DISPOSABLE BAILER
Depth to Water:	8.33	Sample Type:	TPHG/BTEX
Groundwater Elevation	9.25	Preservatives:	ICE
Well Bottom	-2.42	# of Containers:	3
Water Column:	11.67	Field Tech:	BETH TAYLOR
Well Casing Volume:	1.86 (WC* 0.16)	Weather Conditions:	OVERCAST
Casing Volumes Purged:			
Purge Rate:			2" dia well

Time	Volume Removed (gal)	pH	Specific Conductivity (µmhos/cm)	Redox Potential (mVolts)	Temperature (°F or °C)	Dissolved Oxygen (mg/L)
11:30	(1) 2	7.19	2.58	25	17.6	TURB CLR
11:35	(2) 2.9	7.32	2.25	19	17.2	V. LT. BRN
11:40	(3) 4.5	7.31	2.40	"	16.8	Turb - Brown
11:50	(3) 4.9	7.18	2.61	26	17.1	"
:	(4)	Pumped dry				
:						
:						
:						
:						
:						
:						
:						

Field Notes:

MONITORING WELL DATA SHEET

DATE: 6/15/00

PROJECT #: 70-97066

CLIENT:

MILEAGE:

FACILITY:

FIELD TECH:

PAGE: OF:

WELL #	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	B-7	B-8
TIME OPENED (24 hr)	1048	1053	1051	1056	1052	1045	1047	1049	1052	1054
TIME (24 hr)	1106	1111	1108	1116	1107	1103	1105	1118	1110	1154
WATER DEPTH (ft)	4.92	10.46	10.56	6.30	10.36	5.47	6.40	7.14	9.27	9.90
WELL DEPTH (ft)						~~5.47~~			--	
WELL DIAMETER (in)										
WELL VOLUME (gal)										
SHEEN OR FILM										
PRODUCT THICKNESS (ft)										
FIELD SAMPLE COLOR										
PURGE										
DEVELOP										
SAMPLE										
METHOD										
PURGED WATER VOL. (gal)										
PURGED COLOR										
PURGED PROD. VOL. (gal)										
PURGE SEQUENCE										
PROD DETECT METHOD										

COMMENTS:

SAMPLING DATA SHEET

JOB #:

JOB LOCATION:

DATE PURGED: 6/15/00

PURGE METHOD:

DATE & TIME SAMPLED: 1550

SAMPLING LOCATION: MW-1

SAMPLING METHOD:

DEPTH TO WATER: 4.82

SAMPLE TYPE: ___GRAB ___COMPOSITE

WELL BOTTOM DEPTH: 8.36

PRESERVATIVES:

WELL CASING VOLUME: 0.14

OF CONTAINERS:

CASING VOLUMES PURGED:

FIELD TECH:

PURGE RATE:

WEATHER CONDITIONS:

TIME (24 hr)	VOLUME REMOVED (gal)	ELECTRICAL CONDUCTIVITY (µmhos/cm) ~~ORP~~ MV	PH	TEMPERATURE (°F) ~~C~~	TURBIDITY (ntu)
1203	0	9	6.60	24.2	DK GRY
1205	0.2 (1)	3	6.72	24.5	LT. GRY
1207	0.1 (2)	3	6.68	25.4	
PUMPED	DRY (3) (4)				

NOTES:

INITIAL DO = 0.8 PPM

POST = 3.8 PPM

STRONG ODOR

SAMPLING DATA SHEET

JOB #:

JOB LOCATION:

DATE PURGED: 6/15/00

PURGE METHOD:

DATE & TIME SAMPLED: 6/15/00 1630

SAMPLING LOCATION: MW-4

SAMPLING METHOD:

DEPTH TO WATER: 6.30

SAMPLE TYPE: ___GRAB ___COMPOSITE

WELL BOTTOM DEPTH: 13.14

PRESERVATIVES:

WELL CASING VOLUME:

OF CONTAINERS:

CASING VOLUMES PURGED:

FIELD TECH:

PURGE RATE:

ORP/MV

WEATHER CONDITIONS:

TIME (24 hr)	VOLUME REMOVED (gal)	ELECTRICAL CONDUCTIVITY (~~umhos~~/cm)	PH	TEMPERATURE (°~~F~~) C	TURBIDITY (ntu) GRY
1421	0	39	6.04	18.7	DK BRN
1424 (1)	500ML	20	6.43	17.7	BRN
1426 (2)	500ML	20	6.43	17.6	GRY
1428 (3)	500ML	21	6.43	17.7	"
1430 (4)					
PUMPED DRY					

NOTES: DO INITIAL 0.7 PPM

SAMPLING DATA SHEET

JOB #:

JOB LOCATION:

DATE PURGED: 6/15/00

PURGE METHOD:

DATE & TIME SAMPLED:

SAMPLING LOCATION: MW-5

SAMPLING METHOD:

DEPTH TO WATER: 10,36

SAMPLE TYPE: ___GRAB ___COMPOSITE

WELL BOTTOM DEPTH: 14,76

PRESERVATIVES:

WELL CASING VOLUME:

OF CONTAINERS:

CASING VOLUMES PURGED:

FIELD TECH:

PURGE RATE:

WEATHER CONDITIONS:

TIME (24 hr)	VOLUME REMOVED (gal)	ELECTRICAL CONDUCTIVITY (µmhos/cm) ~~ORP~~ / MV	PH	TEMPERATURE (°F) C	TURBIDITY (ntu)
1446	0	38	6,10	20,1	GRY
1448	500 ML (1)	25	6,35	18,3	"
	(2) PUMPED	DRY			
	(3)				
	(4)				
6/27/00		EC / MV			
0950	500 ML	7,12 / -13	7,11	18,3	LT. GRY
MW-2					
~~0955~~ 1000	600 ML	7,13 / -7	7,04	17,5	"
1007	600 ML	7,09 / 10	6,72	17,4	GRY
1011	200 ML	3,77 / 16	6,62	17,5	GRY
	BAILED	DRY			
MW-3 1021	600 ML	10,03 / 38	6,25	17,1	GRY
1026	600 ML	9,16 / 24	6,32	17,1	GRY
1032	600 ML	9,17 / 37	6,26	17,0	"
1039	600 ML	9,79 / 32	6,34	17,0	"

NOTES:

INITIAL DO = 1,8

03

05 02

SAMPLING DATA SHEET

JOB #:

JOB LOCATION:

DATE PURGED: 6/15/00

PURGE METHOD:

DATE & TIME SAMPLED: 6/15/00 1530

SAMPLING LOCATION: MW-6

SAMPLING METHOD:

DEPTH TO WATER: 5.47

SAMPLE TYPE: ___GRAB ___COMPOSITE

WELL BOTTOM DEPTH: 20.00

PRESERVATIVES:

WELL CASING VOLUME: 2.3

OF CONTAINERS:

CASING VOLUMES PURGED:

FIELD TECH:

PURGE RATE:

WEATHER CONDITIONS:

TIME (24 hr)	VOLUME REMOVED (gal)	ELECTRICAL CONDUCTIVITY (~~µmhos/cm~~) MV	PH	TEMPERATURE (°F)C	TURBIDITY (ntu)
1127	0	-16	7.35	24.3	CLR
1133	2.3g (1)	-12	7.03	21.3	LT. BRN
1138	2.3g (2)	-8	6.92	20.6	"
1142	2.3g (3)	-1	6.83	20.1	"
1146	2.3g (4)	2	6.74	19.8	"

NOTES:

DO INITIAL 1.4 MG/L

POST 4.0 MG/L

SAMPLING DATA SHEET

JOB #:

JOB LOCATION:

DATE PURGED: 6/15/00

PURGE METHOD:

DATE & TIME SAMPLED: 6/15/00 1605

SAMPLING LOCATION: MW-7

SAMPLING METHOD:

DEPTH TO WATER: 6.40

SAMPLE TYPE: ___GRAB ___COMPOSITE

WELL BOTTOM DEPTH: 20.00

PRESERVATIVES:

WELL CASING VOLUME: 2.2

OF CONTAINERS:

CASING VOLUMES PURGED:

FIELD TECH:

PURGE RATE:

ORP / MV

WEATHER CONDITIONS:

TIME (24 hr)	VOLUME REMOVED (gal)	ELECTRICAL CONDUCTIVITY (µmhos/cm)	PH	TEMPERATURE (°F)C	TURBIDITY (ntu)
1216	0	7	6.67	22.1	CLR
1220	① 2.2 g	13	6.54	19.9	BRN
1223	② 2.2 g	12	6.56	19.3	"
1226	③ 2.2 g	14	6.52	18.8	"
1229	④	10	6.58	18.7	"

NOTES:

INITIAL DO 3.1 PPM

POST = 2.6 PPM

SAMPLING DATA SHEET

JOB #:

JOB LOCATION:

DATE PURGED: 6/7/00

PURGE METHOD:

DATE & TIME SAMPLED:

SAMPLING LOCATION: MW-7

DEPTH TO WATER: 6.30

WELL BOTTOM DEPTH: 20.00

WELL CASING VOLUME: 2.2 g

CASING VOLUMES PURGED:

PURGE RATE:

SAMPLING METHOD:

SAMPLE TYPE: ___GRAB ___COMPOSITE

PRESERVATIVES:

OF CONTAINERS:

FIELD TECH:

WEATHER CONDITIONS:

TIME (24 hr)	VOLUME REMOVED (gal)	ELECTRICAL CONDUCTIVITY (µmhos/cm)	PH	TEMPERATURE (°F) C	TURBIDITY (ntu)
1045	SURGE				
1052	0	1,793 -14	6.64	19.3	BRN
1058	5g ②	1,878 -13	6.61	18.7	DK "
1104	5g ④	1,823 -13	6.61	18.4	"
1111	5g ⑥	1,351 -25	6.70	18.5	"
	BAILER DRY ⑤				
	⑩				

NOTES:

20.00
6.30
13.70
.16
2 20
3 00
21 9 20

SAMPLING DATA SHEET

JOB #:

JOB LOCATION:

DATE PURGED: 6/15/00

PURGE METHOD:

DATE & TIME SAMPLED: 1620

SAMPLING LOCATION: MW-8

SAMPLING METHOD:

DEPTH TO WATER: 7.14

SAMPLE TYPE: ___GRAB ___COMPOSITE

WELL BOTTOM DEPTH: 20.00

PRESERVATIVES:

WELL CASING VOLUME: 2.05

OF CONTAINERS:

CASING VOLUMES PURGED:

FIELD TECH:

PURGE RATE: ORP/MW

WEATHER CONDITIONS:

TIME (24 hr)	VOLUME REMOVED (gal)	ELECTRICAL CONDUCTIVITY (µmhos/cm)	PH	TEMPERATURE (°C)	TURBIDITY (ntu)
1400	0	9	6.59	17.7	CLR
1402 (1)	2g	8	6.61	16.3	"
1405 (2)	2g	9	6.60	16.1	BRN
1409 (3)	2g	8	6.63	12.8	"
1413 (4)	1g	11	6.59	16.5	"
	BAILED	DRY			

NOTES:

INITIAL DO 0.5 PPM

ODOR

POST = 4.0

SAMPLING DATA SHEET

JOB #:

JOB LOCATION:

SAMPLING LOCATION: MW-8

DEPTH TO WATER: 7.11

WELL BOTTOM DEPTH: 20.00

WELL CASING VOLUME: 2.126

CASING VOLUMES PURGED:

PURGE RATE:

DATE PURGED:

PURGE METHOD:

DATE & TIME SAMPLED:

SAMPLING METHOD:

SAMPLE TYPE: ___GRAB ___COMPOSITE

PRESERVATIVES:

OF CONTAINERS:

FIELD TECH:

WEATHER CONDITIONS:

TIME (24 hr)	VOLUME REMOVED (gal)	ELECTRICAL CONDUCTIVITY (µmhos/cm)		PH	TEMPERATURE (°C)	TURBIDITY (ntu)
1124	SURGE					
1130	0	1,222	-2	6.40	16.7	BRN
1139	5g (2)	2,277	1	6.39	16.3	11
1143	4g (3)	2,266	-4	6.46	16.2	11
	BAILED DRY (6)					
	(8)					
	(10)					

NOTES: 20.00
7.11
13.89

GAS ODOR

2.12
.23
.01
2.26

APPENDIX F

THIRD QUARTER (SEPTEMBER) 2000

LABORATORY ANALYTICAL DATA SHEETS AND CHAIN-OF-CUSTODY DOCUMENTATION

CHROMALAB, INC.
Environmental Services (SDB)

Submission #: 2000-09-0420
Date: September 28, 2000

Clayton
6920 Koll Center Parkway, Suite 216

Pleasanton, CA 94566

Attn.: Warren Chamberlan

Project: 70-97066
Sausage Factory

Attached is our report for your samples received on Friday September 22, 2000
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after November 6, 2000 unless you have requested otherwise. We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919. You can also contact me via email. My email address is: vvancil@chromalab.com

Sincerely,

Vincent Vancil

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0420

Gas/BTEX and MTBE

Clayton

6920 Koll Center Parkway, Suite 216

Pleasanton, CA 94566

Attn: Warren Chamberlan

Phone: (925) 426-2600 Fax: (925) 426-0106

Project #: 70-97066

Project: Sausage Factory

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	09/22/2000 11:45	1
MW-3	Water	09/22/2000 12:05	2
MW-4	Water	09/22/2000 12:00	3
MW-6	Water	09/22/2000 11:50	4
MW-7	Water	09/22/2000 11:55	5
MW-8	Water	09/22/2000 12:10	6

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0420

To: **Clayton**

Attn.: Warren Chamberlan

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID:	**MW-1**	Lab Sample ID:	**2000-09-0420-001**
Project:	70-97066 Sausage Factory	Received:	09/22/2000 15:13
		Extracted:	09/22/2000 22:52
Sampled:	09/22/2000 11:45	QC-Batch:	2000/09/22-01.01
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	25000	5000	ug/L	100.00	09/22/2000 22:52	
Benzene	3100	50	ug/L	100.00	09/22/2000 22:52	
Toluene	1800	50	ug/L	100.00	09/22/2000 22:52	
Ethyl benzene	470	50	ug/L	100.00	09/22/2000 22:52	
Xylene(s)	3600	50	ug/L	100.00	09/22/2000 22:52	
MTBE	ND	500	ug/L	100.00	09/22/2000 22:52	
Surrogate(s)						
Trifluorotoluene	74.4	58-124	%	1.00	09/22/2000 22:52	
4-Bromofluorobenzene-FID	59.6	50-150	%	1.00	09/22/2000 22:52	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0420

To: **Clayton**

Attn.: Warren Chamberlan

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID:	**MW-3**	Lab Sample ID:	**2000-09-0420-002**
Project:	70-97066 Sausage Factory	Received:	09/22/2000 15:13
		Extracted:	09/25/2000 11:18
Sampled:	09/22/2000 12:05	QC-Batch:	2000/09/25-01.01
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	83000	10000	ug/L	200.00	09/25/2000 11:18	
Benzene	16000	100	ug/L	200.00	09/25/2000 11:18	
Toluene	20000	100	ug/L	200.00	09/25/2000 11:18	
Ethyl benzene	1300	100	ug/L	200.00	09/25/2000 11:18	
Xylene(s)	7000	100	ug/L	200.00	09/25/2000 11:18	
MTBE	ND	1000	ug/L	200.00	09/25/2000 11:18	
Surrogate(s)						
Trifluorotoluene	92.5	58-124	%	1.00	09/25/2000 11:18	
4-Bromofluorobenzene-FID	66.2	50-150	%	1.00	09/25/2000 11:18	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0420

To: **Clayton**

Attn.: Warren Chamberlan

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID:	**MW-4**	Lab Sample ID:	**2000-09-0420-003**
Project:	70-97066 Sausage Factory	Received:	09/22/2000 15:13
		Extracted:	09/25/2000 11:52
Sampled:	09/22/2000 12:00	QC-Batch:	2000/09/25-01.01
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	12000	5000	ug/L	100.00	09/25/2000 11:52	
Benzene	2800	50	ug/L	100.00	09/25/2000 11:52	
Toluene	82	50	ug/L	100.00	09/25/2000 11:52	
Ethyl benzene	1100	50	ug/L	100.00	09/25/2000 11:52	
Xylene(s)	1300	50	ug/L	100.00	09/25/2000 11:52	
MTBE	ND	500	ug/L	100.00	09/25/2000 11:52	
Surrogate(s)						
Trifluorotoluene	86.5	58-124	%	1.00	09/25/2000 11:52	
4-Bromofluorobenzene-FID	65.7	50-150	%	1.00	09/25/2000 11:52	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0420

To: **Clayton**

Attn.: Warren Chamberlan

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID:	**MW-6**	Lab Sample ID:	**2000-09-0420-004**
Project:	70-97066 Sausage Factory	Received:	09/22/2000 15:13
		Extracted:	09/23/2000 00:36
Sampled:	09/22/2000 11:50	QC-Batch:	2000/09/22-01.01
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	71	50	ug/L	1.00	09/23/2000 00:36	
Benzene	ND	0.50	ug/L	1.00	09/23/2000 00:36	
Toluene	ND	0.50	ug/L	1.00	09/23/2000 00:36	
Ethyl benzene	ND	0.50	ug/L	1.00	09/23/2000 00:36	
Xylene(s)	ND	0.50	ug/L	1.00	09/23/2000 00:36	
MTBE	ND	5.0	ug/L	1.00	09/23/2000 00:36	
Surrogate(s)						
Trifluorotoluene	84.4	58-124	%	1.00	09/23/2000 00:36	
4-Bromofluorobenzene-FID	67.0	50-150	%	1.00	09/23/2000 00:36	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0420

To: **Clayton**

Attn.: Warren Chamberlan

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID:	**MW-7**	Lab Sample ID:	**2000-09-0420-005**
Project:	70-97066 Sausage Factory	Received:	09/22/2000 15:13
		Extracted:	09/25/2000 12:27
Sampled:	09/22/2000 11:55	QC-Batch:	2000/09/22-01.01
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	09/25/2000 12:27	
Benzene	2.0	0.50	ug/L	1.00	09/25/2000 12:27	
Toluene	ND	0.50	ug/L	1.00	09/25/2000 12:27	
Ethyl benzene	ND	0.50	ug/L	1.00	09/25/2000 12:27	
Xylene(s)	ND	0.50	ug/L	1.00	09/25/2000 12:27	
MTBE	ND	5.0	ug/L	1.00	09/25/2000 12:27	
Surrogate(s)						
Trifluorotoluene	87.8	58-124	%	1.00	09/25/2000 12:27	
4-Bromofluorobenzene-FID	68.4	50-150	%	1.00	09/25/2000 12:27	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0420

To: **Clayton**

Attn.: Warren Chamberlan

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX and MTBE

Sample ID:	**MW-8**	Lab Sample ID:	**2000-09-0420-006**
Project:	70-97066 Sausage Factory	Received:	09/22/2000 15:13
		Extracted:	09/25/2000 13:02
Sampled:	09/22/2000 12:10	QC-Batch:	2000/09/25-01.01
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	1800	50	ug/L	1.00	09/25/2000 13:02	
Benzene	340	2.5	ug/L	5.00	09/26/2000 00:41	
Toluene	ND	2.5	ug/L	5.00	09/26/2000 00:41	
Ethyl benzene	ND	2.5	ug/L	5.00	09/26/2000 00:41	
Xylene(s)	ND	2.5	ug/L	5.00	09/26/2000 00:41	
MTBE	ND	25	ug/L	5.00	09/26/2000 00:41	
Surrogate(s)						
4-Bromofluorobenzene	81.8	50-150	%	1.00	09/26/2000 00:41	
4-Bromofluorobenzene-FID	69.6	50-150	%	1.00	09/25/2000 13:02	

To: **Clayton**

Attn.: Warren Chamberlan

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report
Gas/BTEX and MTBE

Method Blank | **Water** | **QC Batch # 2000/09/25-01.01**

MB: 2000/09/25-01.01-001 | Date Extracted: 09/25/2000 10:10

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	09/25/2000 10:10	
Benzene	ND	0.5	ug/L	09/25/2000 10:10	
Toluene	ND	0.5	ug/L	09/25/2000 10:10	
Ethyl benzene	ND	0.5	ug/L	09/25/2000 10:10	
Xylene(s)	ND	0.5	ug/L	09/25/2000 10:10	
MTBE	ND	5.0	ug/L	09/25/2000 10:10	
Surrogate(s)					
Trifluorotoluene	93.4	58-124	%	09/25/2000 10:10	
4-Bromofluorobenzene-FID	70.2	50-150	%	09/25/2000 10:10	

To: **Clayton**

Attn.: Warren Chamberlan

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report

Gas/BTEX and MTBE

Method Blank | **Water** | **QC Batch # 2000/09/22-01.01**

MB: 2000/09/22-01.01-003

Date Extracted: 09/22/2000 10:04

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	09/22/2000 10:04	
Benzene	ND	0.5	ug/L	09/22/2000 10:04	
Toluene	ND	0.5	ug/L	09/22/2000 10:04	
Ethyl benzene	ND	0.5	ug/L	09/22/2000 10:04	
Xylene(s)	ND	0.5	ug/L	09/22/2000 10:04	
MTBE	ND	5.0	ug/L	09/22/2000 10:04	
Surrogate(s)					
Trifluorotoluene	95.2	58-124	%	09/22/2000 10:04	
4-Bromofluorobenzene-FID	70.8	50-150	%	09/22/2000 10:04	

To: **Clayton**

Attn: Warren Chamberlan

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report

Gas/BTEX and MTBE

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2000/09/22-01.01**

LCS: 2000/09/22-01.01-001 Extracted: 09/22/2000 06:58 Analyzed 09/22/2000 06:58

LCSD: 2000/09/22-01.01-002 Extracted: 09/22/2000 07:32 Analyzed 09/22/2000 07:32

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	485	459	500	500	97.0	91.8	5.5	75-125	20		
Benzene	99.7	98.4	100.0	100.0	99.7	98.4	1.3	77-123	20		
Toluene	98.0	95.5	100.0	100.0	98.0	95.5	2.6	78-122	20		
Ethyl benzene	103	95.7	100.0	100.0	103.0	95.7	7.3	70-130	20		
Xylene(s)	329	300	300	300	109.7	100.0	9.3	75-125	20		
Surrogate(s)											
Trifluorotoluene	462	448	500	500	92.4	89.6		58-124			
4-Bromofluorobenzene-FI	354	347	500	500	70.8	69.4		50-150			

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0420

To: **Clayton**

Attn: Warren Chamberlan

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report

Gas/BTEX and MTBE

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2000/09/25-01.01**

LCS: 2000/09/25-01.01-002 Extracted: 09/25/2000 07:39 Analyzed 09/25/2000 07:39

LCSD: 2000/09/25-01.01-003 Extracted: 09/25/2000 08:15 Analyzed 09/25/2000 08:15

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	479	445	500	500	95.8	89.0	7.4	75-125	20		
Benzene	93.6	97.9	100.0	100.0	93.6	97.9	4.5	77-123	20		
Toluene	90.3	94.5	100.0	100.0	90.3	94.5	4.5	78-122	20		
Ethyl benzene	89.1	94.2	100.0	100.0	89.1	94.2	5.6	70-130	20		
Xylene(s)	282	298	300	300	94.0	99.3	5.5	75-125	20		
Surrogate(s)											
Trifluorotoluene	408	439	500	500	81.6	87.8		58-124			
4-Bromofluorobenzene-FI	346	339	500	500	69.2	67.8		50-150			

CHROMALAB, INC.

Environmental Services (SDB) (DOHS 1094)

2000-04-0420

1220 Quarry Lane • Pleasanton, California 94566-4756
(925) 484-1919 • Fax (925) 484-1096

Reference #: 5464

Chain of Custody

DATE 9/22/00 PAGE 1 OF 1

PROJ. MGR WARREN CHAMBERLAIN
COMPANY CLAYTON
ADDRESS

SAMPLERS (SIGNATURE) Marla Mullaney
(PHONE NO.) 925-426-2656
(FAX NO.) 925-426-0106

SAMPLE ID	DATE	TIME	MATRIX	PRESERV.	TPH-(EPA 8015, 8020) X Gas w/ BTEX & MTBE	PURGEABLE AROMATICS BTEX (EPA 8020)	TPH-Diesel (EPA 8015M)	TEPH (EPA 8015M) ☐ Diesel ☐ M.O. ☐ Other	PURGEABLE HALOCARBONS (HVOCs) (EPA 8010)	VOLATILE ORGANICS (VOCs) (EPA 8260)	SEMIVOLATILES (EPA 8270)	Oil & Grease ☐ Petrol ☐ Total ☐ 1664		☐ PESTICIDES (EPA 8080) ☐ PCB'S (EPA 8080)	PNA's by ☐ 8270 ☐ 8310	☐ Spec. Cond. ☐ TSS ☐ TDS	LUFT METALS: Cd, Cr, Pb, Ni, Zn	CAM 17 METALS (EPA 6010/7470/7471)	TOTAL LEAD	☐ W.E.T. (STLC) ☐ TCLP	☐ Hexavalent Chromium ☐ pH (24 hr hold time for H20)				NUMBER OF CONTAINERS
MW-1	9/22/00	1145	GW		X																				
MW-3		1205			X																				
MW-4		1200			X																				
MW-6		1150			X																				
MW-7		1155			X																				
MW-8		1210			X																				

PROJECT INFORMATION

PROJECT NAME: SAUSAGE FACTORY
PROJECT NUMBER: 70-97066
P.O. #

SAMPLE RECEIPT

TOTAL NO. OF CONTAINERS
HEAD SPACE
TEMPERATURE
CONFORMS TO RECORD

TAT: STANDARD 5-DAY | | | 24 | 48 | 72 | OTHER

SPECIAL INSTRUCTIONS/COMMENTS:
Report: ☐ Routine ☐ Level 2 ☐ Level 3 ☐ Level 4 ☐ Electronic Report

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY 3.
(SIGNATURE) Marla Mullaney (TIME) 1513	(SIGNATURE) (TIME)	(SIGNATURE) (TIME)
(PRINTED NAME) MARLA MULLANEY (DATE) 9/22/00	(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)
(COMPANY) CLAYTON	(COMPANY)	(COMPANY)
RECEIVED BY 1.	**RECEIVED BY 2.**	**RECEIVED BY (LABORATORY) 3**
(SIGNATURE) (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) (TIME) 15:13
(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE) 9/22/00
(COMPANY)	(COMPANY)	(LAB)

CHROMALAB, INC.
Environmental Services (SDB)

Submission #: 2000-09-0543
Date: October 4, 2000

Clayton
6920 Koll Center Parkway, Suite 216

Pleasanton, CA 94566

Attn.: Warren Chamberlain

Project: Sausage Factory

Attached is our report for your samples received on Wednesday September 27, 2000
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after November 11, 2000 unless you have requested otherwise. We appreciate the opportunity to be of service to you.
If you have any questions, please call me at (925) 484-1919. You can also contact me via email.
My email address is: vvancil@chromalab.com

Sincerely,

Vincent Vancil

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0543

Gas/BTEX

Clayton

6920 Koll Center Parkway, Suite 216

Pleasanton, CA 94566

Attn: Warren Chamberlain

Phone: (925) 426-2600 Fax: (925) 426-0106

Project #:

Project: Sausage Factory

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-5	Water	09/27/2000 10:15	1
MW-2	Water	09/27/2000 10:30	2

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0543

To: **Clayton**

Attn.: Warren Chamberlain

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**MW-5**	Lab Sample ID:	**2000-09-0543-001**
Project:	Sausage Factory	Received:	09/27/2000 17:40
		Extracted:	10/03/2000 23:04
Sampled:	09/27/2000 10:15	QC-Batch:	2000/10/03-01.05
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	16000	2500	ug/L	50.00	10/03/2000 23:04	
Benzene	4300	25	ug/L	50.00	10/03/2000 23:04	
Toluene	3100	25	ug/L	50.00	10/03/2000 23:04	
Ethyl benzene	420	25	ug/L	50.00	10/03/2000 23:04	
Xylene(s)	1600	25	ug/L	50.00	10/03/2000 23:04	
Surrogate(s)						
Trifluorotoluene	91.2	58-124	%	1.00	10/03/2000 23:04	
4-Bromofluorobenzene-FID	70.9	50-150	%	1.00	10/03/2000 23:04	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0543

To: **Clayton**

Attn.: Warren Chamberlain

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**MW-2**	Lab Sample ID:	**2000-09-0543-002**
Project:	Sausage Factory	Received:	09/27/2000 17:40
		Extracted:	09/29/2000 22:50
Sampled:	09/27/2000 10:30	QC-Batch:	2000/09/29-01.01
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	24000	2500	ug/L	50.00	09/29/2000 22:50	
Benzene	10000	25	ug/L	50.00	09/29/2000 22:50	
Toluene	2700	25	ug/L	50.00	09/29/2000 22:50	
Ethyl benzene	370	25	ug/L	50.00	09/29/2000 22:50	
Xylene(s)	1200	25	ug/L	50.00	09/29/2000 22:50	
Surrogate(s)						
Trifluorotoluene	81.0	58-124	%	1.00	09/29/2000 22:50	
4-Bromofluorobenzene-FID	68.7	50-150	%	1.00	09/29/2000 22:50	

To: **Clayton**

Attn.: Warren Chamberlain

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report
Gas/BTEX

Method Blank | **Water** | **QC Batch # 2000/09/29-01.01**

MB: 2000/09/29-01.01-001

Date Extracted: 09/29/2000 06:38

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	09/29/2000 06:38	
Benzene	ND	0.5	ug/L	09/29/2000 06:38	
Toluene	ND	0.5	ug/L	09/29/2000 06:38	
Ethyl benzene	ND	0.5	ug/L	09/29/2000 06:38	
Xylene(s)	ND	0.5	ug/L	09/29/2000 06:38	
Surrogate(s)					
Trifluorotoluene	89.8	58-124	%	09/29/2000 06:38	
4-Bromofluorobenzene-FID	70.6	50-150	%	09/29/2000 06:38	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0543

To: **Clayton**

Attn.: Warren Chamberlain

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report

Gas/BTEX

Method Blank | **Water** | **QC Batch # 2000/10/03-01.05**

MB: 2000/10/03-01.05-001

Date Extracted: 10/03/2000 06:03

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	10/03/2000 06:03	
Benzene	ND	0.5	ug/L	10/03/2000 06:03	
Toluene	ND	0.5	ug/L	10/03/2000 06:03	
Ethyl benzene	ND	0.5	ug/L	10/03/2000 06:03	
Xylene(s)	ND	0.5	ug/L	10/03/2000 06:03	
Surrogate(s)					
Trifluorotoluene	104.6	58-124	%	10/03/2000 06:03	
4-Bromofluorobenzene-FID	62.4	50-150	%	10/03/2000 06:03	

To: **Clayton**

Attn: Warren Chamberlain

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2000/09/29-01.01**

LCS: 2000/09/29-01.01-002 Extracted: 09/29/2000 07:13 Analyzed 09/29/2000 07:13

LCSD: 2000/09/29-01.01-003 Extracted: 09/29/2000 07:48 Analyzed 09/29/2000 07:48

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	457	457	500	500	91.4	91.4	2.8	75-125	20		
Benzene	110	106	100.0	100.0	110.0	106.0	3.7	77-123	20		
Toluene	104	100	100.0	100.0	104.0	100.0	3.9	78-122	20		
Ethyl benzene	106	101	100.0	100.0	106.0	101.0	4.8	70-130	20		
Xylene(s)	308	296	300	300	102.7	98.7	4.0	75-125	20		
Surrogate(s)											
Trifluorotoluene	454	424	500	500	90.8	84.8		58-124			
4-Bromofluorobenzene-FI	353	347	500	500	70.6	69.4		50-150			

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-09-0543

To: **Clayton**

Attn: Warren Chamberlain

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2000/10/03-01.05**

LCS: 2000/10/03-01.05-002 Extracted: 10/03/2000 06:35 Analyzed 10/03/2000 06:35

LCSD: 2000/10/03-01.05-003 Extracted: 10/03/2000 07:07 Analyzed 10/03/2000 07:07

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	415	456	500	500	83.0	91.2	9.4	75-125	20		
Benzene	98.2	95.4	100.0	100.0	98.2	95.4	2.9	77-123	20		
Toluene	99.4	94.8	100.0	100.0	99.4	94.8	4.7	78-122	20		
Ethyl benzene	102	96.7	100.0	100.0	102.0	96.7	5.3	70-130	20		
Xylene(s)	278	267	300	300	92.7	89.0	4.1	75-125	20		
Surrogate(s)											
Trifluorotoluene	517	476	500	500	103.4	95.2		58-124			
4-Bromofluorobenzene-FI	351	390	500	500	70.2	78.0		50-150			

2000-09-0543

REQUEST FOR LABORATORY ANALYTICAL SERVICES

Clayton GROUP SERVICES

IMPORTANT
Date Results Requested: 5 DAY
Rush Charges Authorized? ☐ Yes ☒ No
☐ Phone or ☐ Fax Results

Page 1 of 1

For Clayton Use Only
Clayton Lab Project No.

REPORT RESULTS TO
Name: WARREN CHAMBERLIN SAUSAGE FACTORY MARC MULLANEY
Company
Client Job No.
Purchase Order No.
Mailing Address
Dept.
City, State, Zip
Telephone No. 925-426-2665 FAX No. 925-426-0106

SEND INVOICE TO
Name
Company
Dept.
Address
City, State, Zip

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

* Explanation of Preservative

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

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

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/ MEDIA	AIR VOLUME (specify units)	Number of Containers	TPH G/BTEX	FOR LAB USE ONLY
MW-3	9/27/00	1015	GW		3	X	
MW-2	9/27/00	1030	↓		3	X	

CHAIN OF CUSTODY
Collected by: MARC MULLANEY (print) — Collector's Signature: Marc Mullaney
Relinquished by: Marc Mullaney — Date/Time 9/27/00
Relinquished by: — Date/Time
Method of Shipment:
Received by: — Date/Time
Received by: — Date/Time
Received at Lab by: Denise Harrington — Date/Time 9/27/00 @ 1740
Sample Condition Upon Receipt: ☐ Acceptable ☐ Other (explain)

Authorized by: _____ Date _____
(Client Signature **MUST** Accompany Request)

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) 806-5887
(248) 344-1770
FAX (248) 344-2655

Atlanta Regional Lab
3380 Chastain Meadows Parkway, Suite 300
Kennesaw, GA 30144
(800) 252-9919
(770) 499-7500
FAX (770) 423-4990

Seattle Regional Lab
4636 E. Marginal Way S., Suite 215
Seattle, WA 98134
(800) 568-7755
(206) 763-7364
FAX (206) 763-4189

5.0 °C

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

1/00 20K

Clayton
GROUP SERVICES

APPENDIX G

SECOND QUARTER (JUNE) 2000

LABORATORY ANALYTICAL DATA SHEETS AND CHAIN-OF-CUSTODY DOCUMENTATION

Clayton
6920 Koll Center Parkway
Suite 216
Pleasanton, CA 94566-4756

Attn.: Mr. Marc Mullaney

Dear Marc

Attached is our report for your samples received on Friday June 16, 2000
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after July 16, 2000 unless you have requested otherwise. We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919. You can also contact me via email. My email address is: vvancil@chromalab.com

Sincerely,

Vincent Vancil

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0351

Halogenated Volatile Organic Compounds

Clayton

6920 Koll Center Parkway
Suite 216
Pleasanton, CA 94566-4756

Attn: Marc Mullaney

Phone: (925) 426-2656 Fax: (925) 426-0106

Project #: 70-97066

Project:

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	06/15/2000 15:50	1
MW-6	Water	06/15/2000 15:30	2
MW-7	Water	06/15/2000 16:05	3
MW-8	Water	06/15/2000 16:20	4
MW-4	Water	06/15/2000 16:30	5

To: **Clayton**
Attn.: Marc Mullaney

Test Method: 8010
Prep Method: 5030

Halogenated Volatile Organic Compounds

Sample ID: **MW-1**
Project: 70-97066
Sampled: 06/15/2000 15:50
Matrix: Water

Lab Sample ID: **2000-06-0351-001**
Received: 06/16/2000 14:05
Extracted: 06/21/2000 22:06
QC-Batch: 2000/06/21-01.26

Sample/Analysis Flag Im (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/L	10.00	06/21/2000 22:06	
Vinyl chloride	ND	5.0	ug/L	10.00	06/21/2000 22:06	
Chloroethane	ND	5.0	ug/L	10.00	06/21/2000 22:06	
Trichlorofluoromethane	ND	5.0	ug/L	10.00	06/21/2000 22:06	
1,1-Dichloroethene	ND	5.0	ug/L	10.00	06/21/2000 22:06	
Methylene chloride	ND	50	ug/L	10.00	06/21/2000 22:06	
trans-1,2-Dichloroethene	ND	5.0	ug/L	10.00	06/21/2000 22:06	
cis-1,2-Dichloroethene	ND	5.0	ug/L	10.00	06/21/2000 22:06	
1,1-Dichloroethane	ND	5.0	ug/L	10.00	06/21/2000 22:06	
Chloroform	ND	5.0	ug/L	10.00	06/21/2000 22:06	
1,1,1-Trichloroethane	ND	5.0	ug/L	10.00	06/21/2000 22:06	
Carbon tetrachloride	ND	5.0	ug/L	10.00	06/21/2000 22:06	
1,2-Dichloroethane	ND	5.0	ug/L	10.00	06/21/2000 22:06	
Trichloroethene	ND	5.0	ug/L	10.00	06/21/2000 22:06	
1,2-Dichloropropane	ND	5.0	ug/L	10.00	06/21/2000 22:06	
Bromodichloromethane	ND	5.0	ug/L	10.00	06/21/2000 22:06	
2-Chloroethylvinyl ether	ND	5.0	ug/L	10.00	06/21/2000 22:06	
trans-1,3-Dichloropropene	ND	5.0	ug/L	10.00	06/21/2000 22:06	
cis-1,3-Dichloropropene	ND	5.0	ug/L	10.00	06/21/2000 22:06	
1,1,2-Trichloroethane	ND	5.0	ug/L	10.00	06/21/2000 22:06	
Tetrachloroethene	ND	5.0	ug/L	10.00	06/21/2000 22:06	
Dibromochloromethane	ND	5.0	ug/L	10.00	06/21/2000 22:06	
Chlorobenzene	ND	5.0	ug/L	10.00	06/21/2000 22:06	
Bromoform	ND	20	ug/L	10.00	06/21/2000 22:06	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	10.00	06/21/2000 22:06	
1,3-Dichlorobenzene	ND	5.0	ug/L	10.00	06/21/2000 22:06	
1,4-Dichlorobenzene	ND	5.0	ug/L	10.00	06/21/2000 22:06	
1,2-Dichlorobenzene	ND	5.0	ug/L	10.00	06/21/2000 22:06	
Trichlorotrifluoroethane	ND	20	ug/L	10.00	06/21/2000 22:06	
Chloromethane	ND	10	ug/L	10.00	06/21/2000 22:06	
Bromomethane	ND	10	ug/L	10.00	06/21/2000 22:06	
Surrogate(s)						
1-Chloro-2-fluorobenzene	85.1	50-150	%	1.00	06/21/2000 22:06	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0351

To: **Clayton**
Attn.: Marc Mullaney

Test Method: 8010
Prep Method: 5030

Halogenated Volatile Organic Compounds

Sample ID:	**MW-6**	Lab Sample ID:	**2000-06-0351-002**
Project:	70-97066	Received:	06/16/2000 14:05
		Extracted:	06/23/2000 00:12
Sampled:	06/15/2000 15:30	QC-Batch:	2000/06/22-01.25
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	1.00	06/23/2000 00:12	
Vinyl chloride	ND	0.50	ug/L	1.00	06/23/2000 00:12	
Chloroethane	ND	0.50	ug/L	1.00	06/23/2000 00:12	
Trichlorofluoromethane	ND	0.50	ug/L	1.00	06/23/2000 00:12	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	06/23/2000 00:12	
Methylene chloride	ND	5.0	ug/L	1.00	06/23/2000 00:12	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	06/23/2000 00:12	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	06/23/2000 00:12	
1,1-Dichloroethane	0.78	0.50	ug/L	1.00	06/23/2000 00:12	
Chloroform	ND	0.50	ug/L	1.00	06/23/2000 00:12	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	06/23/2000 00:12	
Carbon tetrachloride	ND	0.50	ug/L	1.00	06/23/2000 00:12	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	06/23/2000 00:12	
Trichloroethene	ND	0.50	ug/L	1.00	06/23/2000 00:12	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	06/23/2000 00:12	
Bromodichloromethane	ND	0.50	ug/L	1.00	06/23/2000 00:12	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	06/23/2000 00:12	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	06/23/2000 00:12	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	06/23/2000 00:12	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	06/23/2000 00:12	
Tetrachloroethene	ND	0.50	ug/L	1.00	06/23/2000 00:12	
Dibromochloromethane	ND	0.50	ug/L	1.00	06/23/2000 00:12	
Chlorobenzene	ND	0.50	ug/L	1.00	06/23/2000 00:12	
Bromoform	ND	2.0	ug/L	1.00	06/23/2000 00:12	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	06/23/2000 00:12	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	06/23/2000 00:12	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	06/23/2000 00:12	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	06/23/2000 00:12	
Trichlorotrifluoroethane	ND	2.0	ug/L	1.00	06/23/2000 00:12	
Chloromethane	ND	1.0	ug/L	1.00	06/23/2000 00:12	
Bromomethane	ND	1.0	ug/L	1.00	06/23/2000 00:12	
Surrogate(s)						
1-Chloro-2-fluorobenzene	73.3	50-150	%	1.00	06/23/2000 00:12	

To: **Clayton**
Attn.: Marc Mullaney

Test Method: 8010
Prep Method: 5030

Halogenated Volatile Organic Compounds

Sample ID:	**MW-7**	Lab Sample ID:	**2000-06-0351-003**
Project:	70-97066	Received:	06/16/2000 14:05
		Extracted:	06/23/2000 01:03
Sampled:	06/15/2000 16:05	QC-Batch:	2000/06/22-01.25
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	1.00	06/23/2000 01:03	
Vinyl chloride	ND	0.50	ug/L	1.00	06/23/2000 01:03	
Chloroethane	ND	0.50	ug/L	1.00	06/23/2000 01:03	
Trichlorofluoromethane	ND	0.50	ug/L	1.00	06/23/2000 01:03	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	06/23/2000 01:03	
Methylene chloride	ND	5.0	ug/L	1.00	06/23/2000 01:03	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	06/23/2000 01:03	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	06/23/2000 01:03	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	06/23/2000 01:03	
Chloroform	ND	0.50	ug/L	1.00	06/23/2000 01:03	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	06/23/2000 01:03	
Carbon tetrachloride	ND	0.50	ug/L	1.00	06/23/2000 01:03	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	06/23/2000 01:03	
Trichloroethene	ND	0.50	ug/L	1.00	06/23/2000 01:03	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	06/23/2000 01:03	
Bromodichloromethane	ND	0.50	ug/L	1.00	06/23/2000 01:03	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	06/23/2000 01:03	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	06/23/2000 01:03	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	06/23/2000 01:03	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	06/23/2000 01:03	
Tetrachloroethene	ND	0.50	ug/L	1.00	06/23/2000 01:03	
Dibromochloromethane	ND	0.50	ug/L	1.00	06/23/2000 01:03	
Chlorobenzene	ND	0.50	ug/L	1.00	06/23/2000 01:03	
Bromoform	ND	2.0	ug/L	1.00	06/23/2000 01:03	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	06/23/2000 01:03	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	06/23/2000 01:03	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	06/23/2000 01:03	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	06/23/2000 01:03	
Trichlorotrifluoroethane	ND	2.0	ug/L	1.00	06/23/2000 01:03	
Chloromethane	ND	1.0	ug/L	1.00	06/23/2000 01:03	
Bromomethane	ND	1.0	ug/L	1.00	06/23/2000 01:03	
Surrogate(s)						
1-Chloro-2-fluorobenzene	74.7	50-150	%	1.00	06/23/2000 01:03	

To: **Clayton**
Attn.: Marc Mullaney

Test Method: 8010
Prep Method: 5030

Halogenated Volatile Organic Compounds

Sample ID:	**MW-8**	Lab Sample ID:	**2000-06-0351-004**
Project:	70-97066	Received:	06/16/2000 14:05
		Extracted:	06/23/2000 01:54
Sampled:	06/15/2000 16:20	QC-Batch:	2000/06/22-01.25
Matrix:	Water		

Sample/Analysis Flag o (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	25	ug/L	25.00	06/23/2000 01:54	
Vinyl chloride	25	13	ug/L	25.00	06/23/2000 01:54	
Chloroethane	ND	13	ug/L	25.00	06/23/2000 01:54	
Trichlorofluoromethane	ND	13	ug/L	25.00	06/23/2000 01:54	
1,1-Dichloroethene	ND	13	ug/L	25.00	06/23/2000 01:54	
Methylene chloride	ND	130	ug/L	25.00	06/23/2000 01:54	
trans-1,2-Dichloroethene	73	13	ug/L	25.00	06/23/2000 01:54	
cis-1,2-Dichloroethene	1100	13	ug/L	25.00	06/23/2000 01:54	
1,1-Dichloroethane	ND	13	ug/L	25.00	06/23/2000 01:54	
Chloroform	ND	13	ug/L	25.00	06/23/2000 01:54	
1,1,1-Trichloroethane	ND	13	ug/L	25.00	06/23/2000 01:54	
Carbon tetrachloride	ND	13	ug/L	25.00	06/23/2000 01:54	
1,2-Dichloroethane	ND	13	ug/L	25.00	06/23/2000 01:54	
Trichloroethene	210	13	ug/L	25.00	06/23/2000 01:54	
1,2-Dichloropropane	ND	13	ug/L	25.00	06/23/2000 01:54	
Bromodichloromethane	ND	13	ug/L	25.00	06/23/2000 01:54	
2-Chloroethylvinyl ether	ND	13	ug/L	25.00	06/23/2000 01:54	
trans-1,3-Dichloropropene	ND	13	ug/L	25.00	06/23/2000 01:54	
cis-1,3-Dichloropropene	ND	13	ug/L	25.00	06/23/2000 01:54	
1,1,2-Trichloroethane	ND	13	ug/L	25.00	06/23/2000 01:54	
Tetrachloroethene	ND	13	ug/L	25.00	06/23/2000 01:54	
Dibromochloromethane	ND	13	ug/L	25.00	06/23/2000 01:54	
Chlorobenzene	ND	13	ug/L	25.00	06/23/2000 01:54	
Bromoform	ND	50	ug/L	25.00	06/23/2000 01:54	
1,1,2,2-Tetrachloroethane	ND	13	ug/L	25.00	06/23/2000 01:54	
1,3-Dichlorobenzene	ND	13	ug/L	25.00	06/23/2000 01:54	
1,4-Dichlorobenzene	ND	13	ug/L	25.00	06/23/2000 01:54	
1,2-Dichlorobenzene	ND	13	ug/L	25.00	06/23/2000 01:54	
Trichlorotrifluoroethane	ND	50	ug/L	25.00	06/23/2000 01:54	
Chloromethane	ND	25	ug/L	25.00	06/23/2000 01:54	
Bromomethane	ND	25	ug/L	25.00	06/23/2000 01:54	
Surrogate(s)						
1-Chloro-2-fluorobenzene	73.5	50-150	%	1.00	06/23/2000 01:54	

To: **Clayton**
Attn.: Marc Mullaney

Test Method: 8010
Prep Method: 5030

Halogenated Volatile Organic Compounds

Sample ID:	**MW-4**	Lab Sample ID:	**2000-06-0351-005**
Project:	70-97066	Received:	06/16/2000 14:05
		Extracted:	06/23/2000 02:45
Sampled:	06/15/2000 16:30	QC-Batch:	2000/06/22-01.25
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	1.00	06/23/2000 02:45	
Vinyl chloride	ND	0.50	ug/L	1.00	06/23/2000 02:45	
Chloroethane	ND	0.50	ug/L	1.00	06/23/2000 02:45	
Trichlorofluoromethane	ND	0.50	ug/L	1.00	06/23/2000 02:45	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	06/23/2000 02:45	
Methylene chloride	ND	5.0	ug/L	1.00	06/23/2000 02:45	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	06/23/2000 02:45	
cis-1,2-Dichloroethene	2.1	0.50	ug/L	1.00	06/23/2000 02:45	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	06/23/2000 02:45	
Chloroform	ND	0.50	ug/L	1.00	06/23/2000 02:45	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	06/23/2000 02:45	
Carbon tetrachloride	ND	0.50	ug/L	1.00	06/23/2000 02:45	
1,2-Dichloroethane	0.88	0.50	ug/L	1.00	06/23/2000 02:45	
Trichloroethene	ND	0.50	ug/L	1.00	06/23/2000 02:45	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	06/23/2000 02:45	
Bromodichloromethane	ND	0.50	ug/L	1.00	06/23/2000 02:45	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	06/23/2000 02:45	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	06/23/2000 02:45	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	06/23/2000 02:45	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	06/23/2000 02:45	
Tetrachloroethene	ND	0.50	ug/L	1.00	06/23/2000 02:45	
Dibromochloromethane	ND	0.50	ug/L	1.00	06/23/2000 02:45	
Chlorobenzene	ND	0.50	ug/L	1.00	06/23/2000 02:45	
Bromoform	ND	2.0	ug/L	1.00	06/23/2000 02:45	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	06/23/2000 02:45	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	06/23/2000 02:45	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	06/23/2000 02:45	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	06/23/2000 02:45	
Trichlorotrifluoroethane	ND	2.0	ug/L	1.00	06/23/2000 02:45	
Chloromethane	ND	1.0	ug/L	1.00	06/23/2000 02:45	
Bromomethane	ND	1.0	ug/L	1.00	06/23/2000 02:45	
Surrogate(s)						
1-Chloro-2-fluorobenzene	65.8	50-150	%	1.00	06/23/2000 02:45	

To: **Clayton**
Attn.: Marc Mullaney

Test Method: 8010
Prep Method: 5030

Batch QC Report
Halogenated Volatile Organic Compounds

Method Blank | **Water** | **QC Batch # 2000/06/21-01.26**

MB: 2000/06/21-01.26-001 | Date Extracted: 06/21/2000 08:59

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	06/21/2000 08:59	
Vinyl chloride	ND	0.5	ug/L	06/21/2000 08:59	
Chloroethane	ND	0.5	ug/L	06/21/2000 08:59	
Trichlorofluoromethane	ND	0.5	ug/L	06/21/2000 08:59	
1,1-Dichloroethene	ND	0.5	ug/L	06/21/2000 08:59	
Methylene chloride	ND	5.0	ug/L	06/21/2000 08:59	
trans-1,2-Dichloroethene	ND	0.5	ug/L	06/21/2000 08:59	
cis-1,2-Dichloroethene	ND	0.5	ug/L	06/21/2000 08:59	
1,1-Dichloroethane	ND	0.5	ug/L	06/21/2000 08:59	
Chloroform	ND	0.5	ug/L	06/21/2000 08:59	
1,1,1-Trichloroethane	ND	0.5	ug/L	06/21/2000 08:59	
Carbon tetrachloride	ND	0.5	ug/L	06/21/2000 08:59	
1,2-Dichloroethane	ND	0.5	ug/L	06/21/2000 08:59	
Trichloroethene	ND	0.5	ug/L	06/21/2000 08:59	
1,2-Dichloropropane	ND	0.5	ug/L	06/21/2000 08:59	
Bromodichloromethane	ND	0.5	ug/L	06/21/2000 08:59	
2-Chloroethylvinyl ether	ND	0.5	ug/L	06/21/2000 08:59	
trans-1,3-Dichloropropene	ND	0.5	ug/L	06/21/2000 08:59	
cis-1,3-Dichloropropene	ND	0.5	ug/L	06/21/2000 08:59	
1,1,2-Trichloroethane	ND	0.5	ug/L	06/21/2000 08:59	
Tetrachloroethene	ND	0.5	ug/L	06/21/2000 08:59	
Dibromochloromethane	ND	0.5	ug/L	06/21/2000 08:59	
Chlorobenzene	ND	0.5	ug/L	06/21/2000 08:59	
Bromoform	ND	2.0	ug/L	06/21/2000 08:59	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	06/21/2000 08:59	
1,3-Dichlorobenzene	ND	0.5	ug/L	06/21/2000 08:59	
1,4-Dichlorobenzene	ND	0.5	ug/L	06/21/2000 08:59	
1,2-Dichlorobenzene	ND	0.5	ug/L	06/21/2000 08:59	
Trichlorotrifluoroethane	ND	2.0	ug/L	06/21/2000 08:59	
Chloromethane	ND	1.0	ug/L	06/21/2000 08:59	
Bromomethane	ND	1.0	ug/L	06/21/2000 08:59	
Surrogate(s)					
1-Chloro-2-fluorobenzene	78.0	50-150	%	06/21/2000 08:59	

To: **Clayton**
Attn.: Marc Mullaney

Test Method: 8010
Prep Method: 5030

Batch QC Report
Halogenated Volatile Organic Compounds

Method Blank | **Water** | **QC Batch # 2000/06/22-01.25**

MB: 2000/06/22-01.25-001 | Date Extracted: 06/22/2000 09:14

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	06/22/2000 09:14	
Vinyl chloride	ND	0.5	ug/L	06/22/2000 09:14	
Chloroethane	ND	0.5	ug/L	06/22/2000 09:14	
Trichlorofluoromethane	ND	0.5	ug/L	06/22/2000 09:14	
1,1-Dichloroethene	ND	0.5	ug/L	06/22/2000 09:14	
Methylene chloride	ND	5.0	ug/L	06/22/2000 09:14	
trans-1,2-Dichloroethene	ND	0.5	ug/L	06/22/2000 09:14	
cis-1,2-Dichloroethene	ND	0.5	ug/L	06/22/2000 09:14	
1,1-Dichloroethane	ND	0.5	ug/L	06/22/2000 09:14	
Chloroform	ND	0.5	ug/L	06/22/2000 09:14	
1,1,1-Trichloroethane	ND	0.5	ug/L	06/22/2000 09:14	
Carbon tetrachloride	ND	0.5	ug/L	06/22/2000 09:14	
1,2-Dichloroethane	ND	0.5	ug/L	06/22/2000 09:14	
Trichloroethene	ND	0.5	ug/L	06/22/2000 09:14	
1,2-Dichloropropane	ND	0.5	ug/L	06/22/2000 09:14	
Bromodichloromethane	ND	0.5	ug/L	06/22/2000 09:14	
2-Chloroethylvinyl ether	ND	0.5	ug/L	06/22/2000 09:14	
trans-1,3-Dichloropropene	ND	0.5	ug/L	06/22/2000 09:14	
cis-1,3-Dichloropropene	ND	0.5	ug/L	06/22/2000 09:14	
1,1,2-Trichloroethane	ND	0.5	ug/L	06/22/2000 09:14	
Tetrachloroethene	ND	0.5	ug/L	06/22/2000 09:14	
Dibromochloromethane	ND	0.5	ug/L	06/22/2000 09:14	
Chlorobenzene	ND	0.5	ug/L	06/22/2000 09:14	
Bromoform	ND	2.0	ug/L	06/22/2000 09:14	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	06/22/2000 09:14	
1,3-Dichlorobenzene	ND	0.5	ug/L	06/22/2000 09:14	
1,4-Dichlorobenzene	ND	0.5	ug/L	06/22/2000 09:14	
1,2-Dichlorobenzene	ND	0.5	ug/L	06/22/2000 09:14	
Trichlorotrifluoroethane	ND	2.0	ug/L	06/22/2000 09:14	
Chloromethane	ND	1.0	ug/L	06/22/2000 09:14	
Bromomethane	ND	1.0	ug/L	06/22/2000 09:14	
Surrogate(s)					
1-Chloro-2-fluorobenzene	72.0	50-150	%	06/22/2000 09:14	

To: **Clayton**
Attn: Marc Mullaney

Test Method: 8010
Prep Method: 5030

Batch QC Report

Halogenated Volatile Organic Compounds

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2000/06/21-01.26**

LCS: 2000/06/21-01.26-002 Extracted: 06/21/2000 09:45 Analyzed 06/21/2000 09:45
LCSD: 2000/06/21-01.26-003 Extracted: 06/21/2000 10:30 Analyzed 06/21/2000 10:30

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
1,1-Dichloroethene	15.4	14.4	20.0	20.0	77.0	72.0	6.7	50-140	20		
Trichloroethene	16.5	15.5	20.0	20.0	82.5	77.5	6.3	50-150	20		
Chlorobenzene	20.8	20.6	20.0	20.0	104.0	103.0	1.0	50-150	20		
Surrogate(s)											
1-Chloro-2-fluorobenzene	18.9	19.6	20	20	94.5	98.0		50-150			

To: **Clayton**

Attn: Marc Mullaney

Test Method: 8010

Prep Method: 5030

Batch QC Report

Halogenated Volatile Organic Compounds

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2000/06/22-01.25**

LCS: 2000/06/22-01.25-002 Extracted: 06/22/2000 10:00 Analyzed 06/22/2000 10:00

LCSD: 2000/06/22-01.25-003 Extracted: 06/22/2000 10:46 Analyzed 06/22/2000 10:46

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
1,1-Dichloroethene	17.6	18.0	20.0	20.0	88.0	90.0	2.2	50-140	20		
Trichloroethene	18.9	19.3	20.0	20.0	94.5	96.5	2.1	50-150	20		
Chlorobenzene	18.8	19.2	20.0	20.0	94.0	96.0	2.1	50-150	20		
Surrogate(s)											
1-Chloro-2-fluorobenzene	16.5	16.8	20	20	82.5	84.0		50-150			

To: **Clayton**
Attn:Marc Mullaney

Test Method: 8010
Prep Method: 5030

Legend & Notes

Halogenated Volatile Organic Compounds

Analysis Flags

lrn

Reporting limits raised due to high level of non-target analyte materials.

o

Reporting limits were raised due to high level of analyte present in the sample.

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0351

Gas/BTEX

Clayton

6920 Koll Center Parkway
Suite 216
Pleasanton, CA 94566-4756

Attn: Marc Mullaney

Phone: (925) 426-2656 Fax: (925) 426-0106

Project #: 70-97066

Project:

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-1	Water	06/15/2000 15:50	1
MW-6	Water	06/15/2000 15:30	2
MW-7	Water	06/15/2000 16:05	3
MW-8	Water	06/15/2000 16:20	4
MW-4	Water	06/15/2000 16:30	5

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0351

To: **Clayton**

Attn.: Marc Mullaney

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**MW-1**	Lab Sample ID:	**2000-06-0351-001**
Project:	70-97066	Received:	06/16/2000 14:05
		Extracted:	06/22/2000 22:03
Sampled:	06/15/2000 15:50	QC-Batch:	2000/06/22-01.04
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	29000	10000	ug/L	200.00	06/22/2000 22:03	
Benzene	3900	100	ug/L	200.00	06/22/2000 22:03	
Toluene	1900	100	ug/L	200.00	06/22/2000 22:03	
Ethyl benzene	ND	100	ug/L	200.00	06/22/2000 22:03	
Xylene(s)	4200	100	ug/L	200.00	06/22/2000 22:03	
Surrogate(s)						
Trifluorotoluene	112.2	58-124	%	1.00	06/22/2000 22:03	
Trifluorotoluene-FID	66.1	58-124	%	1.00	06/22/2000 22:03	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0351

To: **Clayton**

Attn.: Marc Mullaney

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**MW-6**	Lab Sample ID:	**2000-06-0351-002**
Project:	70-97066	Received:	06/16/2000 14:05
		Extracted:	06/22/2000 22:58
Sampled:	06/15/2000 15:30	QC-Batch:	2000/06/22-01.04
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	1100	50	ug/L	1.00	06/22/2000 22:58	
Benzene	3.8	0.50	ug/L	1.00	06/22/2000 22:58	
Toluene	2.1	0.50	ug/L	1.00	06/22/2000 22:58	
Ethyl benzene	2.2	0.50	ug/L	1.00	06/22/2000 22:58	
Xylene(s)	4.8	0.50	ug/L	1.00	06/22/2000 22:58	
Surrogate(s)						
Trifluorotoluene	95.0	58-124	%	1.00	06/22/2000 22:58	
Trifluorotoluene-FID	95.6	58-124	%	1.00	06/22/2000 22:58	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0351

To: **Clayton**

Attn.: Marc Mullaney

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**MW-7**	Lab Sample ID:	**2000-06-0351-003**
Project:	70-97066	Received:	06/16/2000 14:05
		Extracted:	06/22/2000 22:31
Sampled:	06/15/2000 16:05	QC-Batch:	2000/06/22-01.04
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	1000	1000	ug/L	20.00	06/22/2000 22:31	
Benzene	250	10	ug/L	20.00	06/22/2000 22:31	
Toluene	ND	10	ug/L	20.00	06/22/2000 22:31	
Ethyl benzene	ND	10	ug/L	20.00	06/22/2000 22:31	
Xylene(s)	16	10	ug/L	20.00	06/22/2000 22:31	
Surrogate(s)						
Trifluorotoluene	108.5	58-124	%	1.00	06/22/2000 22:31	
Trifluorotoluene-FID	65.0	58-124	%	1.00	06/22/2000 22:31	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0351

To: **Clayton**

Attn.: Marc Mullaney

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**MW-8**	Lab Sample ID:	**2000-06-0351-004**
Project:	70-97066	Received:	06/16/2000 14:05
		Extracted:	06/21/2000 18:04
Sampled:	06/15/2000 16:20	QC-Batch:	2000/06/21-01.04
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	5400	500	ug/L	10.00	06/21/2000 18:04	
Benzene	150	5.0	ug/L	10.00	06/21/2000 18:04	
Toluene	8.9	5.0	ug/L	10.00	06/21/2000 18:04	
Ethyl benzene	ND	5.0	ug/L	10.00	06/21/2000 18:04	
Xylene(s)	8.7	5.0	ug/L	10.00	06/21/2000 18:04	
Surrogate(s)						
Trifluorotoluene	106.5	58-124	%	1.00	06/21/2000 18:04	
4-Bromofluorobenzene-FID	57.8	50-150	%	1.00	06/21/2000 18:04	

To: **Clayton**

Attn.: Marc Mullaney

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**MW-4**	Lab Sample ID:	**2000-06-0351-005**
Project:	70-97066	Received:	06/16/2000 14:05
		Extracted:	06/21/2000 18:32
Sampled:	06/15/2000 16:30	QC-Batch:	2000/06/21-01.04
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	2300	500	ug/L	10.00	06/21/2000 18:32	
Benzene	230	5.0	ug/L	10.00	06/21/2000 18:32	
Toluene	10	5.0	ug/L	10.00	06/21/2000 18:32	
Ethyl benzene	ND	5.0	ug/L	10.00	06/21/2000 18:32	
Xylene(s)	94	5.0	ug/L	10.00	06/21/2000 18:32	
Surrogate(s)						
Trifluorotoluene	109.7	58-124	%	1.00	06/21/2000 18:32	
4-Bromofluorobenzene-FID	56.6	50-150	%	1.00	06/21/2000 18:32	

To: **Clayton**

Attn.: Marc Mullaney

Test Method: 8020
8015M

Prep Method: 5030

Batch QC Report
Gas/BTEX

Method Blank | **Water** | **QC Batch # 2000/06/21-01.04**

MB: 2000/06/21-01.04-001

Date Extracted: 06/21/2000 08:52

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	06/21/2000 08:52	
Benzene	ND	0.5	ug/L	06/21/2000 08:52	
Toluene	ND	0.5	ug/L	06/21/2000 08:52	
Ethyl benzene	ND	0.5	ug/L	06/21/2000 08:52	
Xylene(s)	ND	0.5	ug/L	06/21/2000 08:52	
Surrogate(s)					
Trifluorotoluene	98.6	58-124	%	06/21/2000 08:52	
Trifluorotoluene-FID	67.2	58-124	%	06/21/2000 08:52	

To: **Clayton**

Attn.: Marc Mullaney

Test Method: 8020
8015M

Prep Method: 5030

Batch QC Report
Gas/BTEX

Method Blank | **Water** | **QC Batch # 2000/06/22-01.04**

MB: 2000/06/22-01.04-001

Date Extracted: 06/22/2000 14:25

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	06/22/2000 14:25	
Benzene	ND	0.5	ug/L	06/22/2000 14:25	
Toluene	ND	0.5	ug/L	06/22/2000 14:25	
Ethyl benzene	ND	0.5	ug/L	06/22/2000 14:25	
Xylene(s)	ND	0.5	ug/L	06/22/2000 14:25	
Surrogate(s)					
Trifluorotoluene	101.4	58-124	%	06/22/2000 14:25	
Trifluorotoluene-FID	65.2	58-124	%	06/22/2000 14:25	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0351

To: **Clayton**

Attn: Marc Mullaney

Test Method: 8020
8015M

Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2000/06/21-01.04**

LCS: 2000/06/21-01.04-002 Extracted: 06/21/2000 09:20 Analyzed 06/21/2000 09:20

LCSD: 2000/06/21-01.04-003 Extracted: 06/21/2000 09:48 Analyzed 06/21/2000 09:48

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	560	547	500	500	112.0	109.4	2.3	75-125	20		
Benzene	109	92.1	100.0	100.0	109.0	92.1	16.8	77-123	20		
Toluene	102	89.5	100.0	100.0	102.0	89.5	13.1	78-122	20		
Ethyl benzene	103	87.8	100.0	100.0	103.0	87.8	15.9	70-130	20		
Xylene(s)	298	255	300	300	99.3	85.0	15.5	75-125	20		
Surrogate(s)											
Trifluorotoluene	538	469	500	500	107.6	93.8		58-124			
Trifluorotoluene-FID	356	344	500	500	71.2	68.8		58-124			

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0351

To: **Clayton**

Test Method: 8020
8015M

Attn: Marc Mullaney

Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD)	**Water**	**QC Batch # 2000/06/22-01.04**
LCS: 2000/06/22-01.04-002	Extracted: 06/22/2000 12:25	Analyzed 06/22/2000 12:25
LCSD: 2000/06/22-01.04-003	Extracted: 06/22/2000 12:52	Analyzed 06/22/2000 12:52

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	519	507	500	500	103.8	101.4	2.3	75-125	20		
Benzene	102	88.3	100.0	100.0	102.0	88.3	14.4	77-123	20		
Toluene	96.5	86.1	100.0	100.0	96.5	86.1	11.4	78-122	20		
Ethyl benzene	96.6	82.9	100.0	100.0	96.6	82.9	15.3	70-130	20		
Xylene(s)	278	241	300	300	92.7	80.3	14.3	75-125	20		
Surrogate(s)											
Trifluorotoluene	511	410	500	500	102.2	82.0		58-124			
Trifluorotoluene-FID	325	321	500	500	65.0	64.2		58-124			

2000-06-0351

5283?

Page 1 of 1

REQUEST FOR LABORATORY ANALYTICAL SERVICES

Clayton GROUP SERVICES

IMPORTANT
Date Results Requested: STAND
Rush Charges Authorized? ☐ Yes ☐ No
☐ Phone or ☐ Fax Results

For Clayton Use Only
Clayton Lab Project No.

REPORT RESULTS TO
Name: MARC MULLANEY | Client Job No.: 70-97066
Company | Dept.
Mailing Address
City, State, Zip
Telephone No.: 925-426-2656 | FAX No.

SEND INVOICE TO
Purchase Order No.
Name
Company | Dept.
Address
City, State, Zip

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

* Explanation of Preservative

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

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

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/ MEDIA	AIR VOLUME (specify units)	Number of Containers	TPHG	BTEX 8010	FOR LAB USE ONLY
MW-1	6/15/00	1530	GW		4	X	X	
MW-6	"	1530	"		4	X	X	
MW-7	"	1605	"		4	X	X	
MW-8	"	1620	"		4	X	X	
MW-4	"	1630	"		4	X	X	

CHAIN OF CUSTODY

Collected by: MARC MULLANEY (print) | Collector's Signature: Marc Mullaney
Relinquished by: Marc Mullaney | Date/Time 6/16/00 0800 | Received by: Jon Wright 1400 | Date/Time 6/16/00
Relinquished by: Jon Wright | Date/Time 6/16/00 1405 | Received by: | Date/Time
Method of Shipment: | Received at Lab by: Denise Harrington | Date/Time 6/16/00 1405

Authorized by: _____ Date _____
(Client Signature **MUST** Accompany Request)

Sample Condition Upon Receipt: ☐ Acceptable ☐ 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) 806-5887
(248) 344-1770
FAX (248) 344-2655

Atlanta Regional Lab
3380 Chastain Meadows Parkway, Suite 300
Kennesaw, GA 30144
(800) 252-9919
(770) 499-7500
FAX (770) 423-4990

Seattle Regional Lab
4636 E. Marginal Way S., Suite 215
Seattle, WA 98134
(800) 568-7755
(206) 763-7364
FAX (206) 763-4189

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

1/00 20K

CHROMALAB, INC.
Environmental Services (SDB)

Submission #: 2000-06-0582
Date: July 10, 2000

Clayton
6920 Koll Center Parkway
Suite 216
Pleasanton, CA 94566-4756

Attn.: Mr. Marc Mullaney

Project: 70-97066
Sausage Factory

Dear Marc

Attached is our report for your samples received on Thursday June 29, 2000
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after July 29, 2000 unless you have requested otherwise. We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919. You can also contact me via email. My email address is: vvancil@chromalab.com

Sincerely,

Vincent Vancil

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0582

Halogenated Volatile Organic Compounds

Clayton

6920 Koll Center Parkway
Suite 216
Pleasanton, CA 94566-4756

Attn: Marc Mullaney

Phone: (925) 426-2656 Fax: (925) 426-0106

Project #: 70-97066

Project: Sausage Factory

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-2	Water	06/29/2000 11:05	1
MW-3	Water	06/29/2000 11:00	2
MW-5	Water	06/29/2000 11:10	3

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0582

To: **Clayton**
Attn.: Marc Mullaney

Test Method: 8010
Prep Method: 5030

Halogenated Volatile Organic Compounds

Sample ID:	**MW-2**	Lab Sample ID:	**2000-06-0582-001**
Project:	70-97066 Sausage Factory	Received:	06/29/2000 14:18
		Extracted:	07/06/2000 14:39
Sampled:	06/29/2000 11:05	QC-Batch:	2000/07/06-01.26
Matrix:	Water		

Sample/Analysis Flag Im (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/L	10.00	07/06/2000 14:39	
Vinyl chloride	ND	5.0	ug/L	10.00	07/06/2000 14:39	
Chloroethane	ND	5.0	ug/L	10.00	07/06/2000 14:39	
Trichlorofluoromethane	ND	5.0	ug/L	10.00	07/06/2000 14:39	
1,1-Dichloroethene	ND	5.0	ug/L	10.00	07/06/2000 14:39	
Methylene chloride	ND	50	ug/L	10.00	07/06/2000 14:39	
trans-1,2-Dichloroethene	ND	5.0	ug/L	10.00	07/06/2000 14:39	
cis-1,2-Dichloroethene	ND	5.0	ug/L	10.00	07/06/2000 14:39	
1,1-Dichloroethane	ND	5.0	ug/L	10.00	07/06/2000 14:39	
Chloroform	ND	5.0	ug/L	10.00	07/06/2000 14:39	
1,1,1-Trichloroethane	ND	5.0	ug/L	10.00	07/06/2000 14:39	
Carbon tetrachloride	ND	5.0	ug/L	10.00	07/06/2000 14:39	
1,2-Dichloroethane	25	5.0	ug/L	10.00	07/06/2000 14:39	
Trichloroethene	ND	5.0	ug/L	10.00	07/06/2000 14:39	
1,2-Dichloropropane	ND	5.0	ug/L	10.00	07/06/2000 14:39	
Bromodichloromethane	ND	5.0	ug/L	10.00	07/06/2000 14:39	
2-Chloroethylvinyl ether	ND	5.0	ug/L	10.00	07/06/2000 14:39	
trans-1,3-Dichloropropene	ND	5.0	ug/L	10.00	07/06/2000 14:39	
cis-1,3-Dichloropropene	ND	5.0	ug/L	10.00	07/06/2000 14:39	
1,1,2-Trichloroethane	ND	5.0	ug/L	10.00	07/06/2000 14:39	
Tetrachloroethene	ND	5.0	ug/L	10.00	07/06/2000 14:39	
Dibromochloromethane	ND	5.0	ug/L	10.00	07/06/2000 14:39	
Chlorobenzene	ND	5.0	ug/L	10.00	07/06/2000 14:39	
Bromoform	ND	20	ug/L	10.00	07/06/2000 14:39	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	10.00	07/06/2000 14:39	
1,3-Dichlorobenzene	ND	5.0	ug/L	10.00	07/06/2000 14:39	
1,4-Dichlorobenzene	ND	5.0	ug/L	10.00	07/06/2000 14:39	
1,2-Dichlorobenzene	ND	5.0	ug/L	10.00	07/06/2000 14:39	
Trichlorotrifluoroethane	ND	20	ug/L	10.00	07/06/2000 14:39	
Chloromethane	ND	10	ug/L	10.00	07/06/2000 14:39	
Bromomethane	ND	10	ug/L	10.00	07/06/2000 14:39	
Surrogate(s)						
1-Chloro-2-fluorobenzene	88.4	50-150	%	1.00	07/06/2000 14:39	

To: **Clayton**
Attn.: Marc Mullaney

Test Method: 8010
Prep Method: 5030

Halogenated Volatile Organic Compounds

Sample ID:	**MW-3**	Lab Sample ID:	**2000-06-0582-002**
Project:	70-97066 Sausage Factory	Received:	06/29/2000 14:18
		Extracted:	07/06/2000 15:22
Sampled:	06/29/2000 11:00	QC-Batch:	2000/07/06-01.26
Matrix:	Water		

Sample/Analysis Flag o (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/L	10.00	07/06/2000 15:22	
Vinyl chloride	ND	5.0	ug/L	10.00	07/06/2000 15:22	
Chloroethane	ND	5.0	ug/L	10.00	07/06/2000 15:22	
Trichlorofluoromethane	ND	5.0	ug/L	10.00	07/06/2000 15:22	
1,1-Dichloroethene	ND	5.0	ug/L	10.00	07/06/2000 15:22	
Methylene chloride	ND	50	ug/L	10.00	07/06/2000 15:22	
trans-1,2-Dichloroethene	ND	5.0	ug/L	10.00	07/06/2000 15:22	
cis-1,2-Dichloroethene	ND	5.0	ug/L	10.00	07/06/2000 15:22	
1,1-Dichloroethane	ND	5.0	ug/L	10.00	07/06/2000 15:22	
Chloroform	ND	5.0	ug/L	10.00	07/06/2000 15:22	
1,1,1-Trichloroethane	ND	5.0	ug/L	10.00	07/06/2000 15:22	
Carbon tetrachloride	ND	5.0	ug/L	10.00	07/06/2000 15:22	
1,2-Dichloroethane	600	5.0	ug/L	10.00	07/06/2000 15:22	
Trichloroethene	ND	5.0	ug/L	10.00	07/06/2000 15:22	
1,2-Dichloropropane	ND	5.0	ug/L	10.00	07/06/2000 15:22	
Bromodichloromethane	ND	5.0	ug/L	10.00	07/06/2000 15:22	
2-Chloroethylvinyl ether	ND	5.0	ug/L	10.00	07/06/2000 15:22	
trans-1,3-Dichloropropene	ND	5.0	ug/L	10.00	07/06/2000 15:22	
cis-1,3-Dichloropropene	ND	5.0	ug/L	10.00	07/06/2000 15:22	
1,1,2-Trichloroethane	ND	5.0	ug/L	10.00	07/06/2000 15:22	
Tetrachloroethene	ND	5.0	ug/L	10.00	07/06/2000 15:22	
Dibromochloromethane	ND	5.0	ug/L	10.00	07/06/2000 15:22	
Chlorobenzene	ND	5.0	ug/L	10.00	07/06/2000 15:22	
Bromoform	ND	20	ug/L	10.00	07/06/2000 15:22	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	10.00	07/06/2000 15:22	
1,3-Dichlorobenzene	ND	5.0	ug/L	10.00	07/06/2000 15:22	
1,4-Dichlorobenzene	ND	5.0	ug/L	10.00	07/06/2000 15:22	
1,2-Dichlorobenzene	ND	5.0	ug/L	10.00	07/06/2000 15:22	
Trichlorotrifluoroethane	ND	20	ug/L	10.00	07/06/2000 15:22	
Chloromethane	ND	10	ug/L	10.00	07/06/2000 15:22	
Bromomethane	ND	10	ug/L	10.00	07/06/2000 15:22	
Surrogate(s)						
1-Chloro-2-fluorobenzene	93.2	50-150	%	1.00	07/06/2000 15:22	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0582

To: **Clayton**
Attn.: Marc Mullaney

Test Method: 8010
Prep Method: 5030

Halogenated Volatile Organic Compounds

Sample ID:	**MW-5**	Lab Sample ID:	**2000-06-0582-003**
Project:	70-97066 Sausage Factory	Received:	06/29/2000 14:18
		Extracted:	07/06/2000 16:06
Sampled:	06/29/2000 11:10	QC-Batch:	2000/07/06-01.26
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	1.00	07/06/2000 16:06	
Vinyl chloride	ND	0.50	ug/L	1.00	07/06/2000 16:06	
Chloroethane	ND	0.50	ug/L	1.00	07/06/2000 16:06	
Trichlorofluoromethane	ND	0.50	ug/L	1.00	07/06/2000 16:06	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	07/06/2000 16:06	
Methylene chloride	ND	5.0	ug/L	1.00	07/06/2000 16:06	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	07/06/2000 16:06	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	07/06/2000 16:06	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	07/06/2000 16:06	
Chloroform	ND	0.50	ug/L	1.00	07/06/2000 16:06	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	07/06/2000 16:06	
Carbon tetrachloride	ND	0.50	ug/L	1.00	07/06/2000 16:06	
1,2-Dichloroethane	36	0.50	ug/L	1.00	07/06/2000 16:06	
Trichloroethene	ND	0.50	ug/L	1.00	07/06/2000 16:06	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	07/06/2000 16:06	
Bromodichloromethane	ND	0.50	ug/L	1.00	07/06/2000 16:06	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	07/06/2000 16:06	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	07/06/2000 16:06	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	07/06/2000 16:06	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	07/06/2000 16:06	
Tetrachloroethene	ND	0.50	ug/L	1.00	07/06/2000 16:06	
Dibromochloromethane	ND	0.50	ug/L	1.00	07/06/2000 16:06	
Chlorobenzene	ND	0.50	ug/L	1.00	07/06/2000 16:06	
Bromoform	ND	2.0	ug/L	1.00	07/06/2000 16:06	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	07/06/2000 16:06	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	07/06/2000 16:06	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	07/06/2000 16:06	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	07/06/2000 16:06	
Trichlorotrifluoroethane	ND	2.0	ug/L	1.00	07/06/2000 16:06	
Chloromethane	ND	1.0	ug/L	1.00	07/06/2000 16:06	
Bromomethane	ND	1.0	ug/L	1.00	07/06/2000 16:06	
Surrogate(s)						
1-Chloro-2-fluorobenzene	82.2	50-150	%	1.00	07/06/2000 16:06	

To: **Clayton**
Attn.: Marc Mullaney

Test Method: 8010
Prep Method: 5030

Batch QC Report
Halogenated Volatile Organic Compounds

Method Blank | **Water** | **QC Batch # 2000/07/06-01.26**

MB: 2000/07/06-01.26-001 | Date Extracted: 07/06/2000 09:34

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	07/06/2000 09:34	
Vinyl chloride	ND	0.5	ug/L	07/06/2000 09:34	
Chloroethane	ND	0.5	ug/L	07/06/2000 09:34	
Trichlorofluoromethane	ND	0.5	ug/L	07/06/2000 09:34	
1,1-Dichloroethene	ND	0.5	ug/L	07/06/2000 09:34	
Methylene chloride	ND	5.0	ug/L	07/06/2000 09:34	
trans-1,2-Dichloroethene	ND	0.5	ug/L	07/06/2000 09:34	
cis-1,2-Dichloroethene	ND	0.5	ug/L	07/06/2000 09:34	
1,1-Dichloroethane	ND	0.5	ug/L	07/06/2000 09:34	
Chloroform	ND	0.5	ug/L	07/06/2000 09:34	
1,1,1-Trichloroethane	ND	0.5	ug/L	07/06/2000 09:34	
Carbon tetrachloride	ND	0.5	ug/L	07/06/2000 09:34	
1,2-Dichloroethane	ND	0.5	ug/L	07/06/2000 09:34	
Trichloroethene	ND	0.5	ug/L	07/06/2000 09:34	
1,2-Dichloropropane	ND	0.5	ug/L	07/06/2000 09:34	
Bromodichloromethane	ND	0.5	ug/L	07/06/2000 09:34	
2-Chloroethylvinyl ether	ND	0.5	ug/L	07/06/2000 09:34	
trans-1,3-Dichloropropene	ND	0.5	ug/L	07/06/2000 09:34	
cis-1,3-Dichloropropene	ND	0.5	ug/L	07/06/2000 09:34	
1,1,2-Trichloroethane	ND	0.5	ug/L	07/06/2000 09:34	
Tetrachloroethene	ND	0.5	ug/L	07/06/2000 09:34	
Dibromochloromethane	ND	0.5	ug/L	07/06/2000 09:34	
Chlorobenzene	ND	0.5	ug/L	07/06/2000 09:34	
Bromoform	ND	2.0	ug/L	07/06/2000 09:34	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	07/06/2000 09:34	
1,3-Dichlorobenzene	ND	0.5	ug/L	07/06/2000 09:34	
1,4-Dichlorobenzene	ND	0.5	ug/L	07/06/2000 09:34	
1,2-Dichlorobenzene	ND	0.5	ug/L	07/06/2000 09:34	
Trichlorotrifluoroethane	ND	2.0	ug/L	07/06/2000 09:34	
Chloromethane	ND	1.0	ug/L	07/06/2000 09:34	
Bromomethane	ND	1.0	ug/L	07/06/2000 09:34	
Surrogate(s)					
1-Chloro-2-fluorobenzene	99.0	50-150	%	07/06/2000 09:34	

To: **Clayton**
Attn: Marc Mullaney

Test Method: 8010
Prep Method: 5030

Batch QC Report

Halogenated Volatile Organic Compounds

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2000/07/06-01.26**

LCS: 2000/07/06-01.26-002 Extracted: 07/06/2000 10:18 Analyzed 07/06/2000 10:18
LCSD: 2000/07/06-01.26-003 Extracted: 07/06/2000 11:01 Analyzed 07/06/2000 11:01

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
1,1-Dichloroethene	23.1	23.6	20.0	20.0	115.5	118.0	2.1	50-140	20		
Trichloroethene	20.0	20.9	20.0	20.0	100.0	104.5	4.4	50-150	20		
Chlorobenzene	21.0	22.1	20.0	20.0	105.0	110.5	5.1	50-150	20		
Surrogate(s)											
1-Chloro-2-fluorobenzene	18.7	18.6	20	20	93.5	93.0		50-150			

To: **Clayton**
Attn:Marc Mullaney

Test Method: 8010
Prep Method: 5030

Legend & Notes

Halogenated Volatile Organic Compounds

Analysis Flags

lm

Reporting limits raised due to high level of non-target analyte materials.

o

Reporting limits were raised due to high level of analyte present in the sample.

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0582

Gas/BTEX

Clayton

6920 Koll Center Parkway
Suite 216
Pleasanton, CA 94566-4756

Attn: Marc Mullaney

Phone: (925) 426-2656 Fax: (925) 426-0106

Project #: 70-97066

Project: Sausage Factory

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-2	Water	06/29/2000 11:05	1
MW-3	Water	06/29/2000 11:00	2
MW-5	Water	06/29/2000 11:10	3

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0582

To: **Clayton**

Attn.: Marc Mullaney

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**MW-2**	Lab Sample ID:	**2000-06-0582-001**
Project:	70-97066 Sausage Factory	Received:	06/29/2000 14:18
		Extracted:	07/07/2000 04:46
Sampled:	06/29/2000 11:05	QC-Batch:	2000/07/06-01.05
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	31000	2500	ug/L	50.00	07/07/2000 04:46	
Benzene	11000	25	ug/L	50.00	07/07/2000 04:46	
Toluene	4400	25	ug/L	50.00	07/07/2000 04:46	
Ethyl benzene	930	25	ug/L	50.00	07/07/2000 04:46	
Xylene(s)	250	25	ug/L	50.00	07/07/2000 04:46	
Surrogate(s)						
Trifluorotoluene	85.9	58-124	%	1.00	07/07/2000 04:46	
4-Bromofluorobenzene-FID	73.6	50-150	%	1.00	07/07/2000 04:46	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0582

To: **Clayton**

Attn.: Marc Mullaney

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**MW-3**	Lab Sample ID:	**2000-06-0582-002**
Project:	70-97066 Sausage Factory	Received:	06/29/2000 14:18
		Extracted:	07/07/2000 14:21
Sampled:	06/29/2000 11:00	QC-Batch:	2000/07/07-01.05
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	39000	5000	ug/L	100.00	07/07/2000 14:21	
Benzene	7800	50	ug/L	100.00	07/07/2000 14:21	
Toluene	8000	50	ug/L	100.00	07/07/2000 14:21	
Ethyl benzene	630	50	ug/L	100.00	07/07/2000 14:21	
Xylene(s)	3400	50	ug/L	100.00	07/07/2000 14:21	
Surrogate(s)						
Trifluorotoluene	84.5	58-124	%	1.00	07/07/2000 14:21	
4-Bromofluorobenzene-FID	75.7	50-150	%	1.00	07/07/2000 14:21	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0582

To: **Clayton**

Attn.: Marc Mullaney

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**MW-5**	Lab Sample ID:	**2000-06-0582-003**
Project:	70-97066 Sausage Factory	Received:	06/29/2000 14:18
		Extracted:	07/07/2000 05:49
Sampled:	06/29/2000 11:10	QC-Batch:	2000/07/06-01.05
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	3900	500	ug/L	10.00	07/07/2000 05:49	
Benzene	1500	5.0	ug/L	10.00	07/07/2000 05:49	
Toluene	330	5.0	ug/L	10.00	07/07/2000 05:49	
Ethyl benzene	28	5.0	ug/L	10.00	07/07/2000 05:49	
Xylene(s)	260	5.0	ug/L	10.00	07/07/2000 05:49	
Surrogate(s)						
Trifluorotoluene	76.7	58-124	%	1.00	07/07/2000 05:49	
4-Bromofluorobenzene-FID	71.8	50-150	%	1.00	07/07/2000 05:49	

To: **Clayton**

Attn.: Marc Mullaney

Test Method: 8020
8015M

Prep Method: 5030

Batch QC Report
Gas/BTEX

Method Blank | **Water** | **QC Batch # 2000/07/06-01.05**

MB: 2000/07/06-01.05-001 | Date Extracted: 07/06/2000 13:01

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	07/06/2000 13:01	
Benzene	ND	0.5	ug/L	07/06/2000 13:01	
Toluene	ND	0.5	ug/L	07/06/2000 13:01	
Ethyl benzene	ND	0.5	ug/L	07/06/2000 13:01	
Xylene(s)	ND	0.5	ug/L	07/06/2000 13:01	
Surrogate(s)					
4-Bromofluorobenzene-FID	53.4	50-150	%	07/06/2000 13:01	

CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0582

To: **Clayton**

Attn: Marc Mullaney

Test Method: 8020
8015M

Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2000/07/07-01.05**

LCS: 2000/07/07-01.05-002 Extracted: 07/07/2000 12:15 Analyzed 07/07/2000 12:15

LCSD: 2000/07/07-01.05-003 Extracted: 07/07/2000 12:47 Analyzed 07/07/2000 12:47

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	437	438	500	500	87.4	87.6	0.2	75-125	20		
Benzene	88.2	88.4	100.0	100.0	88.2	88.4	0.2	77-123	20		
Toluene	85.0	84.4	100.0	100.0	85.0	84.4	0.7	78-122	20		
Ethyl benzene	88.1	87.8	100.0	100.0	88.1	87.8	0.3	70-130	20		
Xylene(s)	259	260	300	300	86.3	86.7	0.5	75-125	20		
Surrogate(s)											
Trifluorotoluene	402	399	500	500	80.4	79.8		58-124			
4-Bromofluorobenzene-FI	366	365	500	500	73.2	73.0		50-150			

CHROMALAB, INC.

2000-06-0582

Reference #: [redacted]

1220 Quarry Lane • Pleasanton, California 94566-4756
(925) 484-1919 • Fax (925) 484-1096

Environmental Services (SDB) (DOHS 1094)

Chain of Custody

DATE 6/29/00 PAGE 1 OF 1

PROJ. MGR MULLANEY, MARC
COMPANY CLAYTON
ADDRESS
SAMPLERS (SIGNATURE) Marc Mullaney (PHONE NO.) (FAX NO.)

SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.	TPH-(EPA 8015,8020) ☐ Gas w/ BTEX ☐MTBE	PURGEABLE AROMATICS BTEX (EPA 8020)	TPH-Diesel (EPA 8015M)	TEPH (EPA 8015M) ☐ Diesel ☐ M.O. ☐ Other	PURGEABLE HALOCARBONS (HVOCs) (EPA 8010)	VOLATILE ORGANICS (VOCs) (EPA 8260)	SEMIVOLATILES (EPA 8270)	Oil & Grease ☐ Petrol ☐ Total ☐ 1664		☐ PESTICIDES(EPA 8080) ☐ PCB'S (EPA 8080)	PNA's by ☐ 8270 ☐ 8310	☐ Spec. Cond. ☐ TSS ☐ TDS	LUFT METALS: Cd, Cr, Pb, Ni, Zn	CAM 17 METALS (EPA 6010/7470/7471)	TOTAL LEAD	☐ W.E.T. (STLC) ☐ TCLP	☐ Hexavalent Chromium ☐ pH (24 hr hold time for H20)				NUMBER OF CONTAINERS
MW-2	6/29/00	1105	GW		X				X																4
MW-3	"	1100	"		X				X																4
MW-5	"	1110	"		X				X																3

PROJECT INFORMATION

PROJECT NAME: SAUSAGE FACTORY
PROJECT NUMBER: 70-97066
P.O. #

TAT: (STANDARD 5-DAY) | | | 24 | 48 | 72 | OTHER

SPECIAL INSTRUCTIONS/COMMENTS:
Report: ☐ Routine ☐ Level 2 ☐ Level 3 ☐ Level 4 ☐ Electronic Report

SAMPLE RECEIPT

TOTAL NO. OF CONTAINERS	11
HEAD SPACE	
TEMPERATURE	
CONFORMS TO RECORD	

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY 3.
(SIGNATURE) Marc Mullaney (TIME) 1418	(SIGNATURE) (TIME)	(SIGNATURE) (TIME)
(PRINTED NAME) MARC MULLANEY (DATE) 6/29/00	(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)
(COMPANY) CLAYTON	(COMPANY)	(COMPANY)
RECEIVED BY 1.	**RECEIVED BY 2.**	**RECEIVED BY (LABORATORY) 3**
(SIGNATURE) (TIME)	(SIGNATURE) (TIME)	(SIGNATURE) Denise Harrington (TIME)
(PRINTED NAME) (DATE)	(PRINTED NAME) (DATE)	(PRINTED NAME) D. Harrington (DATE) 1418
(COMPANY)	(COMPANY)	(LAB) Chromalab 6/29/00

Clayton GROUP SERVICES

APPENDIX H

BIO-ASSESSMENT DATA

LABORATORY ANALYTICAL DATA SHEETS AND CHAIN-OF-CUSTODY DOCUMENTATION

Bio Logic
Biotechnical Laboratory & Consulting Services

Corporate Offices: 78-365 Hwy 111, PMB 351 La Quinta, CA 92253
619-360-5251 Fx. 619-345-0213
Laboratory : 14025 Willow Creek Road Ione, Ca 95640
209-245-4536 Fx. 209-245-3765

Clayton Environmental	Project Name	Sampled	06/15/00
6920 Koll Center Parkway #216	Client Project ID: 70-97066	Received	06/16/00
Pleasanton, Ca 94566	Sampled By: Marc Mullany	Plated	06/16/00
Attn. Marc Mullaney	Analysis Run General/Selective Plates, Physicochemistry	Analyzed	06/16/00
925-426-2656 Fax. 925-426-0106	Laboratory Indentification: BL-CL-1-4	Enumerated	06/22/00
P.O. #	Plating Concentration 100 ppm Gasoline	Reported	06/27/00
Site Location:	***BioLogic* Project Manager: Ken Farrar**		

Listed below are the results of physicochemical and microbial analyses, performed on four (4) water samples collected on 6/15/00 from site 70-97066 and received by BioLogic on 6/16/00. The samples were designated MW-1, MW-6, MW-7, MW-8.

Samples were analyzed for pH and concentrations of nitrogen (nitrate, nitrite, ammonia), phosphorus (as ortho-phosphate) and potassium utilizing a Hach DR2000 spectrophotomenter and pH meter in accordance with the manufactures instructions. General (heterotrophic, nonspecific) and selective (Gasoline specific) enumerations were performed, respectively, on Plate Count Agar (nutritionally complex) and 50% Bushnell-Haas minimal salts media supplemented with Gasoline (100 ppm) as the sole carbon source. Using standard microbiological plate count techniques, serial dilutions of each water sample were inoculated onto each plate and incubated, aerobically, for six (6) days at 30 degrees Celsius prior to evaluation.

Laboratory Results

Sample ID #	Sample Description	GEN	SEL	%
1	MW-1	2.1	0.5	23.81%
2	MW-6	3.5	0.3	8.57%
3	MW-7	3.8	0.3	7.89%
4	MW-8	3.6	0.4	11.11%

Signature

Ken Farrar, BioLogic Project Manager

MC = Moisture Content (%)
pH = log Hydrogen ion Concentration
NO_3-N = Nitrate-Nitrogen (ppm)
NO_3 = Nitrate Ion (ppm)
NO_2-N = Nitrite-Nitrogen (ppm)
NO_2 = Nitrite (ppm)
NH_4-N = Ammonia Nitrogen (ppm)
NH_4 = Ammonium Ion (ppm)
PO_4 = Ortho-Phosphate (ppm)
K= Potassium(ppm)
* Detection Limits for inorganics = 0.01 -0.1 ppm
GEN = Heterotrophic Organisms (CFU x 10^5)
SEL = Selective Degrader Organisms (CFU x 10^5)
% = Percentage of Selective Degrader Organisms

Case Phone 925-260-3109

REQUEST FOR LABORATORY ANALYTICAL SERVICES

Clayton GROUP SERVICES

IMPORTANT
Date Results Requested: STANDARD
Rush Charges Authorized? ☐ Yes ☐ No
☐ Phone or ☐ Fax Results

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

REPORT RESULTS TO
Name: MARC MULLANEY | Client Job No.: 70-97066
Company: | Dept.:
Mailing Address: 6920 KOLL CTR. PKWY #216
City, State, Zip: PLEASANTON, CA 94566
Telephone No.: 925-426-2656 | FAX No.: 925-426-0106

SEND INVOICE TO
Purchase Order No.:
Name:
Company: | Dept.:
Address:
City, State, Zip:

Special instructions and/or specific regulatory requirements:
(method, limit of detection, etc.)
WILL SEND FIELD DATA BY FAX

* Explanation of Preservative

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

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

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/ MEDIA	AIR VOLUME (specify units)	Number of Containers	HETEROTROPHIL BACTERIA	PH/NITRATE	NITRITE	AMMONIA	PHOSPHATE	POTASSIUM	TOC	FOR LAB USE ONLY
MW-1	6/15/00	1550	GW		1	X	X	X	X	X	X	X	
MW-6		1530			1	X	X	X	X	X	X	X	
MW-7		1605			1	X	X	X	X	X	X	X	
MW-8		1620			1	X	X	X	X	X	X	X	

CHAIN OF CUSTODY
Collected by (print): MARC MULLANEY
Relinquished by: Marc Mullaney | Date/Time: 6/15/00 1800
Relinquished by: | Date/Time:
Method of Shipment:

Collector's Signature: Marc Mullaney
Received by: | Date/Time
Received by: | Date/Time
Received at Lab by: | Date/Time
Sample Condition Upon Receipt: ☐ Acceptable ☐ Other (explain)

Authorized by: _____ Date _____
(Client Signature MUST Accompany Request)

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) 806-58[illegible]
(248) 344-177[illegible]
FAX (248) 344-2655

Atlanta Regional Lab
3353 Chastain Meadows Parkway, Suite 300
Kennesaw, GA 30144
(8[illegible] 252-9919
(770) 499-7500
FAX (770) 423-4990

Seattle Regional Lab
4636 E. Marginal Way S., Suite 215
Seattle, WA 98134
(800) 568-7755
(206) 763-7384
FAX (206) 763-4189

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

1/00 20K

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

ANALYTICAL REPORT

Prepared for:

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

Date: 13-OCT-00
Lab Job Number: 147719
Project ID: N/A
Location: Sausage Factory

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

147719

Clayton GROUP SERVICES

REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT

Date Results Requested: 5 DAY

Rush Charges Authorized? ☐ Yes ☐ No

☐ Phone or ☐ Fax Results

Page 1 of 1

For Clayton Use Only
Clayton Lab Project No.

SAUSAGE FACTORY

REPORT RESULTS TO

Name: WARREN CHAMBERLIN

Client Job No.

Company

Dept.

Mailing Address

City, State, Zip

Telephone No. 925-426-2665

FAX No. 925-426-0106

SEND INVOICE TO

Purchase Order No.

Name

Company

Dept.

Address

City, State, Zip

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

* Explanation of Preservative

Samples are: (check if applicable)

☐ Drinking Water
☑ Groundwater
☐ Wastewater

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

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/ MEDIA	AIR VOLUME (specify units)	Number of Containers	ORTHOPHOSPHATE SM4500-P	EPA 300.0 FOR NITRATE/NITRITE									FOR LAB USE ONLY
MW-3	9/27/00	1020	GW		2	X	X									147719-1
MW-1	9/27/00	1000	✓		2	X	X									-2

CHAIN OF CUSTODY

Collected by: MARC MULLANEY (print)

Collector's Signature: Marc Mullaney

Relinquished by: Marc Mullaney Date/Time 9/27/00 1100

Received by: [signature] Date/Time 9/27/00 11:00

Relinquished by: Date/Time

Received by: Date/Time

Method of Shipment:

Received at Lab by: Date/Time

Authorized by: ____ Date ____
(Client Signature **MUST** Accompany Request)

Sample Condition Upon Receipt: ☐ Acceptable ☐ 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) 806-5887
(248) 344-1770
FAX (248) 344-2655

Atlanta Regional Lab
3380 Chastain Meadows Parkway, Suite 300
Kennesaw, GA 30144
(800) 252-9919
(770) 499-7500
FAX (770) 423-4990

Seattle Regional Lab
4636 E. Marginal Way S., Suite 215
Seattle, WA 98134
(800) 568-7755
(206) 763-7364
FAX (206) 763-4189

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

1/00 20K

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	147719	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 300.0
Matrix:	Water	Sampled:	09/27/00
Units:	mg/L	Received:	09/27/00
Batch#:	58528	Analyzed:	09/27/00

Field ID: MW-3 Lab ID: 147719-001
Type: SAMPLE Diln Fac: 5.000

Analyte	Result	RL
Nitrogen, Nitrite	ND	0.25
Nitrogen, Nitrate	ND	0.25
Orthophosphate (as P)	1.0	1.0

Field ID: MW-1 Lab ID: 147719-002
Type: SAMPLE Diln Fac: 1.000

Analyte	Result	RL
Nitrogen, Nitrite	ND	0.05
Nitrogen, Nitrate	ND	0.05
Orthophosphate (as P)	0.13 J	0.20

Type: BLANK Diln Fac: 1.000
Lab ID: QC126048

Analyte	Result	RL
Nitrogen, Nitrite	ND	0.05
Nitrogen, Nitrate	ND	0.05
Orthophosphate (as P)	ND	0.20

J = Estimated value
ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	147719	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 300.0
Matrix:	Water	Batch#:	58528
Units:	mg/L	Analyzed:	09/27/00
Diln Fac:	1.000		

Type: BS Lab ID: QC126049

Analyte	Spiked	Result	%REC	Limits
Nitrogen, Nitrite	2.000	2.050	103	90-110
Nitrogen, Nitrate	2.000	2.000	100	90-110
Orthophosphate (as P)	10.00	10.22	102	90-110

Type: BSD Lab ID: QC126050

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Nitrogen, Nitrite	2.000	2.040	102	90-110	1	20
Nitrogen, Nitrate	2.000	1.970	98	90-110	1	20
Orthophosphate (as P)	10.00	10.06	101	90-110	2	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	147719	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 300.0
Field ID:	ZZZZZZZZZZ	Batch#:	58528
MSS Lab ID:	147716-001	Sampled:	09/26/00
Matrix:	Water	Received:	09/26/00
Units:	mg/L	Analyzed:	09/27/00
Diln Fac:	1,000		

Type: MS Lab ID: QC126051

Analyte	MSS Result	Spiked	Result	%REC	Limits
Nitrogen, Nitrite	<50.00	1,000	1,060	106	80-120
Nitrogen, Nitrate	1,767	1,000	2,778	101	80-120
Orthophosphate (as P)	<200.0	5,000	4,995	100	80-120

Type: MSD Lab ID: QC126052

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Nitrogen, Nitrite	1,000	1,081	108	80-120	2	20
Nitrogen, Nitrate	1,000	2,861	109	80-120	3	20
Orthophosphate (as P)	5,000	5,019	100	80-120	0	20

RPD= Relative Percent Difference

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

ANALYTICAL REPORT

Prepared for:

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

Date: 26-SEP-00
Lab Job Number: 147652
Project ID: N/A
Location: Saveage Factory

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

Clayton GROUP SERVICES

REQUEST FOR LABORATORY ANALYTICAL SERVICES

IMPORTANT
Date Results Requested: 5 DAY
Rush Charges Authorized? ☐ Yes ☒ No
☐ Phone or ☐ Fax Results

For Clayton Use Only
Clayton Lab Project No. 147652

REPORT RESULTS TO
Name: WARREN CHAMBERLIN
Client Job No.: 70-97060 SALVAGE FACTORY
Company: 6920 KOLL CENTER PARKWAY #216
Dept.
Mailing Address
City, State, Zip: PLEASANTON, CA 94566
Telephone No.: 925-426-2665
FAX No.: 925-426-0106

SEND INVOICE TO
Purchase Order No.
Name
Company
Dept.
Address
City, State, Zip

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

Pe

* Explanation of Preservative

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

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

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/ MEDIA	AIR VOLUME (specify units)	Number of Containers	SM 4500-P ORTHOPHOSPHATE	EPA 300.00 FOR NITRATE + NITRITE									FOR LAB USE ONLY
MW-7	9/22/00		GW		2	X	X									

CHAIN OF CUSTODY
Collected by: Beth Avinelli (print)
Collector's Signature: Beth Avinelli
Relinquished by: Beth Avinelli — Date/Time: 9/22
Received by: Carl Westbrook — Date/Time: 9/22/00 1:13pm
Relinquished by: — Date/Time:
Received by: — Date/Time:
Method of Shipment:
Received at Lab by: — Date/Time:

Authorized by: ______ Date ______
(Client Signature **MUST** Accompany Request)

Sample Condition Upon Receipt: ☐ Acceptable ☐ 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) 806-5887
(248) 344-1770
FAX (248) 344-2655

Atlanta Regional Lab
3380 Chastain Meadows Parkway, Suite 300
Kennesaw, GA 30144
(800) 252-9919
(770) 499-7500
FAX (770) 423-4990

Seattle Regional Lab
4636 E. Marginal Way S., Suite 215
Seattle, WA 98134
(800) 568-7755
(206) 763-7364
FAX (206) 763-4189

Received chilled
CW 9/22/00

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

1/00 20K

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	147652	Location:	Saveage Factory
Client:	Clayton Group Services	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 300.0
Field ID:	MW-7	Sampled:	09/22/00
Matrix:	Water	Received:	09/22/00
Units:	mg/L	Analyzed:	09/22/00
Batch#:	58450		

Type: SAMPLE Lab ID: 147652-001

Analyte	Result	RL	Diln Fac
Nitrogen, Nitrite	0.09	0.05	1.000
Nitrogen, Nitrate	21	0.25	5.000
Orthophosphate (as P)	ND	0.20	1.000

Type: BLANK Diln Fac: 1.000
Lab ID: QC125770

Analyte	Result	RL
Nitrogen, Nitrite	ND	0.05
Nitrogen, Nitrate	ND	0.05
Orthophosphate (as P)	ND	0.20

ND = Not Detected
RL = Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	147652	Location:	Saveage Factory
Client:	Clayton Group Services	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 300.0
Matrix:	Water	Batch#:	58450
Units:	mg/L	Analyzed:	09/22/00
Diln Fac:	1.000		

Type: BS Lab ID: QC125771

Analyte	Spiked	Result	%REC	Limits
Nitrogen, Nitrite	2.000	1.930	96	90-110
Nitrogen, Nitrate	2.000	1.870	93	90-110
Orthophosphate (as P)	10.00	9.460	95	90-110

Type: BSD Lab ID: QC125772

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Nitrogen, Nitrite	2.000	1.960	98	90-110	1	20
Nitrogen, Nitrate	2.000	1.880	94	90-110	0	20
Orthophosphate (as P)	10.00	9.620	96	90-110	2	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	147652	Location:	Saveage Factory
Client:	Clayton Group Services	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 300.0
Field ID:	MW-7	Batch#:	58450
MSS Lab ID:	147652-001	Sampled:	09/22/00
Matrix:	Water	Received:	09/22/00
Units:	mg/L	Analyzed:	09/22/00
Diln Fac:	5.000		

Type: MS Lab ID: QC125773

Analyte	MSS Result	Spiked	Result	%REC	Limits
Nitrogen, Nitrite	0.09040	5.000	4.730	93	80-120
Nitrogen, Nitrate	21.37	5.000	26.11	95	80-120
Orthophosphate (as P)	<0.2000	25.00	26.55	106	80-120

Type: MSD Lab ID: QC125774

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Nitrogen, Nitrite	5.000	4.950	97	80-120	5	20
Nitrogen, Nitrate	5.000	26.02	93	80-120	0	20
Orthophosphate (as P)	25.00	26.27	105	80-120	0	20

PD= Relative Percent Difference