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September 17, 2009

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Bureau Veritas Project No. 33104-004578.00

Subject: **Additional Subsurface Investigation Report**
Former Lemoine Sausage Factory
630 29th Avenue
Oakland, California 94601
Fuel Leak Case No. RO0000334 and Geotracker ID T0600102114

Dear Mr. Wickham:

Enclosed please find the above referenced Additional Subsurface Investigation Report prepared by Bureau Veritas North America, Inc. (Bureau Veritas) for the subject property. The project was performed in accordance with our *Workplan for Additional Subsurface Investigation*, dated February 25, 2009.

We trust that the information provided herein will meet your needs at this time and look forward to continue working with you on this project. If you have any questions or comments regarding any of the information provided in this report, please do not hesitate to contact me at (925) 426-2626 or at timothy.bodkin@us.bureauveritas.com.

Sincerely,

Timothy G. Bodkin, C.E.G., R.E.A. II
Senior Project Manager
Health, Safety, and Environmental Services

Enclosure

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Additional Subsurface Investigation Report

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630 29th Avenue
Oakland, California 94601

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33104-004578.00

Prepared for
ALAMEDA COUNTY
ENVIRONMENTAL HEALTH
1131 Harbor Bay Parkway, Suite 250
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BUREAU VERITAS

For the benefit of business and people

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1.0 INTRODUCTION

This report presents the results of the additional subsurface investigation performed by Bureau Veritas North America, Inc. (Bureau Veritas) at the Former Lemoine Sausage Factory ("the Site"), located at 630 29th Avenue in Oakland, California. The work was performed in accordance with Bureau Veritas' *Workplan for Additional Subsurface Investigation* dated February 25, 2009, as well as in accordance with Alameda County Environmental Health's (ACEH) letters dated November 12, 2008, and March 24, 2009, both requiring additional subsurface investigation at the Site.

Previous investigation results at the Site have shown a plume of dissolved petroleum hydrocarbons extending in a west-southwest direction from a former underground storage tank (UST) location at the Site. As recently as the Second Quarter of 2009, total petroleum hydrocarbons quantified as gasoline (TPH-g) and benzene were detected in groundwater at concentrations up to 17,000 and 6,900 micrograms per liter (µg/L), respectively. Detected concentrations of TPH-g and benzene have been found to exceed California Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs) for both drinking water and non-drinking water resources. Chlorinated volatile organic compounds (VOCs) also have been detected in groundwater in both on-site and off-site areas. Prior to this investigation, the source of the VOCs in groundwater was unknown.

The objectives of this additional subsurface investigation included the following:

- Delineating the extent of the dissolved petroleum hydrocarbon plume within its central and downgradient portions.
- Investigating potential source area(s) for the VOCs.
- Delineating the vertical and lateral extent of coarse-grained soils below the 15-foot depth.
- Assessing whether utility corridors that may serve as contaminant migration pathways.
- Evaluating potential vapor intrusion into the existing building on-site.

Descriptions of the site background, scope of work, findings, conclusions, and recommendations for this additional investigation are provided in the following sections.

2.0 SITE BACKGROUND

The Site is located at the southeast corner of the intersection of 29th Avenue and East 7th Street, in an area primarily zoned light industrial and commercial. The location of the Site is shown on Figure 1. The Site is surrounded by light industrial and commercial facilities to the northeast and southwest, the 29th Avenue overpass to the west, and a light industrial/commercial facility and residences to the east. A T-shaped, undeveloped lot containing automobile wreckage, miscellaneous equipment, and scrap metal materials is located to the southwest of the Site. A blacksmith and steel fabrication shop (Mor-Drop) is located adjacent to and further southwest of the undeveloped lot. According to historic maps, machine shops were formerly located in the undeveloped lot. An automotive repair facility also was formerly located to the southwest.

The Site is occupied by an approximately 9,262-square foot, L-shaped building formerly used as a sausage factory and cold storage warehouse. The building is a one-story, wood-framed, stucco exterior structure with concrete flooring and a wooden roof. The concrete flooring lies approximately 3.5 feet above street grade within the central portion of the building, and at ground level within the western and eastern portions of the building.

During earlier operations at the Site, the interior of the building was divided into a sausage production area, cold storage area, office area, refrigeration machinery room, and employee locker room. Additional refrigeration equipment was formerly present on the roof of the building, as noted during previous investigations. The building is currently subdivided into three tenant spaces. The eastern portion is occupied by an automobile repair and hobby shop (Pair-A-Dice Custom & Tow). The central portion is occupied by an architectural design and fabrication facility (Makerstudio). The western portion is occupied by a musical and electronic repair facility (Powerage Tube Amp and Electronic).

A 1,000-gallon gasoline underground storage tank (UST) and associated piping were formerly located beneath the sidewalk along 7th Street adjacent to the northeast side of the building. The UST was located adjacent to a roll-up door on the building. The fuel dispenser for the UST was located in a "cubby hole" adjacent to the building's roll-up door. The location of the former UST is shown on Figure 2.

2.1 UST REMOVAL

In November 1996, the UST and associated piping were removed. Groundwater was encountered at the 5-foot depth during excavation activities. A petroleum hydrocarbon sheen was observed in groundwater that entered the excavation during the UST removal.

Seven (7) soil samples (S-1 through S-7) were obtained during UST removal under the oversight of ACEH. The soil samples were collected at depths between 5 and 8 feet below ground surface (bgs) beneath the fill ends of the UST and the dispenser. The soil samples were analyzed for TPH-g, methyl tertiary butyl ether (MTBE), benzene, toluene, ethylbenzene, and xylenes (BTEX), and organic lead. Analytical results showed concentrations of these constituents ranging between non-detection and 4,300 milligrams per kilogram (mg/kg). Chemical concentrations detected in soil during the UST removal are shown in Appendix A (see Figure 3 in Appendix A). Appendix A contains various figures showing the results from previous investigations.

In May 2002, the existing sidewalk above the former UST excavation was repaired, followed by the re-excavation of the former UST pit. The former UST pit was excavated to a total depth of 6 feet bgs, and approximately 350 gallons of water were removed. Approximately 180 pounds of Oxygen Release Compound (ORC) was mixed into a slurry and placed with crushed rock into the pit. The crushed rock was approximately 3 feet thick and covered with geotextile fabric. The remaining portion of the excavation was backfilled with Class II aggregate baserock and compacted to 90% relative density. The replacement sidewalk above the excavation was constructed to City of Oakland specifications and was approximately 8 inches thick.

2.2 PREVIOUS INVESTIGATIONS

Since 1997, several investigations and quarterly groundwater monitoring events have been performed at the Site to characterize soil quality and groundwater conditions. Prior to this investigation, ten (10) soil

borings (B-1 through B-10) had been drilled to assess soil and groundwater quality around the vicinity of the former UST excavation and beneath the building footprint, and thirteen (13) groundwater monitoring wells (MW-1 through MW-13) had been installed to characterize groundwater conditions and quality within the uppermost water-bearing zone, as well as delineate the extent of impacted groundwater on- and off-site. Previous investigation results suggested that the mass of impacted soil is located around the former UST location and beneath a limited portion of the building footprint on the northeast side of the building along East 7th Street. Boring and monitoring well locations are shown on Figure 2, as well as in Appendix A (see Figure 2 in Appendix A). Soil analytical results from Borings B-1 through B-5 are shown in Appendix A (see Figure 3 in Appendix A). Boring logs and monitoring well construction details from these previous investigations are provided in Appendix B.

In 1999, Clayton Group Services, Inc. (Clayton, now Bureau Veritas) initiated quarterly groundwater monitoring activities at the Site. Since the inception of quarterly monitoring, groundwater flow consistently has been oriented to the west-southwest, and analytical data has shown TPH- and benzene-impacted groundwater extending across a portion of the Site, as well as off-site to the southwest. The highest concentrations of TPH-g and benzene have been detected in on-site Wells MW-2 and MW-9, which are both located inside the central and eastern portions of the building. Historical groundwater elevation data is presented in Appendix C. Historical groundwater analytical data is presented in Appendix D.

TPH-g and benzene concentrations in groundwater generally have remained within the same order of magnitude over the past several monitoring events. The lateral extent of the groundwater plume has been roughly defined by the TPH and benzene concentrations detected in the outermost monitoring wells with the exception of TPH-g and benzene concentrations detected in the most downgradient well (MW-13). Groundwater elevations measured during Fourth Quarter 2008 are shown in Appendix A (see Figure 4 in Appendix A). TPH-g and benzene concentrations detected in groundwater during Fourth Quarter 2008 are shown in Appendix A (see Figures 5 and 6 in Appendix A), respectively.

VOCs, primarily trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-DCE, and vinyl chloride (VC), have been detected in some of the wells (MW-8, MW-12, and MW-13) during previous monitoring events. The presence of cis-1,2-DCE, trans-1,2-DCE, and VC in groundwater over the past several monitoring events indicates that natural attenuation of the TCE is occurring. The VOC plume is stable in size and configuration, and has not shown further offsite migration to the west. The source of VOCs in groundwater is unknown. Previous monitoring results indicated that the VOC source appears to be offsite. TCE and cis-1,2-DCE concentrations detected in groundwater during Fourth Quarter 2008 are shown in Appendix A (see Figure 7 in Appendix A).

2.2.1 Risk Assessment/Feasibility Study (RA/FS)

In 2001, Clayton performed a risk assessment and feasibility study (RA/FS) to determine site-specific cleanup goals and evaluate potential remedial measures for the Site. The risk assessment was performed at the Tier II level in accordance with the California Code of Regulations Title 22, Division 21 (Title 22), American Society for Testing and Materials (ASTM-E1735) Standard Guide for Risk Based Corrective Action (RBCA) Applied at Petroleum Release Sites (ASTM, 1995), and the Oakland Urban Land Redevelopment Program (OULRP) Guidance Document (COPWA, 2000), as well as in accordance with the City of Oakland's document entitled "Oakland Risk-Based Corrective Action: Technical Background Document" updated January 1, 2000. The risk assessment identified chemicals of concern,

primary sources, secondary sources, transport mechanisms, and chemical exposure pathways to potential receptors. As part of the RA/FS, a receptor characterization and survey, risk evaluation, and identification of decision analysis-remedial action options were implemented.

The receptor survey determined that no domestic drinking water wells exist within a 2,000-foot radius of the Site, and, therefore, no risk of exposure from groundwater consumption downgradient and within 2,000 feet of the Site. Nearby underground utilities, including a storm drain and sanitary sewer, were identified as potential conduits for the transport of impacted groundwater. However, non-detect concentrations of the constituents in the monitoring wells adjacent to the Site indicated that groundwater impact to the utility trenches was unlikely. Appendix E provides a map showing storm drain and sanitary sewer locations around the Site.

The Oakland Estuary, located approximately 0.2 miles away to the south southwest between the Oakland and Alameda city limits, also was considered as a point of exposure. During the RA/FS, it was assumed that groundwater was able to enter the Oakland Estuary through natural pathways or via leakage from utility trenches. Upon further review, it was concluded that the Oakland Estuary was not a viable pathway of exposure due to its use as an active marine waterway.

In summary, the results of the risk assessment showed there were no off-site receptors that would be impacted by the Site constituents. Groundwater beneath the Site was not considered to be of beneficial use because it was located adjacent to a sanitary sewer system. Low permeability hydrogeologic conditions also showed that groundwater could not be extracted at sufficient rates for consumption over a prolonged period of time. Furthermore, groundwater beneath the Site was considered to be brackish and not suitable for consumption.

2.2.2 Evaluation of Remedial Action Alternatives

In 2004, remedial action alternatives were evaluated for practical consideration, technical applicability, and costs. Three (3) remedial action alternatives were selected for evaluation and included Alternative 1 (building demolition, excavation/disposal, and building reconstruction), Alternative 2 (soil excavation, groundwater extraction via the installation of an interceptor trench with soil vapor extraction); and Alternative 3 (groundwater injection using an Oxygen Release Compound (ORC)). Each alternative was evaluated with regard to implementability, effectiveness, and cost. This evaluation showed that each of the alternatives could be implemented, with the exception of several elements that were not technically or economically feasible. Restrictions for implementing the various remedial alternatives included the intrusiveness of each alternative relative to the building footprint and tenant occupancy, overall cost, and length of time to achieve a designated site-specific cleanup goal.

Alternative 1 was considered the most likely approach to achieve cleanup goals; however, it would have been the most costly and intrusive to implement because of completely displacing tenants during remedial activities. Alternative 1 involved building demolition and removal; excavation and offsite disposal of impacted soils; reuse of clean soil from the upper 6 feet of the excavation as fill; and placement of a limited volume of imported soil. Impacted groundwater would have been extracted and treated during construction dewatering. The time duration to complete Alternative 1 would have been significantly less than for Alternatives 2 or 3.

Alternative 2 also would have required temporary tenant relocation, and would have taken much longer to meet cleanup goals because a more localized area of impacted soil, rather than a larger area, would have to be removed. Soil vapor extraction for Alternative 2 would not have been effective because of predominant, fine-grained, low permeability soils within the vadose zone. VOC-impacted groundwater from the apparent off-site source likely would have been captured and transported on-site during implementation.

Alternative 3 was considered to be the least intrusive and costly of the remedial alternatives. Considering the intrusive nature, cost prohibition, time constraints, low permeability soil conditions, and necessity to capture VOC-impacted groundwater from an apparent off-site source associated with Alternatives 1 and 2, it was decided that a pilot test for Alternative 3 (ORC injection) would be conducted.

2.2.3 ORC Injection Pilot Study

In 2005, an ORC injection pilot study was performed at the Site to evaluate its technical feasibility for reducing chemical concentrations in groundwater. Two (2) temporary monitoring wells (T-1 and T-2) were installed and ORC injection borings were drilled. The wells were positioned downgradient of Well MW-9 to evaluate the effects of ORC injection. The injection borings were positioned upgradient of Wells MW-9 and MW-4. Well MW-9 also was utilized for groundwater monitoring purposes during the study.

Following injection, Wells T-1, T-2, and Well MW-9 were sampled three times over a five-month period. Sampling events were interspersed with the quarterly groundwater monitoring schedule. During the earlier RA/FS, bio-assessment test data showed that groundwater beneath the Site contained heterotrophic bacteria capable of degrading organic compounds. Test data also showed that groundwater beneath the Site was anaerobic (oxygen-poor) and lacked essential inorganic nutrients (nitrogen and phosphate). However, ORC injection was selected as a remedial alternative for pilot testing with the rationale that if the oxygen, nitrogen, and phosphate concentrations could be increased, those elements would potentially stimulate and increase bacteriological activity, thus allowing for biodegradation of the petroleum hydrocarbons.

Test results showed that minimal aerobic biodegradation of petroleum hydrocarbons occurred during the pilot study. No significant declines in hydrocarbon concentrations in groundwater were noted. It was also found that biodegradation appeared to occur at an extremely slow rate. It was concluded that it would be ineffective for reducing chemical concentrations in a timely manner. On this basis, ORC injection would have been conducted over a much longer time interval, and requiring more injection events than had been anticipated to achieve cleanup goals.

Based on the outcome of the pilot study, Alternative 3 was not recommended for implementation at the Site.

3.0 SCOPE OF WORK

The scope of work for the additional subsurface investigation was designed to meet objectives presented in Section 1.0 of this report. The scope of work included drilling and sampling nineteen (19) borings (including Borings SV-1 through SV-3, SVGW-1 through SVGW-4, and B-11 through B-22) for soil vapor, soil, and grab-groundwater sampling and analyses. Borings SV-1 through SV-3 were advanced inside

the Site building for soil vapor sampling. Borings SVGW-1 through SVGW4 were advanced inside the Pair-A-Dice Custom tenant space for both soil vapor and grab groundwater sampling. Boring B-11 was advanced within the sidewalk along the northeast side of the Pair-A-Dice tenant space to log stratigraphic conditions and define the vertical extent of a coarse-grained soil zone that was encountered in the bottom of Boring MW-13 during a previous investigation. Borings B-12 through B-19 were advanced within the undeveloped parcel of land between the Site and Mor-Drop facility for soil vapor, soil, and grab-groundwater sampling. Borings B-20 and B-21 were advanced within sidewalk areas outside the southwest corner of the Mor-Drop facility for the same purposes as those within the undeveloped parcel of the land. The locations of the borings are shown on Figure 2.

Pre-field and field activities for the investigation are further described in the following sections.

3.1 PRE-FIELD ACTIVITIES

3.1.1 Property Access

The borings for this investigation were advanced inside the Site building, within the undeveloped parcel of land, and along sidewalk areas around the Site. Arrangements for accessing the tenant spaces, undeveloped land, and Mor-Drop facility were coordinated with the property owners in advance of field activities. Permission was not granted by the property owner for accessing the three (3) boring locations that originally were proposed inside the Mor-Drop facility. Because of the denial of permission, two (2) of the proposed borings (B-20 and B-21) were moved to sidewalk areas outside the southwest corner of the Mor-Drop facility, and one of the proposed borings was eliminated from the investigation.

3.1.2 Permitting

Permits for the exploratory borings were obtained from Alameda County Public Works Agency (ACPWA). An excavation permit for working within sidewalk areas also was obtained from the City of Oakland Community and Economic Development Agency. Copies of the drilling and excavation permits are provided in Appendix F.

3.1.3 Health and Safety Plan

A Health and Safety Plan (HASP) was prepared for the Site based upon results of previous investigations. The HASP provided information on the work to be performed, safety precautions, emergency response procedures, nearest hospital information, and on-site personnel responsible for managing emergency situations.

Bureau Veritas performed the investigation in accordance with the requirements of the State of California General Industry Safety Order 5192 and Title 29 of the Code of Federal Regulations, Section 1910.120 (29 CFR 1910.120). Prior to starting field activities, Bureau Veritas also conducted "tailgate" safety meetings with field personnel and subcontractors, which included discussions of the safety hazards and precautionary measures to be implemented during the course of the field activities. Tailgate safety meetings were performed on a regular basis, as necessary. A copy of the HASP was kept onsite during field activities.

During field activities, field personnel wore modified Level D health and safety gear, consisting of gloves, safety glasses, steel-toed boots, and hardhats for protection from overhead drilling equipment. On-site

health and safety issues were monitored by Bureau Veritas' Project Manager and/or Site Health and Safety Officer.

3.1.4 Utility Clearance

Boring locations were marked with white paint prior to contacting Underground Services Alert (USA). Upon contact, USA notified local utility companies regarding the upcoming exploration work, who, in turn, marked the locations of their utilities around designated investigation areas, as appropriate, and where accessible. Following the USA clearance, an experienced underground utility locator (OHS Underground Utility Locator of Oakland, California) was retained by Bureau Veritas to perform a detailed utility clearance and to confirm marked underground utility locations, as well as check for the presence of other underground utilities not already marked. Boring locations were shifted accordingly where underground utilities were found to be located directly beneath or in close proximity to the borings.

3.2 FIELD ACTIVITIES

Drilling for the borings was performed by a qualified, experienced, C-57 licensed drilling company (RSI Drilling of Woodland, California) under subcontract to Bureau Veritas. Drilling was accomplished with limited access and truck-mounted drilling equipment using direct push methods. Drilling operations were supervised by an experienced field scientist under the oversight of a Bureau Veritas California-licensed Certified Engineering Geologist. The locations of the borings are shown on Figure 2.

The borings were advanced to depths between 3.5 and 32 feet bgs. The borings were continuously cored throughout their entire depths for lithologic logging and field screening purposes, as well as for soil vapor, soil, and grab-groundwater sample collection. Soils were retained in acrylic liners lining the inside of the core barrel during each sample drive. Recovered soil cores were examined for soil classification and described on detailed boring logs in general conformance with the Unified Soil Classification System. Additional lithologic descriptions and drilling information, such as physical features, sample recovery, discoloration, odor, etc., were recorded on the boring logs. The boring logs are presented in Appendix G.

3.2.1 Soil Vapor Sampling

Soil vapor samples were collected from each of the borings (including Borings SV-1 through SV-3, SVGW-1 through SVGW-4, and B-12 through B-22) to locate potential source area(s) of VOCs and to evaluate potential vapor intrusion into the existing building at the Site. Temporary, nested soil vapor sampling points were installed at each location for sample collection. Soil vapor sampling activities were performed in accordance with the California Department of Toxic Substances Control (DTSC) and RWQCB *Advisory – Active Soil Gas Investigation* guidance dated January 28, 2003. The locations of the borings are shown on Figure 2.

3.2.1.1. Temporary, Nested Soil Vapor Sampling Point Construction

The temporary soil vapor points were installed at depth between 3.0 and 3.5 feet bgs because of the anticipated shallow depth of groundwater beneath the Site. Upon reaching the borehole bottom at each location, the construction of each sampling point was begun by placing approximately 6 inches of clean, dry sand in the borehole bottom along with a temporary soil vapor probe attached to an approximate 5-foot length of inert tubing, both extending to the borehole bottom. After the tubing was set in place, an

additional 6 inches of clean, dry sand was added above the tip of the tubing. Above the sand layer, the borehole annulus was filled with approximately one foot of dry granular bentonite and then filled with hydrated bentonite chips to grade.

3.2.1.2. Soil Vapor Sample Collection

Upon installation, the first soil vapor sampling point (Boring B-18) was equilibrated over a DTSC/RWQCB-required minimum of 30 minutes. After equilibrium was achieved, purge volume testing was performed at Boring SVGW-3 using a combination of inert tubing, Teflon tape, gas-tight syringes equipped with Teflon plungers, and stainless steel and brass fittings. Purge volume samples were retained in the gas-tight, glass syringes. Purge volume testing was performed to determine the optimal purge volume for sample collection at subsequent soil vapor sampling locations. Purge testing consisted of collecting and analyzing soil vapor samples upon removing one (1), three (3), and seven (7) purge volumes. Soil vapor samples were obtained upon the removal of three (3) purge volumes at each location using the analytical results from the purge volume testing as a basis.

As with the purge volume testing, the soil vapor samples were retained in gas-tight, glass syringes. Upon retrieval, the samples were documented on chain-of-custody forms with the appropriate project information, including the project name, project number, sample location and depth, date of sampling, and sampler's name, which accompanied the soil vapor samples to a mobile analytical laboratory (TEG-Northern California of Rancho Cordova, California) stationed onsite during sampling activities. The samples were analyzed by the mobile analytical laboratory within 30 minutes of sample collection. The soil vapor samples were analyzed for VOCs using EPA Method 8260B.

Leak tests were conducted at each sampling location using a leak check compound (1,1-difluoroethane) to determine if leakage was occurring through the sampling apparatus during sample collection. Leak tests were conducted at the probe tubing/ground surface interface at each sample location.

Duplicate soil vapor samples were obtained at the minimum of one (1) sample per each field day. A total of three (3) duplicate soil vapor samples (SV-1 DUP, B-16 DUP, and B-18 DUP) were obtained during the investigation.

Upon completion of soil vapor sampling, the inert tubing and bentonite seals were removed from each borehole. The boreholes were then backfilled with a neat cement grout in accordance with ACPWA requirements, and capped either with asphalt patch or concrete to match existing grade, as appropriate.

3.2.2 Soil Sampling

Soil samples were obtained in Borings SVGW-3 and B-13 through B-18 to assess the presence of VOCs in the vadose zone. One (1) soil sample was obtained from the 5-foot depth in these borings for laboratory analyses, resulting in a total of seven (7) soil samples that were analyzed. The soil samples were retained in acrylic liners lining the inside of the core barrel during each sample drive. After the core barrel was retrieved, the acrylic liner was examined and cut for selecting and retaining samples for laboratory analyses. Samples submitted for laboratory analyses were transferred to Encore sampling devices using EPA Method 5035 protocol.

After the samples were retrieved from the core barrel and the acrylic liners were examined and cut, the ends of the acrylic tubes were covered with Teflon tape and sealed with airtight plastic caps. The acrylic tubes were then labeled with the project name, project number, boring number, sample depth, sampling date/time of sampling, and sampler's initials. The tubes were placed on crushed ice inside an insulated, pre-chilled cooler for transport to the analytical laboratory. Chain-of-custody (COC) documentation was completed and accompanied the soil samples to the analytical laboratory.

3.2.2.1. Field Screening

Soil samples from each sampling interval in the vadose zone were retained for headspace testing. Headspace tests were performed with a photo-ionization detector (PID) for detecting the presence of VOCs. To initiate the headspace testing procedure, soil samples were removed from the acrylic liners inside the core barrel, placed into labeled plastic bags, and sealed for conducting the tests. After sufficient time elapsed for vapor build-up inside the bags, the bags were punctured with the probe tip of the PID to allow for measurement of the headspace. Measurements were obtained in the parts per million (ppm) range for total VOCs. Results of the headspace tests (PID readings) were recorded on the boring logs.

3.2.3 Grab-Groundwater Sampling

Upon completion of soil sampling activities, Borings SVGW-1 through SVGW-4 and B-11 through B-21 were advanced into the uppermost water-bearing zone beneath the Site for grab-groundwater sampling purposes. Based upon our understanding of subsurface conditions prior to this investigation, it was anticipated that the borings would be advanced to depths approximately between 10 and 15 feet bgs to encounter groundwater. No groundwater was initially encountered in any of the borings at the 10- to 15-foot depths during drilling activities. As a result, the borings were advanced to greater depths between 16 and 32 feet bgs to obtain grab-groundwater samples.

Upon encountering groundwater and to initiate sample collection, the core barrel from the drilling rig was retracted a few feet upward in each boring to allow for the installation of one-inch-diameter PVC casing, which served as temporary well casing. The casing was installed to the borehole bottom. The lower five feet of each casing was slotted to allow the introduction of water into the casing.

Sufficient time was allowed for groundwater to enter the wells for collection of the grab-groundwater samples. Prior to sample collection, groundwater levels were measured and recorded on the boring logs. Grab groundwater samples were obtained using pre-cleaned, plastic, disposable bailers. Upon collection, the samples were poured from the bailers into appropriate laboratory-supplied containers. The sample containers were capped/sealed, labeled with identifying project information, and placed into a pre-chilled ice chest for transportation to the analytical laboratory. Chain of custody documentation accompanied the groundwater samples to the laboratory.

Upon sample collection, the temporary well casings were removed. The borings were then backfilled with neat cement grout in accordance with ACPWA permitting requirements.

3.2.4 Decontamination and Waste Containerization

Drilling and sampling equipment were steam cleaned or cleaned with a non-phosphate solution prior to drilling each boring. Decontamination of the drilling equipment was performed at a designated self-contained decontamination unit provided by the drilling subcontractor. Decontamination wastewater was pumped from the driller's self-contained unit into Department of Transportation (DOT)-approved 55-gallon waste drums. Soil cuttings generated during drilling activities also was placed into DOT-approved 55-gallon waste drums. Disposable health and safety gear worn during field activities also was placed into 55-gallon waste drums. The waste drums were temporarily stored onsite. Disposition of the waste(s) will be determined upon further review of the laboratory analytical data by a licensed treatment, storage, and disposal (TSD) facility.

3.2.5 Groundwater Sampling from Existing Monitoring Wells

As part of this investigation, and to further delineate the extent of impacted groundwater at the Site, groundwater samples were obtained from ten (10) existing monitoring wells (MW-1, MW-2, and MW-6 through MW-13) at the Site. Prior to sampling, the wells were purged using the same protocol typically performed during quarterly monitoring activities. Approximately three (3) well casing volumes of standing water were removed during purging, with the exception of Wells MW-1 and MW-2, which were not purged due to insufficient amounts of water in the wells and poor groundwater recharge. Wells MW-6 through MW-13 were purged by hand bailing with pre-cleaned, plastic, disposable bailers. Of these wells, Well MW-9 was purged dry. Water quality parameters (pH, specific conductivity, temperature, and turbidity) were measured and recorded onto Field Sampling Data Sheets. Water quality parameter measurements were taken prior to purging and after removing each well casing volume of water from each monitoring well. Groundwater purged from monitoring wells was stored onsite in sealed 55-gallon drums and labeled with the project-identifying information. Groundwater monitoring and sampling logs are provided in Appendix H.

Before groundwater sampling commenced, each purged monitoring well was allowed to recharge to at least 80% of the pre-purged standing water volume, except for Wells MW-1 and MW-2, for the reasons stated above. Groundwater samples for laboratory analyses were retrieved using either a peristaltic pump equipped with polytubing or a new disposable bailer. Groundwater samples were poured into appropriate laboratory-supplied containers. Sample containers were sealed, labeled with identifying project information, logged onto a chain-of-custody document, and temporarily stored in a chilled ice chest containing crushed ice for transport to the laboratory.

3.3 LABORATORY ANALYSES

Soil vapor, soil, and groundwater samples were analyzed by State of California-certified analytical laboratories. The soil vapor samples were analyzed for VOCs using EPA Method 8260 by a mobile analytical laboratory, TEG- Northern California of Rancho Cordova, California. The soil and grab-groundwater samples were analyzed by Curtis & Tompkins, Ltd. of Berkeley, California. The soil and grab-groundwater samples obtained from the exploratory borings were analyzed for TPH-g and BTEX using EPA Methods 8015B and 8021B, respectively, and for VOCs using EPA Method 8260B except for the soil sample obtained from the 5-foot depth in Boring SVGW-3, which was only analyzed for VOCs. The groundwater samples obtained from the monitoring wells were analyzed for TPH-g and BTEX using

EPA Methods 8015B and 8021B, respectively, and for VOCs using EPA Method 8010B. Laboratory analyses for the soil and grab-groundwater samples were performed over a standard turnaround time.

4.0 FINDINGS

4.1 SUBSURFACE CONDITIONS

Drilling program results from this investigation and previous investigation results show that the Site is predominately underlain by fine-grained soils containing occasional thin layers of coarse-grained soils. Subsurface conditions showing the soil lithologies and depths to groundwater beneath the Site are illustrated in cross-sectional view. The locations of the cross sections are shown on Figure 3. Cross Sections A-A' and B-B' are shown on Figure 4. The boring logs for this investigation are presented in Appendix G.

The uppermost soils beneath the Site generally consist of black to dark brown silty clays that extend to depths between 4 and 7 feet bgs. These clays are further underlain by brown sandy and silty clays and with occasional zones of gravelly clays, and silty and clayey gravels. Coarse-grained soils characterized by thin layers of sands, silty sands, and clayey sands were first encountered at depths between 16 and 23 feet bgs and ranged between approximately 0.2 and 3.5 feet in thickness. These units appear to be discontinuous in extent except for the sand units encountered at the 20-foot depth, as illustrated in Cross Section B-B'.

Green- to greenish-gray-colored zones were encountered in several of the borings during this investigation. These zones of discoloration were generally present at variable depths between 8 and 20 feet bgs. Boring B-14, located on the undeveloped parcel of land adjacent to the Site building, showed a relatively thicker zone of greenish-discolored soil extending from 10 to approximately 25 feet bgs. Zones of greenish-discolored soils appeared to be less thick at other borings locations. No zones of discoloration were observed in Borings B-19 and SVGW-3. No separate phase hydrocarbons were encountered in any of the borings advanced during this investigation.

Petroleum hydrocarbon odors also were noted at several borings during drilling, and were generally coincident with the zones of green discoloration. Petroleum hydrocarbon odors were most pervasive at the borings advanced in the undeveloped parcel of land. Moderate to strong chemical odors that appeared to be associated with VOCs rather than the petroleum hydrocarbons were noted in Borings B-16 and B-17, located with the undeveloped parcel of land. Elevated PID readings also were noted within the zones of soil discoloration and odor.

Groundwater was first encountered at depths between approximately 9 and 28 feet bgs. During drilling activities, the majority of the borings exhibited slow recharge, producing minimal quantities of groundwater due to the preponderance of fine-grained soils having thin zones of coarse grained soils. Some of the borings also were relatively dry throughout their vertical extent at the time the borings were first advanced to their total depths. Where the dry zones were noted, the borings were left open to allow the introduction of groundwater for sample collection.

4.2 ASSESSMENT OF UTILITY CORRIDORS

Existing utility corridors were evaluated to better understand whether the corridors serve as preferential pathways for contaminant migration. During this investigation, it was found that only the existing storm water drain and sanitary sewer systems are potential conduits for transporting Site contaminants, as shown on the City of Oakland underground utility drawing provided in Appendix E. The existing storm drain is located along 29th Avenue to the northwest of the Site. As shown in Appendix E, storm water in this drain flows from the northeast to the southwest. The closest sanitary sewers are located to the northeast and northwest of the Site along East 7th Street and 29th Avenue, respectively.

For the past several years, groundwater monitoring has been performed on a quarterly basis at the Site. Several of the wells are located adjacent to the existing storm drain and sanitary sewer systems. Wells MW-1, MW-6, and MW-10 lie adjacent to the existing sanitary sewer along East 7th Street, and Wells MW-7, MW-11, and MW-12 lie adjacent to the existing storm drain and sanitary sewer along 29th Avenue. Historical groundwater flow measurements show that Wells MW-7, MW-11, and MW-12 lie downgradient of the Site, as well as downgradient of the existing sanitary sewer that extends along East 7th Street. Historical groundwater analytical results in these wells over the past several years have shown low to non-detect concentrations of TPH-g and benzene. These analytical results further indicate that impact to the existing storm drain and/or sanitary sewer along 29th Avenue is unlikely, and that these underground utilities would not serve as conduits for contaminant migration.

4.3 ANALYTICAL RESULTS

4.3.1 Soil Vapor

Analytical results for soil vapor showed relatively low-level concentrations of VOCs in four (4) of the twenty-two (22) samples that were analyzed during this investigation. Trichloroethene (TCE) was detected at concentrations between 180 and 590 micrograms per cubic meter (µg/m^3) in Borings B-16 and B-18. Cis-1,2-dichloroethene (cis-1,2-DCE) were detected at concentrations between 580 and 670 µg/m^3 in Boring B-18. No benzene was detected in soil vapor at or above the laboratory reporting limits in any of the borings advanced during this investigation. No other VOCs were detected at or above the laboratory reporting limits in the remainder of the soil vapor samples analyzed during this investigation. The soil vapor analytical results are presented on Table 1. Concentrations of the detected VOCs (TCE and cis-1,2-DCE) in soil vapor are presented on Figure 5. Chain-of-custody documentation and certified analytical reports are presented in Appendix I.

Soil vapor analytical data for the detected VOCs were compared to the DTSC California Human Health Screening Levels (CHHSLs) for residential and commercial/industrial land uses. Of the VOCs detected, TCE and cis-1,2-DCE were found at concentrations below their established CHHSLs for commercial/industrial land uses. Only TCE was found to exceed its established CHHSL for residential land use in Boring B-16.

4.3.2 Soil

Analytical results for the soil samples obtained at the 5.0-foot depth in various borings advanced during this investigation showed non-detection at or above the laboratory reporting limits. Chain-of-custody documentation and certified analytical reports for soil are presented in Appendix J.

4.3.3 Groundwater

Analytical results for the groundwater samples obtained from borings and existing monitoring wells showed variable concentrations of TPH-g and VOCs, which were detected at each boring and well location except for Wells MW-6, MW-7, and MW-10. Groundwater analytical results for TPH-g and VOCs are presented on Table 2. The distribution of TPH-g and VOCs in groundwater is shown on Figure 6. Chain-of-custody documentation and certified analytical reports for groundwater are presented in Appendix K.

During this investigation, detected concentrations of TPH-g ranged between 57 and 88,000 µg/L, as shown on Figure 7. The highest concentrations of TPH-g were detected within an area encompassed by Wells MW-2 and MW-9 and Borings SVGW-4, B-11, and B-14 through B-16. The highest concentrations also cover the area occupied by the eastern and central portions of the Site building and undeveloped parcel of land adjacent to the Site building.

The primary VOCs detected during this investigation include benzene, toluene, ethylbenzene, and total xylenes, as well as TCE, cis-1,2-DCE, trans-1,2-dichloroethene (trans-1,2-DCE), vinyl chloride, 1,1-dichlorethene (1,1-DCE), and 1,2-dichloroethane (1,2-DCA). As shown on Table 2, other VOCs detected included naphthalene, methyl-tert-butyl ether (MtBE), n-Butylbenzene, sec-Butylbenzene, tert-Butylbenzene, isopropylbenzene, propylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, acetone, and carbon disulfide.

Maps showing the concentrations of some primary VOCs, including benzene, TCE, and cis-1.2-DCE have been prepared, as shown on Figures 8 through 10. As shown on Figure 8, detected concentrations of benzene ranged between 1 and 17,000 µg/L, with the highest concentrations of benzene generally present within the same area encompassed by the elevated TPH-g concentrations. As shown on Figures 9 and 10, detected concentrations of TCE and cis-1,2-DCE ranged between 9 and 31,000 µg/L. The highest concentrations of TCE and cis-1,2-DCE are present around Borings B-14 through B-16, located within undeveloped lot adjacent to the Site building, in Boring B-18, located within the undeveloped lot between the Mor-Drop facility and International Art properties, and Well MW-12 located along the west side of the Mor-Drop facility. As presented on Figure 6, trans-1,2-DCE was detected at concentrations between 3.3 and 69 µg/L, and was present within an area encompassed by Wells MW-8 and MW-13 and Borings SVGW-3, B-16 through B-19, and B-20, as well as around Well MW-12. In addition, vinyl chloride was detected at concentrations of 92 and 100 µg/L in Boring SVGW-3 and Well MW-8, respectively, which are located within the southernmost portion of the Site building adjacent to International Art Properties. Concentrations of these VOCs were found to exceed their California Department of Public Health Maximum Contaminant Levels (MCLs).

4.4 QUALITY ASSURANCE/QUALITY CONTROL

4.4.1 Leak Test Results

Leak tests were performed for each soil vapor sample using 1,1-difluoroethane as the leak check test compound. The leak test was performed to determine if leakage was present during the sample collection process. No concentrations of 1,1-difluoroethane were detected in the soil vapor samples at or above the laboratory reporting limits except for Boring SVGW-3 during the purge volume test. The

detection of the 1,1-difluoroethane in Boring SVGW-3 is likely attributed to a combination of a shallow sampling depth and large purge volume (7 purge volumes) during testing. Non-detect analytical results in the other soil vapor samples indicated that there were no leaks present in the soil vapor monitoring probe or sample train during sampling. Analytical results of the leak tests for 1,1-difluoroethane are summarized in the certified analytical results for soil vapor presented in Appendix I.

4.4.2 Duplicate Sample Results and Laboratory Analyses

Three (3) duplicate soil vapor samples (B-16 DUP, B-18 DUP, and SV-1 DUP) were collected during this investigation to qualify the soil vapor analytical data. Analytical results for the duplicate samples are summarized on Table 1 and the certified analytical results are presented in Appendix I.

Analytical results for the PCE detected in Samples SG-8-5 DUP and SG-8-15 DUP showed concentrations of 208 and 420 µg/m^3, respectively. TCE concentrations detected in the duplicate samples obtained from Borings B-16 and B-18 also showed fairly good precision with relative percent differences (RPDs) of 3.4% and 10%, respectively, and concentrations within the same order of magnitude. The cis-1,2-DCE concentration detected in the duplicate sample obtained from Boring B-18 also showed fairly good precision with a RPD of 13.4%. In general, the duplicate samples collected and analyzed were in close agreement and indicate the data is useful for its intended purpose.

For the soil and grab-groundwater laboratory analyses, EPA Methods 8021B and 8260B were run to analyze for benzene, toluene, ethylbenzene, and total xylenes (BTEX constituents). Analytical results for the detected BTEX constituents showed fairly good precision with relatively low percent differences, in comparing analytical results between both laboratory methods, as well as concentrations within the same order of magnitude, as shown on Table 2. In general, analytical results for the BTEX constituents for both laboratory analytical methods were in close agreement and indicate the data is useful for its intended purpose.

4.4.3 Data Validation Summary

The analytical laboratory data was reviewed by Bureau Veritas to establish its validity and to ensure the laboratory data was complete and accurate. Bureau Veritas verified that holding times for each analytical method were achieved and that the laboratory achieved the specific data quality objectives for each selected analytical method. A review of the data validation process indicates that the laboratory completed the QA/QC activities required for the samples such as blanks, lab control samples, matrix spikes, and duplicates. The QA/QC parameters for the samples were within acceptable limits and suggest that the data is useful for its intended purpose.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based upon the results of this additional subsurface investigation, concentrations of TPH-g and VOCs were detected within underlying subsurface media (soil vapor and groundwater) at various locations across the Site. No concentrations of TPH-g and VOCs were detected in soils analyzed from the 5.0-foot depth during this investigation. Concentrations of TPH-g, benzene, and VOCs detected in groundwater are consistent with the historical groundwater analytical results that have been generated during quarterly monitoring events for past several years. Historical groundwater analytical results also show that the

TPH- and benzene-impacted plumes are defined, and that these plumes appear to be commingled with the VOC-impacted groundwater plume.

To date, numerous investigations and groundwater quarterly monitoring events have been performed at the Site. Results from these investigation and monitoring events have shown decreasing chemical concentrations over time. Historical groundwater analytical data show that the benzene-impacted groundwater plume beneath the Site has stabilized and not migrated further off-site. Historical groundwater analytical results detected in monitoring wells downgradient of the Site also show that impact to the existing storm drain and/or sanitary sewer along 29th Avenue is unlikely, and that the storm drain and sanitary sewer would not serve as conduits for contaminant migration of the Site constituents.

Existing subsurface data shows that the Site is predominately underlain by a thick preponderance of low permeability, fine-grained soils. Results from an earlier pilot study for evaluating a potential remedial measure showed that ORC injection would not be technically feasible nor cost-effective for achieving any cleanup goals. ORC pilot study results also showed that minimal biodegradation of petroleum hydrocarbons is occurring at an extremely slow rate, and that there were no significant declines in hydrocarbon groundwater concentrations observed during subsequent monitoring activities. On this basis, it was concluded that ORC injection would not effective in reducing chemical concentrations in a time-efficient, cost-effective manner.

Results from an earlier risk assessment/feasibility study (RA/FS) also were reviewed during this investigation. The RA/FS results showed that there are no potential off-site receptors downgradient of the Site. During the RA/FS, it was further concluded that groundwater could not be developed for beneficial uses because of the combination of low permeability, fine-grained soils and brackish nature of the groundwater beneath the Site.

Elevated TCE and cis-1,2-DCE concentrations in soil vapor were detected at two (2) locations during the investigation. Elevated TCE and cis-1,2-DCE concentrations that were detected in soil vapor are coincident with elevated TCE and cis-1,2-DCE concentrations detected in groundwater. As shown on Figures 5 through 10, the areas of elevated VOC concentrations in soil vapor and groundwater indicate that source(s) of VOCs are located offsite. Of the VOCs, benzene also has been detected in groundwater over the past several years. During this investigation, no benzene was detected in any of the soil vapor samples analyzed during this investigation. Of the two (2) boring locations where TCE was detected in soil vapor, only one (1) boring location showed TCE in soil vapor at concentrations exceeding the CHHSL for residential land use. This TCE soil vapor concentration appears to be restricted to a localized area within the undeveloped lot adjacent to the Site. The extent of TCE relative to its CHHSL for residential land use is defined to the north, west, and east of this localized area, but is undefined to the south.

In addition to the soil vapor data collected during this investigation, previous Site data was reviewed to evaluate potential vapor intrusion into the existing Site building. Assuming that the Site will continue to be used for commercial/industrial purposes, analytical data generated to date indicates that there does not appear to be potential human health risks in association with on-site worker exposure inside the building nor does there appear to be potential risk to the environment.

In summary, analytical data from this investigation and previous investigations does not establish the existence of a source of VOCs within the Site building footprint. Analytical data shows that sources for the VOCs are located offsite. Site investigations and feasibility studies conducted to date show that there

is no practical alternative for remediating the Site. Pilot study results show that biodegradation is occurring at a slow rate at the Site, and that ORC injection is not a practical remedial alternative. Because biodegradation is occurring at a slow rate beneath the Site, natural attenuation of the Site constituents will likely occur over time.

On the basis of the conclusions presented above, Bureau Veritas recommends that no further investigation or remedial action be performed at the Site. It is further recommended that a No Further Action (NFA) letter be issued for the Site.

6.0 REPRESENTATIONS AND LIMITATIONS

This report is based upon current Site conditions known by Bureau Veritas and current laws, policies, and regulations. The information and opinions rendered in this Report are exclusively for use by National Technical Systems, Inc. No other party shall rely on the information or opinions presented in this report. Bureau Veritas will not distribute or publish this report without consent except as required by law or court order. The information and opinions expressed in this report are given in response to a limited assignment and should be considered and implemented only in light of that assignment. The services provided by Bureau Veritas in completing this project were consistent with normal standards of the profession. No other warranty, expressed or implied, is made.

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TABLES

TABLE 1

SOIL VAPOR ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS (VOCs)
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA

Boring	Sample Date	Sample Depth (feet)	Purge Volume	TCE (ug/m3)	cis-1,2-DCE (ug/m3)	Benzene (ug/m3)
B-12	6/4/2009	3	3	ND 100	ND 100	ND 100
B-13	6/4/2009	3	3	ND 100	ND 100	ND 100
B-14	6/4/2009	3	3	ND 100	ND 100	ND 100
B-15	6/4/2009	3	3	ND 100	ND 100	ND 100
B-16	6/4/2009	3	3	**570**	ND 100	ND 100
B-16 DUP	6/4/2009	3	3	**590**	ND 100	ND 100
B-17	6/3/2009	3	3	ND 100	ND 100	ND 100
B-18	6/3/2009	3	3	**200**	**670**	ND 100
B-18 DUP	6/3/2009	3	3	**180**	**580**	ND 100
B-19	6/3/2009	3	3	ND 100	ND 100	ND 100
B-20	6/3/2009	3	3	ND 100	ND 100	ND 100
B-21	6/3/2009	3.5	3	ND 100	ND 100	ND 100
SV-1	6/3/2009	3	3	ND 100	ND 100	ND 100
SV-1 DUP	6/3/2009	3	3	ND 100	ND 100	ND 100
SV-2	6/3/2009	3	3	ND 100	ND 100	ND 100
SV-3	6/3/2009	3.5	3	ND 100	ND 100	ND 100
SVGW-1	6/3/2009	3	3	ND 100	ND 100	ND 100
SVGW-2	6/3/2009	3	3	ND 100	ND 100	ND 100
SVGW-3	6/3/2009	3	1	ND 100	ND 100	ND 100
SVGW-3	6/3/2009	3	3	ND 100	ND 100	ND 100
SVGW-3	6/3/2009	3	7	ND 100	ND 100	ND 100
SVGW-4	6/3/2009	3	3	ND 100	ND 100	ND 100
AIR BLANK	6/3/2009	--	--	ND 100	ND 100	ND 100
AIR BLANK	6/4/2009	--	--	ND 100	ND 100	ND 100
			CHHSL res	**528**	15,900	36.2
			CHHSL c/i	1,770	44,400	122

Notes:
Soil vapor samples analyzed by USEPA Method 8260.
Analytical results are reported in micrograms per cubic meter (µg/m3).
ND 100 refers to not detected at or above the indicated laboratory reporting limit.
DUP refers to duplicate sample.
VOCs refer to Volatile OrganIc Compounds.
TCE refers to Trichloroethene.
cis-1,2-DCE refers to cis-1,2-Dichloroethene.
"--" refers to not applicable.
CHHSL res = California Human Health Screening Level (residential land use) (Cal/EPA, January 2005).
CHHSL c/i = California Human Health Screening Level (commercial/industrial land use) (Cal/EPA, January 2005).

TABLE 2

GROUNDWATER ANALYTICAL RESULTS
TPH-g, BTEX, AND VOLATILE ORGANIC COMPOUNDS (VOCs)
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA

Parameter	CDPH MCL (ug/L)	Sample ID/Sample Date											
		SVGW-1 6/10/2009 (ug/L)	SVGW-2 6/8/2009 (ug/L)	SVGW-3 6/8/2009 (ug/L)	SVGW-4 6/8/2009 (ug/L)	B-11 6/5/2009 (ug/L)	B-12 6/5/2009 (ug/L)	B-13 6/4/2009 (ug/L)	B-14 6/5/2009 (ug/L)	B-15 6/4/2009 (ug/L)	B-16 6/5/2009 (ug/L)	B-17 6/5/2009 (ug/L)	B-18 6/5/2009 (ug/L)
TPH-g/BTEX (EPA 8015B/8021B)													
TPH-g	-	**9700**	**1100**	**910 Y**	**61000**	**46000**	**57 Y**	**180**	**26000**	**88000**	**38000**	**120 Y**	**1000**
Benzene	**1**	**4100**	**350 C**	**74**	**17000 C**	**510 C**	**5.7**	**15**	**4800**	**5000**	**760**	ND 0.50	**65**
Toluene	**150**	**230**	ND 2.5	**4.5**	**16000 C**	**690**	**0.7**	ND 0.50	**42**	**640**	ND 5.0	ND 0.50	**24**
Ethylbenzene	**300**	**230**	**45**	**13**	**380**	**970**	**0.59**	**6.9**	**460**	**1900**	**1700**	ND 0.50	**8.4**
m,p-Xylenes	**1750**	**410**	**19**	**2.4**	**1100 C**	**2600**	ND 0.50	**1.6**	**400**	**4000**	**760**	ND 0.50	**38 C**
o-Xylene	**1750**	**100**	ND 2.5	**0.96 C**	**460**	**570**	ND 0.50	ND 0.50	**15**	**340 C**	**68**	ND 0.50	**5.5**
VOCs (EPA 8260B & 8010B)													
Benzene	**1**	**4100**	**290**	**45**	**15000**	**64**	**8.4**	**18**	**6200**	**5200**	**930**	ND 0.5	**65**
Toluene	**150**	**210**	ND 1.7	ND 2.5	**15000**	**590**	ND 0.5	ND 0.5	ND 50	**470**	ND 25	ND 0.5	**33**
Ethylbenzene	**300**	**210**	**43**	**12**	**400**	**1000**	ND 0.5	**9.0**	**580**	**1100**	**1800**	ND 0.5	**11**
m,p-Xylene	**1750**	**400**	**20**	**7.4**	**1000**	**2500**	ND 0.5	**1.9**	**450**	**2200**	**720**	ND 0.5	**45**
o-Xylene	**1750**	**91**	ND 1.7	ND 2.5	**460**	**560**	ND 0.5	ND 0.5	ND 50	ND 170	ND 25	ND 0.5	**8.9**
Trichloroethene	**5**	ND 25	ND 1.7	ND 2.5	ND 130	ND 20	ND 0.5	ND 0.5	**4000**	**1800**	**33**	**1.3**	**470**
cis-1,2-Dichloroethene	**6**	ND 25	**3.9**	**220**	ND 130	ND 20	ND 0.5	ND 0.5	**5600**	**31000**	**3700**	**9**	**47**
Trans-1,2-Dichloroethene	-	ND 25	ND 1.7	**31**	ND 130	ND 20	ND 0.5	ND 0.5	ND 50	ND 170	**54**	**3.3**	**36**
Vinyl Chloride	**0.5**	ND 25	ND 1.7	**92**	ND 130	ND 20	ND 0.5	ND 0.5	ND 50	ND 170	ND 25	ND 0.5	ND 1.0
1,1-Dichloroethene	**6**	ND 25	ND 1.7	ND 2.5	ND 130	ND 20	ND 0.5	ND 0.5	ND 50	ND 170	ND 25	ND 0.5	**1.1**
1,2-Dichloroethane	**0.5**	ND 25	**3.8**	ND 2.5	**240**	ND 20	ND 0.5	ND 0.5	ND 50	ND 170	ND 25	ND 0.5	ND 1.0
Naphthalene	-	**210**	ND 6.7	ND 10	ND 500	**720**	ND 2.0	**3.3**	ND 200	ND 170	ND 100	ND 2.0	ND 4.0
Methyl-tert-butyl ether	-	ND 25	ND 1.7	ND 2.5	ND 130	ND 20	ND 0.5	ND 0.5	ND 50	ND 170	ND 25	ND 0.5	ND 1.0
n-Butylbenzene	-	ND 25	**3.8**	**9.2**	ND 130	ND 20	ND 0.5	**1.7**	ND 50	ND 170	ND 25	ND 0.5	ND 1.0
sec-Butylbenzene	-	ND 25	**2.1**	**8.2**	ND 130	ND 20	ND 0.5	ND 0.5	ND 50	ND 170	**64**	**0.5**	**1.5**
tert-Butylbenzene	-	ND 25	**1.9**	**11**	ND 130	**24**	ND 0.5	**0.6**	ND 50	ND 170	ND 25	**5.1**	**4.9**
Isopropylbenzene	-	ND 25	**6.5**	**33**	ND 130	**86**	ND 0.5	**3.8**	**86**	ND 170	**1000**	ND 0.5	**13**
Propylbenzene	-	**50**	**8.5**	**14**	ND 130	**230**	ND 0.5	**5.1**	**180**	**170**	**1100**	ND 0.5	**6.2**
1,2,4-Trimethylbenzene	-	**550**	**20**	**4.9**	**620**	**2500**	ND 0.5	**5.3**	**1100**	**1300**	**1400**	ND 0.5	**42**
1,3,5-Trimethylbenzene	-	**140**	**5.3**	ND 2.5	**150**	**630**	ND 0.5	**1.9**	**280**	**360**	**180**	ND 0.5	**13**
Acetone	-	ND 500	ND 33	**69**	ND 2500	ND 400	ND 10	ND 10	ND 1000	ND 3300	ND 500	ND 0.5	ND 20
Carbon Disulfide	-	ND 25	ND 1.7	**2.6**	ND 130	ND 20	ND 0.5	ND 0.5	ND 50	ND 170	ND 25	ND 0.5	ND 1.0

Notes:
TPH-g refers to total petroleum hydrocarbons quantified as gasoline.
BTEX refers to benzene, toluene, ethylbenzene, and xylenes.
TPH-g/BTEX were analyzed using EPA Method 8015B/8021B.
BTEX constituents also were analyzed using EPA 8260B in Borings SVGW-1 through SVGW-4 and B-11 through B-21.
VOCs refer to volatile organic compounds and were analyzed using EPA Method 8260B in Borings SVGW-1 through SVGW-4 and B-11 through B-21.
VOCs also were analyzed for using EPA Method 8010B in Wells MW-1, MW-2, and MW-6 through MW-13.
"-" refers to not established. "--" refers to not analyzed.
C refers to presence confirmed, but RPD exceeds 40%. Y refers to chromatographic pattern which does not resemble standard.
ND 25 refers to non detected at or above the laboratory reporting limit.
CDPH MCL refers to the California Department of Public Health Maximum Contaminant Levels.

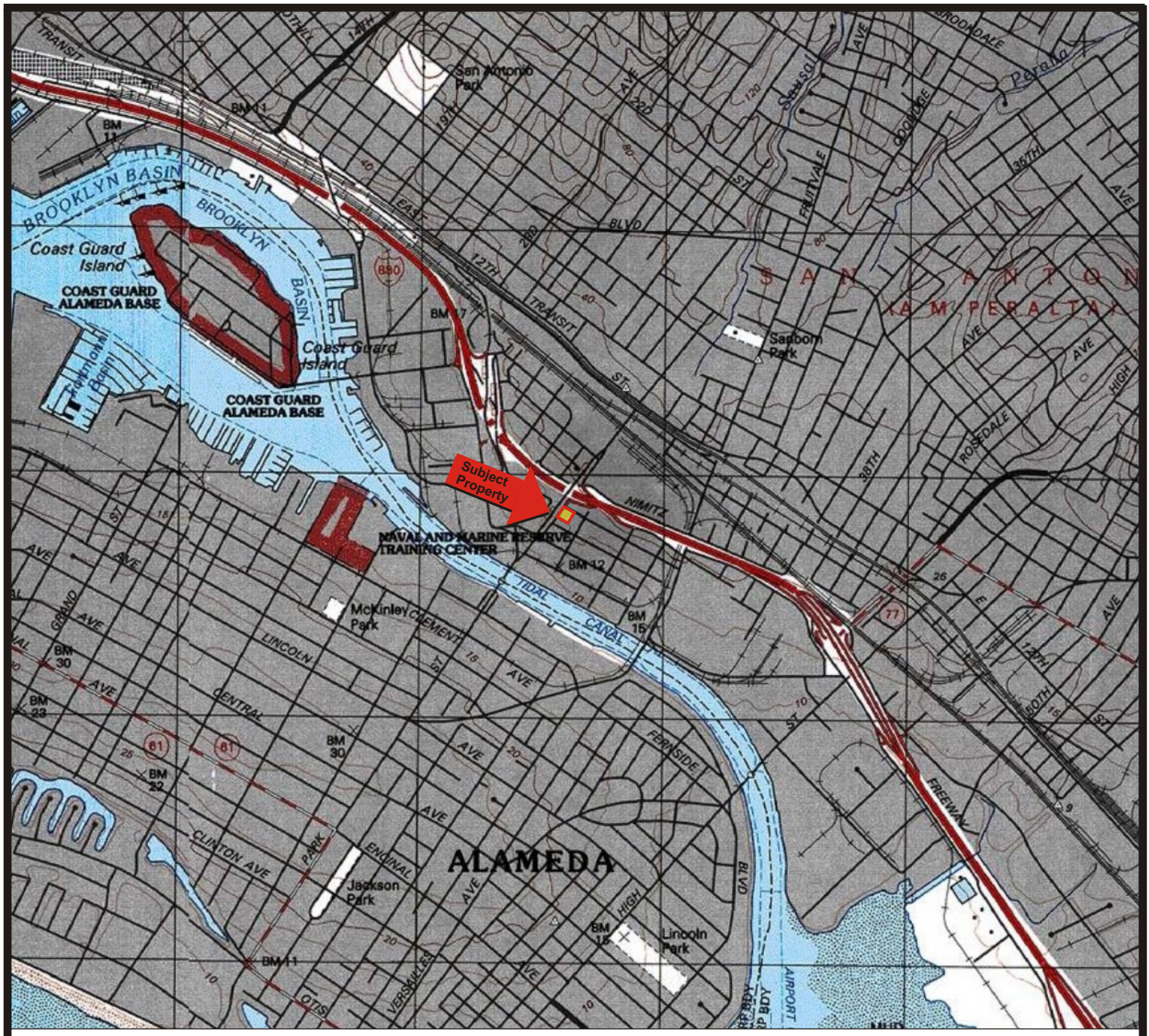
TABLE 2

GROUNDWATER ANALYTICAL RESULTS
TPH-g, BTEX, AND VOLATILE ORGANIC COMPOUNDS (VOCs)
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA

Parameter	CDPH MCL (ug/L)	Sample ID/Sample Date												
		B-19 6/5/2009 (ug/L)	B-20 6/4/2009 (ug/L)	B-21 6/12/2009 (ug/L)	MW-1 6/12/2009 (ug/L)	MW-2 6/12/2009 (ug/L)	MW-6 6/12/2009 (ug/L)	MW-7 6/12/2009 (ug/L)	MW-8 6/12/2009 (ug/L)	MW-9 6/12/2009 (ug/L)	MW-10 6/12/2009 (ug/L)	MW-11 6/12/2009 (ug/L)	MW-12 6/12/2009 (ug/L)	MW-13 6/12/2009 (ug/L)
TPH-g/BTEX (EPA 8015B/8021B)														
TPH-g	-	**60 Y**	**270**	**440 Y**	**7900**	**30000**	ND 50	ND 50	**2000 Y**	**43000**	ND 50	ND 50	**75 Y**	**2200**
Benzene	**1**	ND 0.50	**9.6**	ND 0.5	**1500**	**9400**	ND 0.5	ND 0.5	**210 C**	**12000**	ND 0.5	**1**	**1.7**	**14**
Toluene	**150**	ND 0.50	**0.54**	ND 0.5	**170**	**490**	ND 0.5	ND 0.5	ND 0.5	**77**	ND 0.5	ND 0.5	ND 0.5	**4.4**
Ethylbenzene	**300**	ND 0.50	**18**	ND 0.5	**360**	**1300**	ND 0.5	ND 0.5	**120 C**	**1500**	ND 0.5	ND 0.5	ND 0.5	**23 C**
m,p-Xylenes	**1750**	ND 0.50	**2.1**	ND 0.5	**220**	**1200**	ND 0.5	ND 0.5	ND 0.5	**1500**	ND 0.5	ND 0.5	ND 0.5	**7.1 C**
o-Xylene	**1750**	ND 0.50	ND 0.5	ND 0.5	**61**	**280**	ND 0.5	ND 0.5	ND 0.5	**160**	ND 0.5	ND 0.5	ND 0.5	ND 0.5
VOCs (EPA 8260B & 8010B)														
Benzene	**1**	ND 0.5	**12**	ND 0.5	--	--	--	--	--	--	--	--	--	--
Toluene	**150**	ND 0.5	ND 0.5	ND 0.5	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	**300**	ND 0.5	**24**	ND 0.5	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	**1750**	ND 0.5	**2.6**	ND 0.5	--	--	--	--	--	--	--	--	--	--
o-Xylene	**1750**	ND 0.5	ND 0.5	ND 0.5	--	--	--	--	--	--	--	--	--	--
Trichloroethene	**5**	**91**	**8.1**	ND 0.5	ND 4.2	ND 31	ND 0.5	ND 0.5	ND 7.1	ND 36	ND 0.5	ND 0.5	**98**	**17**
cis-1,2-Dichloroethene	**6**	**20**	**47**	ND 0.5	ND 4.2	ND 31	ND 0.5	ND 0.5	**920**	ND 36	ND 0.5	ND 0.5	**42**	**48**
Trans-1,2-Dichloroethene	-	**5.9**	**24**	ND 0.5	ND 4.2	ND 31	ND 0.5	ND 0.5	**36**	ND 36	ND 0.5	ND 0.5	**42**	**69**
Vinyl Chloride	**0.5**	ND 0.5	ND 0.5	ND 0.5	ND 4.2	ND 31	ND 0.5	ND 0.5	**100**	ND 36	ND 0.5	ND 0.5	ND 1.0	**4.7**
1,1-Dichloroethene	**6**	ND 0.5	ND 0.5	ND 0.5	ND 4.2	ND 31	ND 0.5	ND 0.5	ND 7.1	ND 36	ND 0.5	ND 0.5	ND 1.0	ND 0.5
1,2-Dichloroethane	**0.5**	ND 0.5	ND 0.5	ND 0.5	ND 4.2	ND 31	ND 0.5	ND 0.5	ND 7.1	ND 36	ND 0.5	ND 0.5	ND 1.0	ND 0.5
Naphthalene	-	ND 2.0	**8.1**	ND 2.0	--	--	--	--	--	--	--	--	--	--
Methyl-tert-butyl ether	-	**4.2**	ND 0.5	ND 0.5	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene	-	ND 0.5	**5.5**	**0.8**	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	-	ND 0.5	**0.6**	**1.1**	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	-	ND 0.5	**0.7**	ND 0.5	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	-	ND 0.5	**2.1**	**0.8**	--	--	--	--	--	--	--	--	--	--
Propylbenzene	-	ND 0.5	**6.6**	**0.5**	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	-	ND 0.5	**0.6**	ND 0.5	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	-	ND 0.5	**1.3**	ND 0.5	--	--	--	--	--	--	--	--	--	--
Acetone	-	ND 10	**10**	ND 10	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	-	ND 0.5	ND 0.5	ND 0.5	--	--	--	--	--	--	--	--	--	--

Notes:
TPH-g refers to total petroleum hydrocarbons quantified as gasoline.
BTEX refers to benzene, toluene, ethylbenzene, and xylenes.
TPH-g/BTEX were analyzed using EPA Method 8015B/8021B.
BTEX constituents also were analyzed using EPA 8260B in Borings SVGW-1 through SVGW-4 and B-11 through B-21.
VOCs refer to volatile organic compounds and were analyzed using EPA Method 8260B in Borings SVGW-1 through SVGW-4 and B-11 through B-21.
VOCs also were analyzed for using EPA Method 8010B in Wells MW-1, MW-2, and MW-6 through MW-13.
"-" refers to not established. "--" refers to not analyzed.
C refers to presence confirmed, but RPD exceeds 40%. Y refers to chromatographic pattern which does not resemble standard.
ND 25 refers to non detected at or above the laboratory reporting limit.
CDPH MCL refers to the California Department of Public Health Maximum Contaminant Levels.

FIGURES



Map Source: TOPO!© 2000 National Geographic Holdings

Note: Boundaries and Location Information is Approximate

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

Portion of the 7.5-Minute Series Oakland East, California
Quadrangle Topographic Map (Datum: NAD 27)
United States Department of the Interior
Geological Survey
1997

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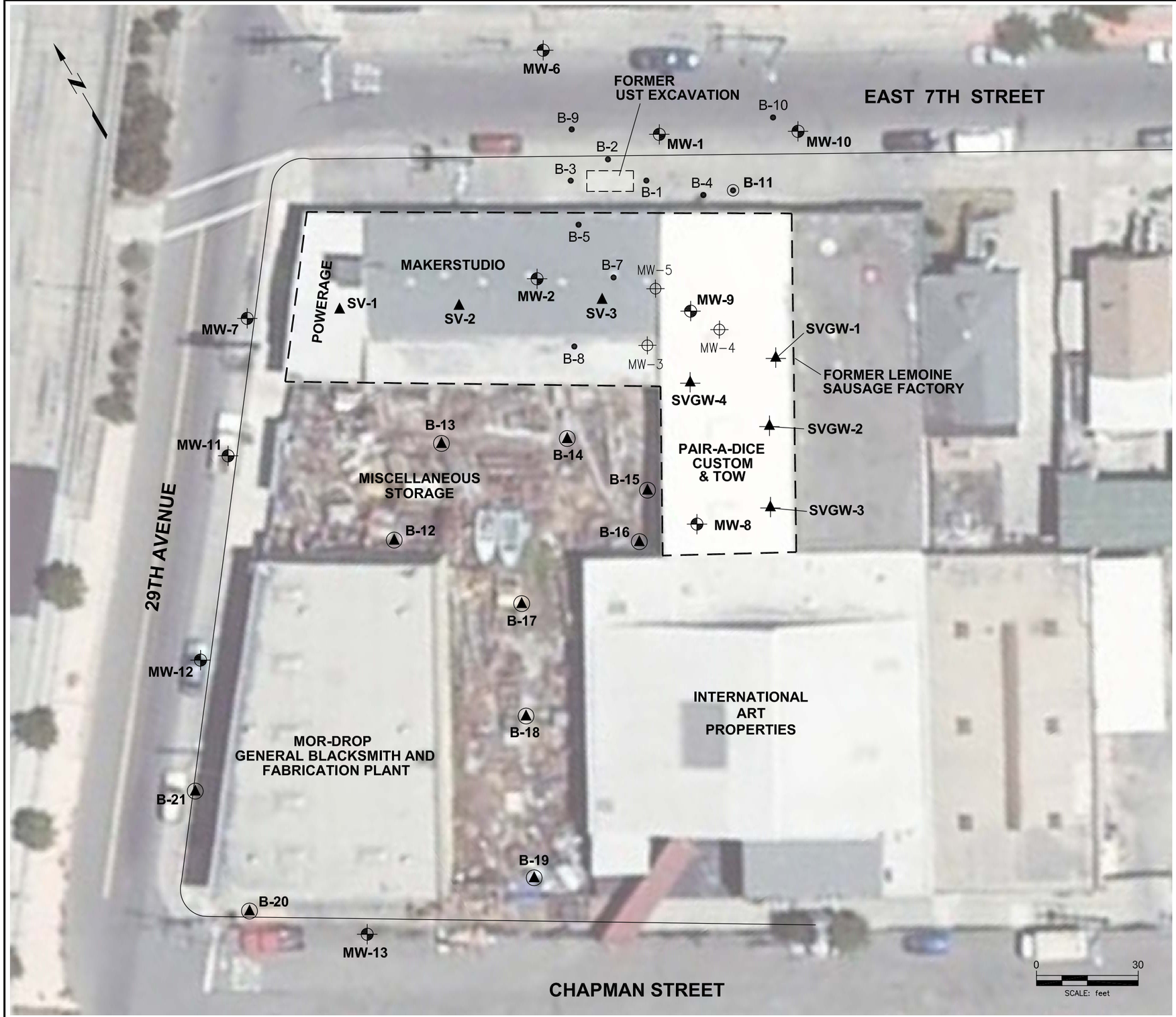
CALIF

QUADRANGLE LOCATION

PROPERTY LOCATION MAP
Former Lemoine Sausage Factory
630 29th Avenue
Oakland, California
Project No. 33104-004578.00

FIGURE
1

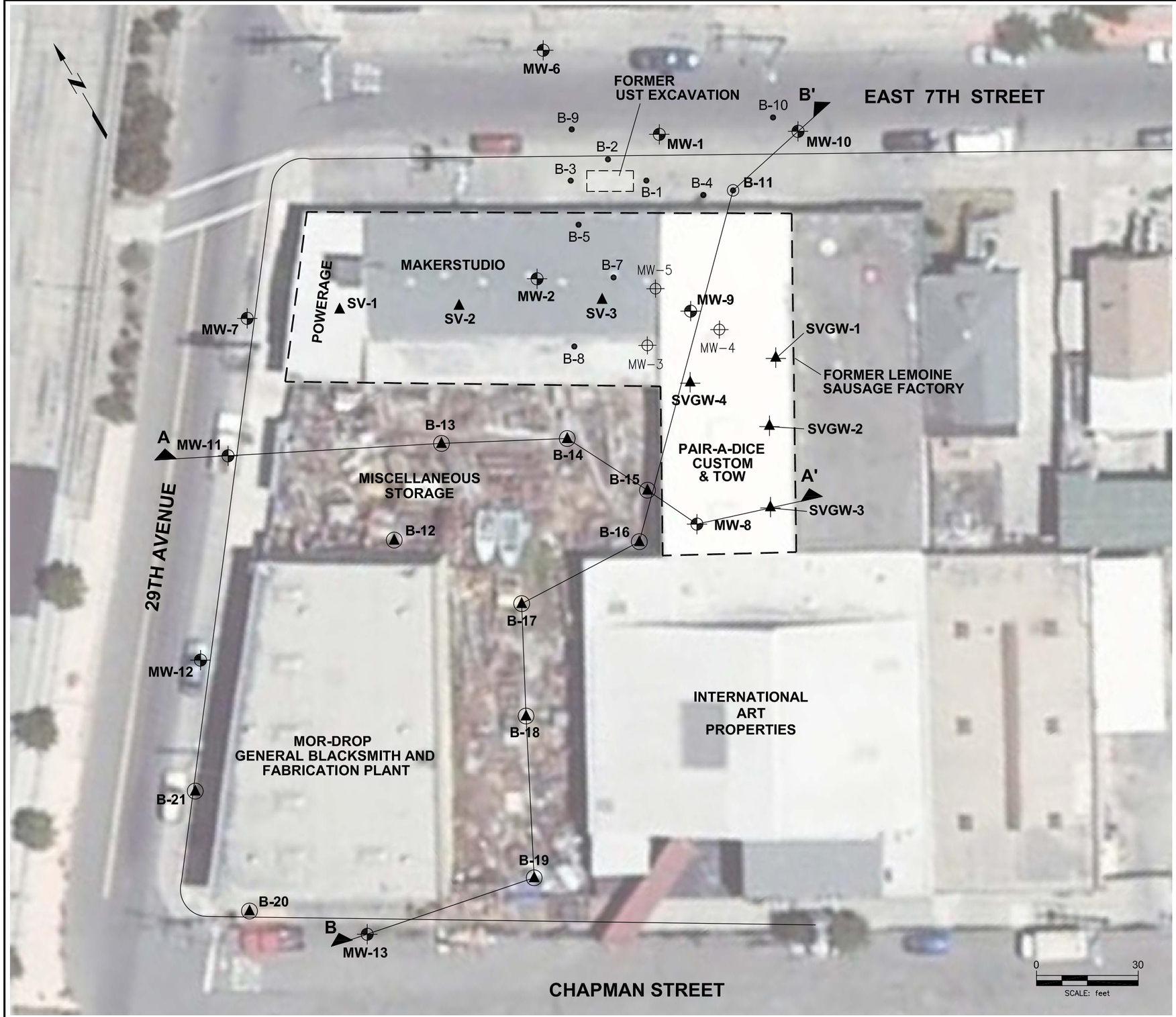
BUREAU VERITAS



LEGEND:

- Existing Monitoring Well
- Abandoned Monitoring Well
- Soil Boring
- Soil Vapor Boring
- Soil Vapor/Grab Groundwater Boring
- Soil Vapor, Soil, and Grab Groundwater Boring
- Exploratory Boring

SITE PLAN FORMER LEMOINE SAUSAGE FACTORY 630 29TH AVENUE OAKLAND, CALIFORNIA Project No. 33104-004578.00	Figure **2** 08/27/09 SITE0809.DWG	BUREAU VERITAS



LEGEND:

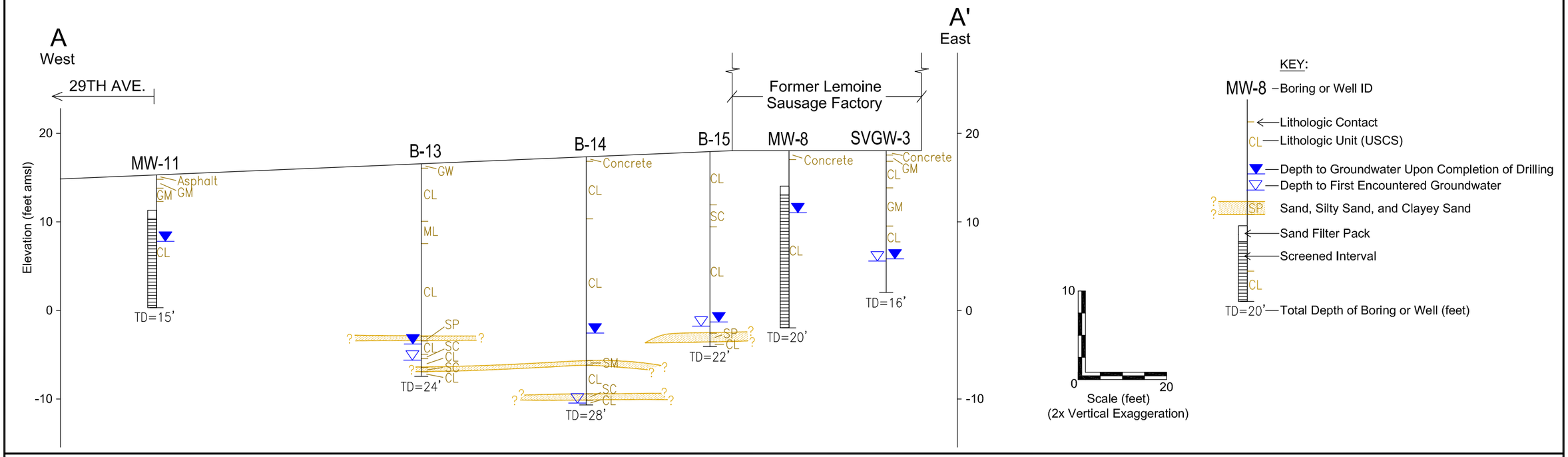
- Existing Monitoring Well
- Abandoned Monitoring Well
- Soil Boring
- Soil Vapor Boring
- Soil Vapor/Grab Groundwater Boring
- Soil Vapor, Soil, and Grab Groundwater Boring
- Exploratory Boring
- A A' Cross-Section Locations

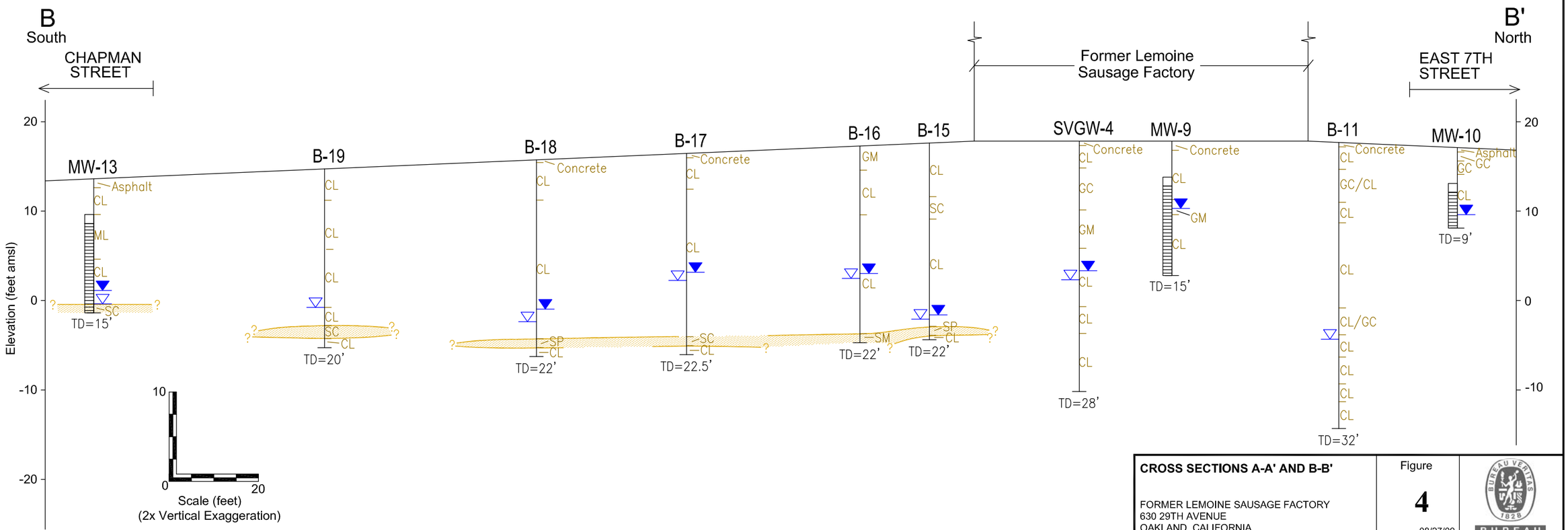
CROSS-SECTION LOCATIONS

FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA
Project No. 33104-004578.00

Figure
3
08/27/09
SITE0809.DWG

BUREAU VERITAS



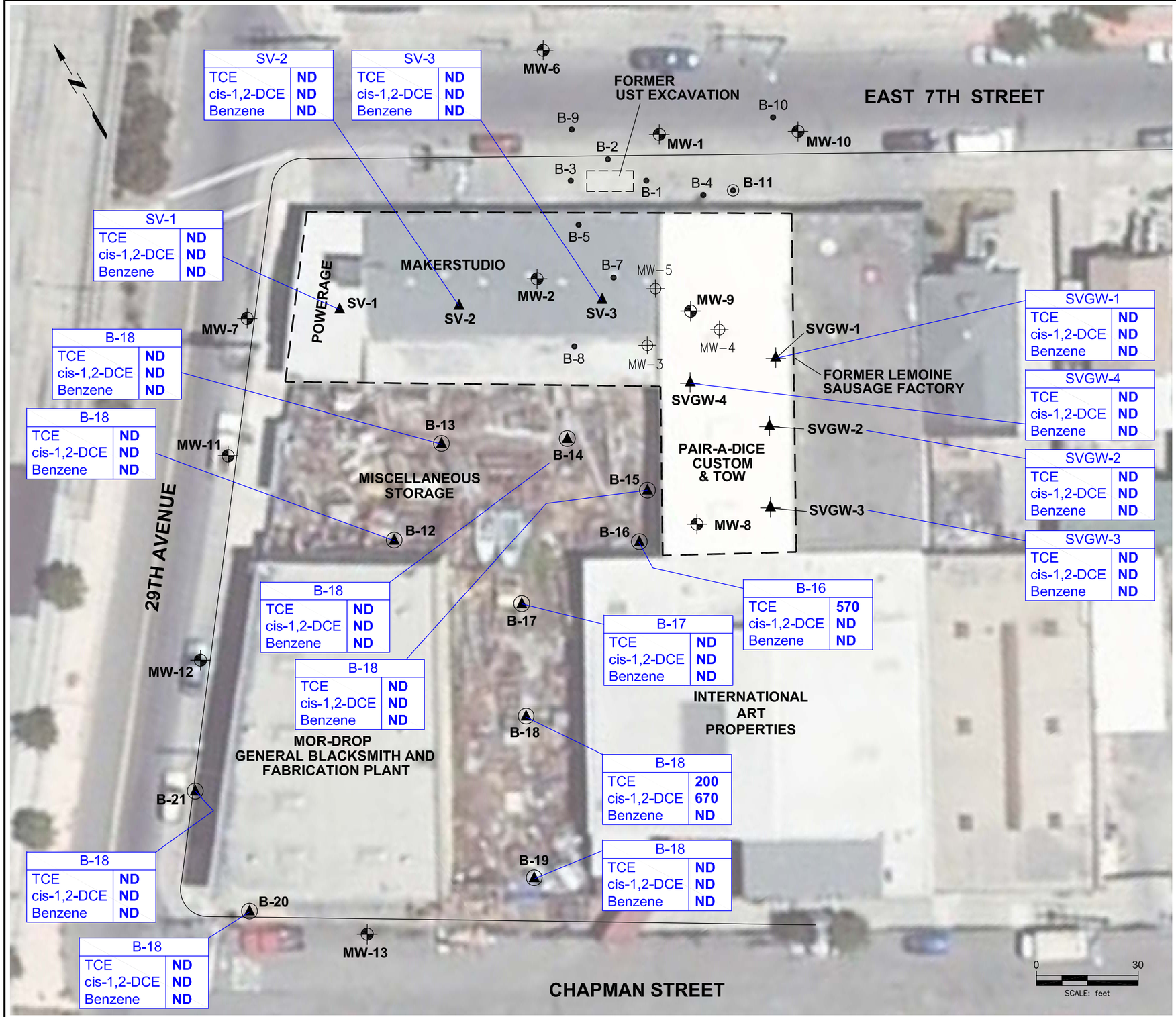


CROSS SECTIONS A-A' AND B-B'

FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA
Project No. 33104-004578.00

Figure
4
08/27/09
SITE0809.DWG

BUREAU VERITAS



LEGEND:

- Existing Monitoring Well
- Abandoned Monitoring Well
- Soil Boring
- Soil Vapor Boring
- Soil Vapor/Grab Groundwater Boring
- Soil Vapor, Soil, and Grab Groundwater Boring
- Exploratory Boring

Notes:

Soil vapor samples analyzed by USEPA Method 8260.

Analytical results are reported in micrograms per cubic meter (µg/m3).

'ND' refers to not detected at or above the indicated laboratory reporting limit.

TCE = Trichloroethylene

cis-1,2-DCE = cis-1,2-Dichloroethene

Soil vapor samples were obtained on June 3 and 4, 2009.

Soil vapor samples were obtained at the 3-ft depth, except for the samples at Borings B-21 and SV-3 (3.5 ft depth).

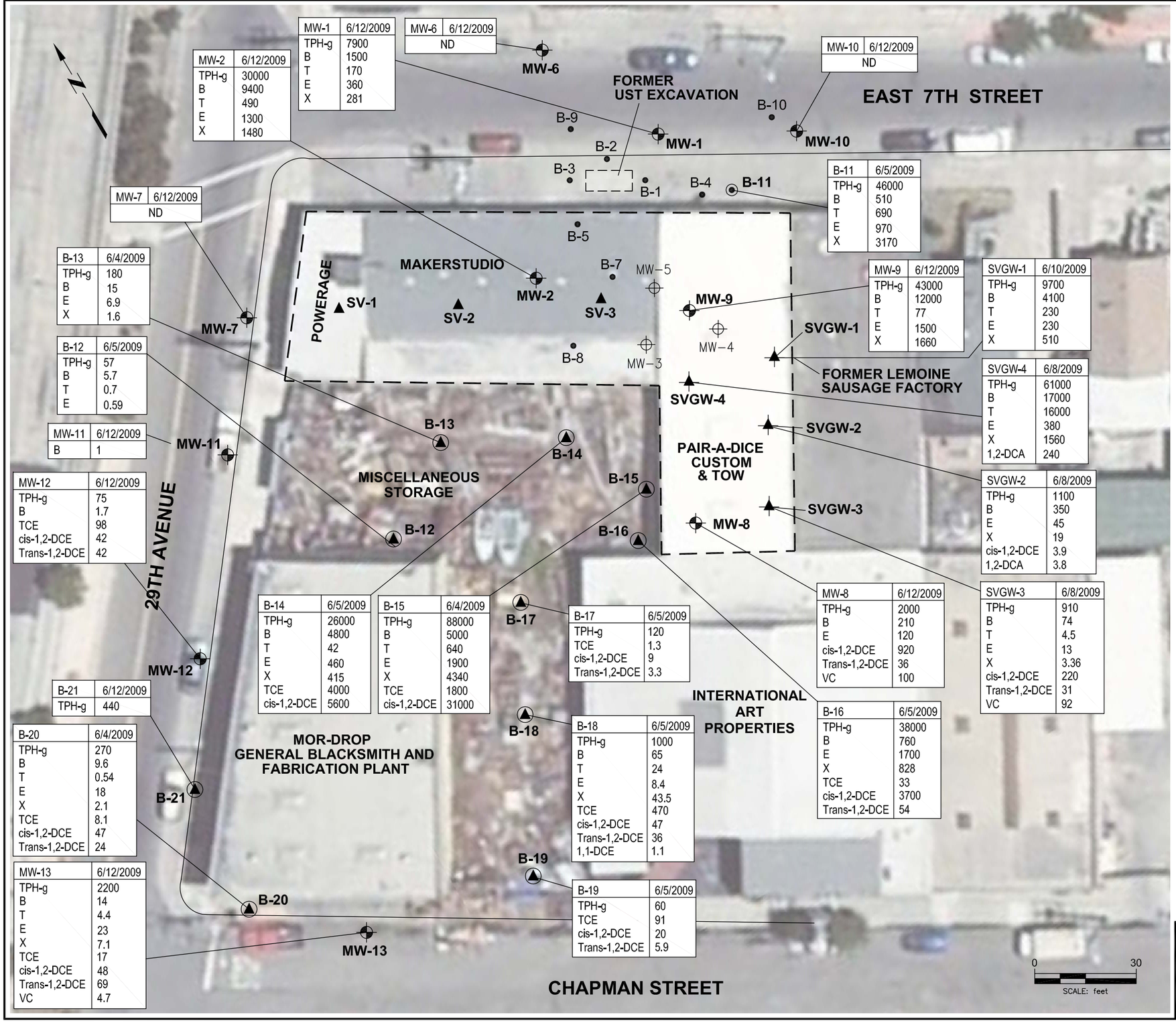
TCE, cis-1,2-DCE, AND BENZENE CONCENTRATIONS IN SOIL VAPOR

FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA
Project No. 33104-004578.00

Figure 5

08/31/09
SITE0809.DWG

BUREAU VERITAS



MW-1	6/12/2009
TPH-g	7900
B	1500
T	170
E	360
X	281

MW-2	6/12/2009
TPH-g	30000
B	9400
T	490
E	1300
X	1480

MW-6	6/12/2009
ND	

MW-10	6/12/2009
ND	

B-11	6/5/2009
TPH-g	46000
B	510
T	690
E	970
X	3170

MW-7	6/12/2009
ND	

B-13	6/4/2009
TPH-g	180
B	15
E	6.9
X	1.6

MW-9	6/12/2009
TPH-g	43000
B	12000
T	77
E	1500
X	1660

SVGW-1	6/10/2009
TPH-g	9700
B	4100
T	230
E	230
X	510

B-12	6/5/2009
TPH-g	57
B	5.7
T	0.7
E	0.59

SVGW-4	6/8/2009
TPH-g	61000
B	17000
T	16000
E	380
X	1560
1,2-DCA	240

MW-11	6/12/2009
B	1

SVGW-2	6/8/2009
TPH-g	1100
B	350
E	45
X	19
cis-1,2-DCE	3.9
1,2-DCA	3.8

MW-12	6/12/2009
TPH-g	75
B	1.7
TCE	98
cis-1,2-DCE	42
Trans-1,2-DCE	42

B-14	6/5/2009
TPH-g	26000
B	4800
T	42
E	460
X	415
TCE	4000
cis-1,2-DCE	5600

B-15	6/4/2009
TPH-g	88000
B	5000
T	640
E	1900
X	4340
TCE	1800
cis-1,2-DCE	31000

B-17	6/5/2009
TPH-g	120
TCE	1.3
cis-1,2-DCE	9
Trans-1,2-DCE	3.3

MW-8	6/12/2009
TPH-g	2000
B	210
E	120
cis-1,2-DCE	920
Trans-1,2-DCE	36
VC	100

SVGW-3	6/8/2009
TPH-g	910
B	74
T	4.5
E	13
X	3.36
cis-1,2-DCE	220
Trans-1,2-DCE	31
VC	92

B-21	6/12/2009
TPH-g	440

B-16	6/5/2009
TPH-g	38000
B	760
E	1700
X	828
TCE	33
cis-1,2-DCE	3700
Trans-1,2-DCE	54

B-18	6/5/2009
TPH-g	1000
B	65
T	24
E	8.4
X	43.5
TCE	470
cis-1,2-DCE	47
Trans-1,2-DCE	36
1,1-DCE	1.1

B-20	6/4/2009
TPH-g	270
B	9.6
T	0.54
E	18
X	2.1
TCE	8.1
cis-1,2-DCE	47
Trans-1,2-DCE	24

B-19	6/5/2009
TPH-g	60
TCE	91
cis-1,2-DCE	20
Trans-1,2-DCE	5.9

MW-13	6/12/2009
TPH-g	2200
B	14
T	4.4
E	23
X	7.1
TCE	17
cis-1,2-DCE	48
Trans-1,2-DCE	69
VC	4.7

LEGEND:

- Existing Monitoring Well
- Abandoned Monitoring Well
- Soil Boring
- Soil Vapor Boring
- Soil Vapor/Grab Groundwater Boring
- Soil Vapor, Soil, and Grab Groundwater Boring
- Exploratory Boring

Notes:

Results reported in micrograms per liter (ug/L).

TPH-g refers to total petroleum hydrocarbons quantified as gasoline.

BTEX refers to benzene, toluene, ethylbenzene, and xylenes.

TPH-g/BTEX were analyzed using EPA Method 8021B.

VOCs refer to volatile organic compounds, which were analyzed using EPA MethodS 8260B and 8610 (for the monitoring wells)

"–" refers to not analyzed.

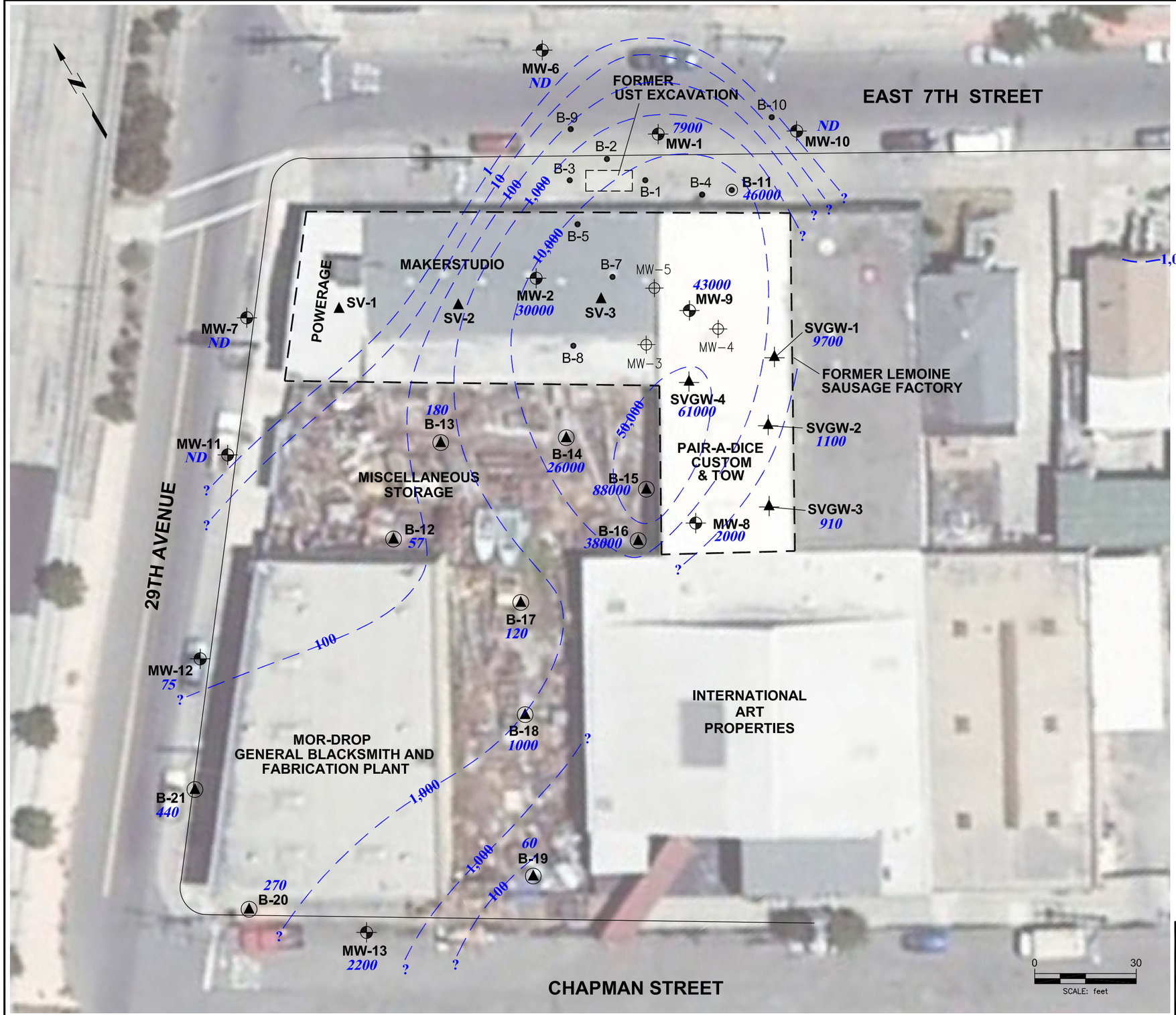
B	Benzene
T	Toluene
E	Ethylbenzene
X	Xylenes
TCE	Trichloroethene
cis-1,2-DCE	cis-1,2-Dichloroethene
Trans-1,2-DCE	Trans-1,2-Dichloroethene
1,1-DCE	1,1-Dichloroethene
1,2-DCA	1,2-Dichloroethane
VC	Vinyl Chloride

DISTRIBUTION OF TPH AND VOC CONCENTRATIONS IN GROUNDWATER

FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA
Project No. 33104-004578.00

Figure
6
08/27/09
SITE0809.DWG

BUREAU VERITAS



LEGEND:

- Existing Monitoring Well
- Abandoned Monitoring Well
- Soil Boring
- Soil Vapor Boring
- Soil Vapor/Grab Groundwater Boring
- Soil Vapor, Soil, and Grab Groundwater Boring
- Exploratory Boring

7900 TPH-g concentration (ug/L) in groundwater

1,000 TPH-g concentration contour (ug/L) in groundwater

Notes:

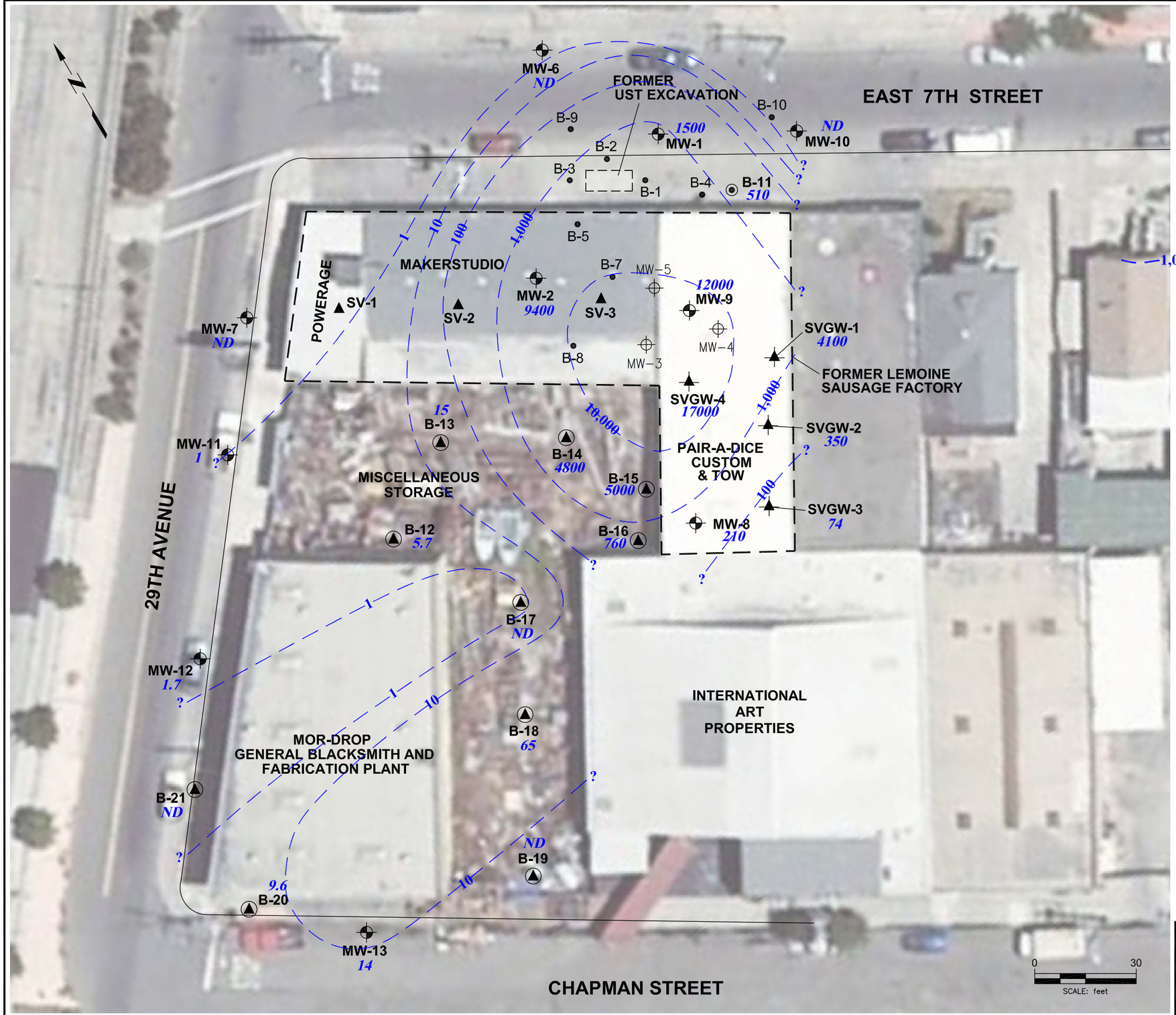
Results reported in micrograms per liter (ug/L).
TPH-g refers to total petroleum hydrocarbons quantified as gasoline.
TPH-g was analyzed using EPA Method 8021B.
ND refers to not detected.

TPH-g CONCENTRATIONS IN GROUNDWATER

FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA
Project No. 33104-004578.00

Figure
7
08/27/09
SITE0809.DWG

BUREAU VERITAS



LEGEND:

- Existing Monitoring Well
- Abandoned Monitoring Well
- Soil Boring
- Soil Vapor Boring
- Soil Vapor/Grab Groundwater Boring
- Soil Vapor, Soil, and Grab Groundwater Boring
- Exploratory Boring

1500 Benzene concentration (ug/L) in groundwater

1,000 Benzene concentration contour (ug/L) in groundwater

Notes:

Results reported in micrograms per liter (ug/L).
B refers to benzene.
Benzene was analyzed using EPA Method 8021B.
ND refers to not detected.

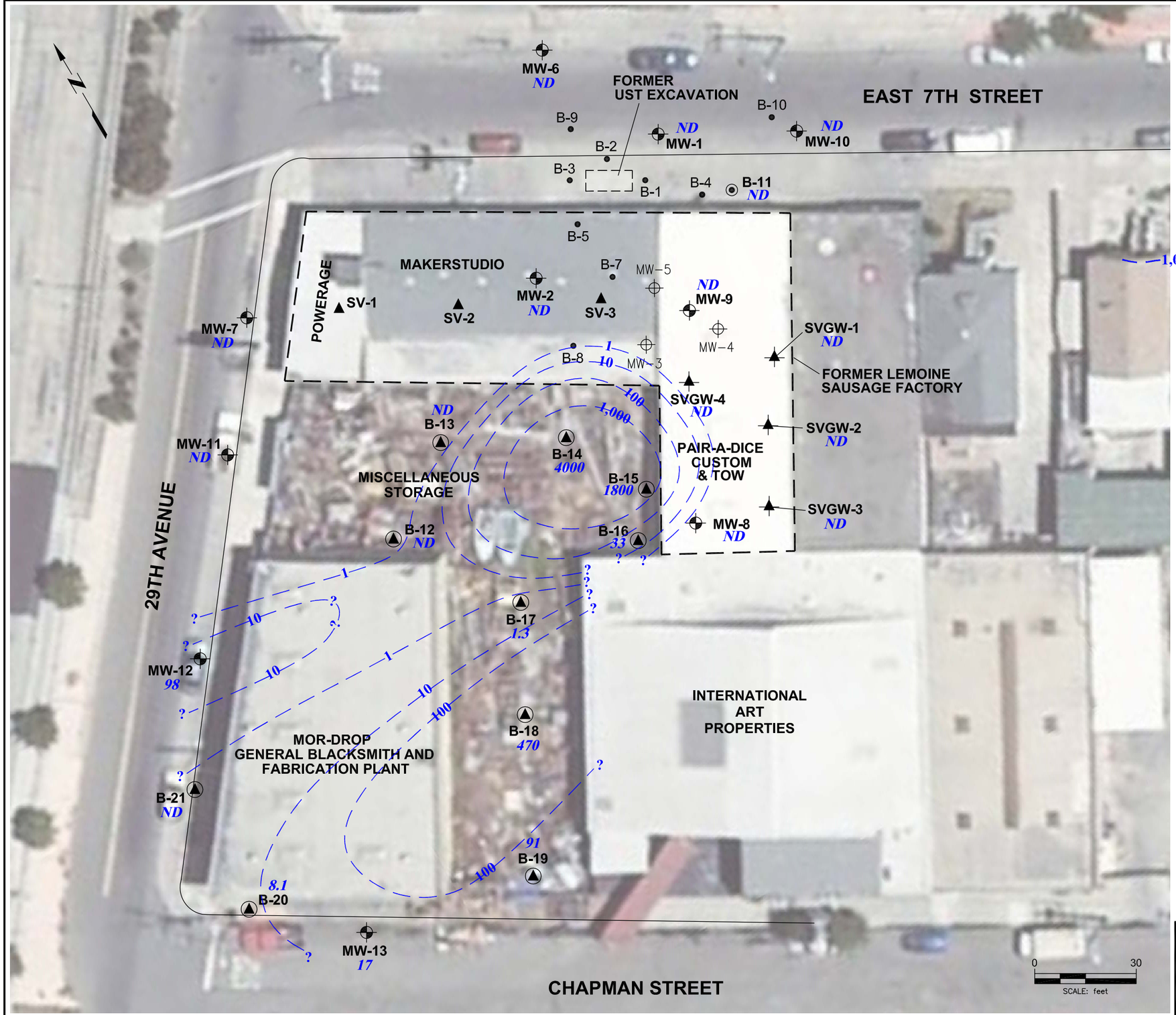
BENZENE CONCENTRATIONS IN GROUNDWATER

FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA
Project No. 33104-004578.00

Figure **8**

08/27/09
SITE0809.DWG

BUREAU VERITAS



LEGEND:

- Existing Monitoring Well
- Abandoned Monitoring Well
- Soil Boring
- Soil Vapor Boring
- Soil Vapor/Grab Groundwater Boring
- Soil Vapor, Soil, and Grab Groundwater Boring
- Exploratory Boring

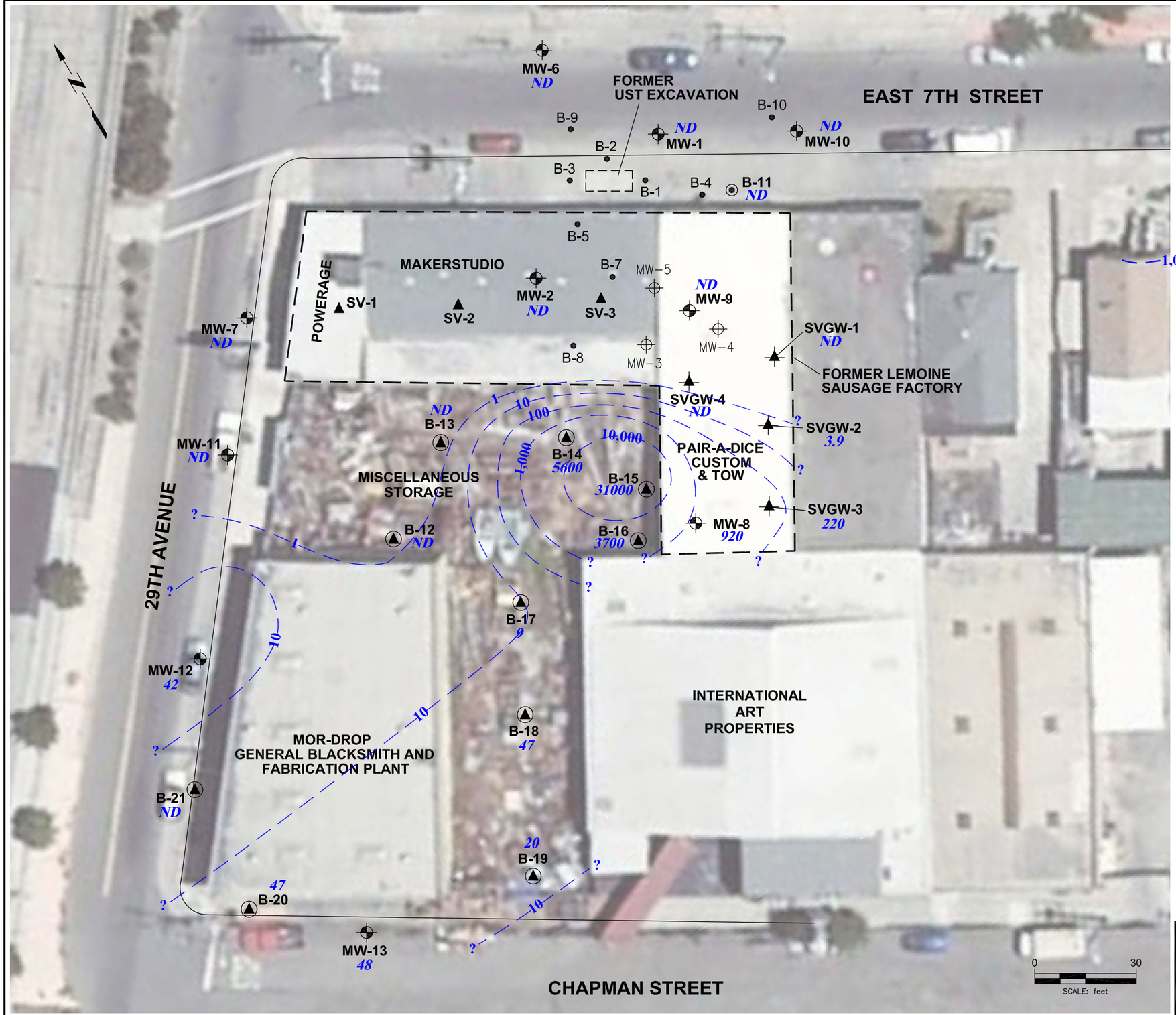
470 TCE concentration (ug/L) in groundwater

1,000 TCE concentration contour (ug/L) in groundwater

Notes:

Results reported in micrograms per liter (ug/L).
VOCs refer to volatile organic compounds, which were analyzed using EPA Method 8260B.
TCE refers to trichloroethene.
ND refers to not detected.

TCE CONCENTRATIONS IN GROUNDWATER FORMER LEMOINE SAUSAGE FACTORY 630 29TH AVENUE OAKLAND, CALIFORNIA Project No. 33104-004578.00	Figure **9** 08/27/09 SITE0809.DWG	BUREAU VERITAS



LEGEND:

- Existing Monitoring Well
- Abandoned Monitoring Well
- Soil Boring
- Soil Vapor Boring
- Soil Vapor/Grab Groundwater Boring
- Soil Vapor, Soil, and Grab Groundwater Boring
- Exploratory Boring

47 cis-1,2-DCE concentration (ug/L) in groundwater

1,000 — cis-1,2-DCE concentration contour (ug/L) in groundwater

Notes:

Results reported in micrograms per liter (ug/L).
VOCs refer to volatile organic compounds, which were analyzed using EPA Method 8260B.
cis-1,2-DCE refers to cis-1,2-dichloroethene.
ND refers to not detected.

cis-1,2-DCE CONCENTRATIONS IN GROUNDWATER

FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA
Project No. 33104-004578.00

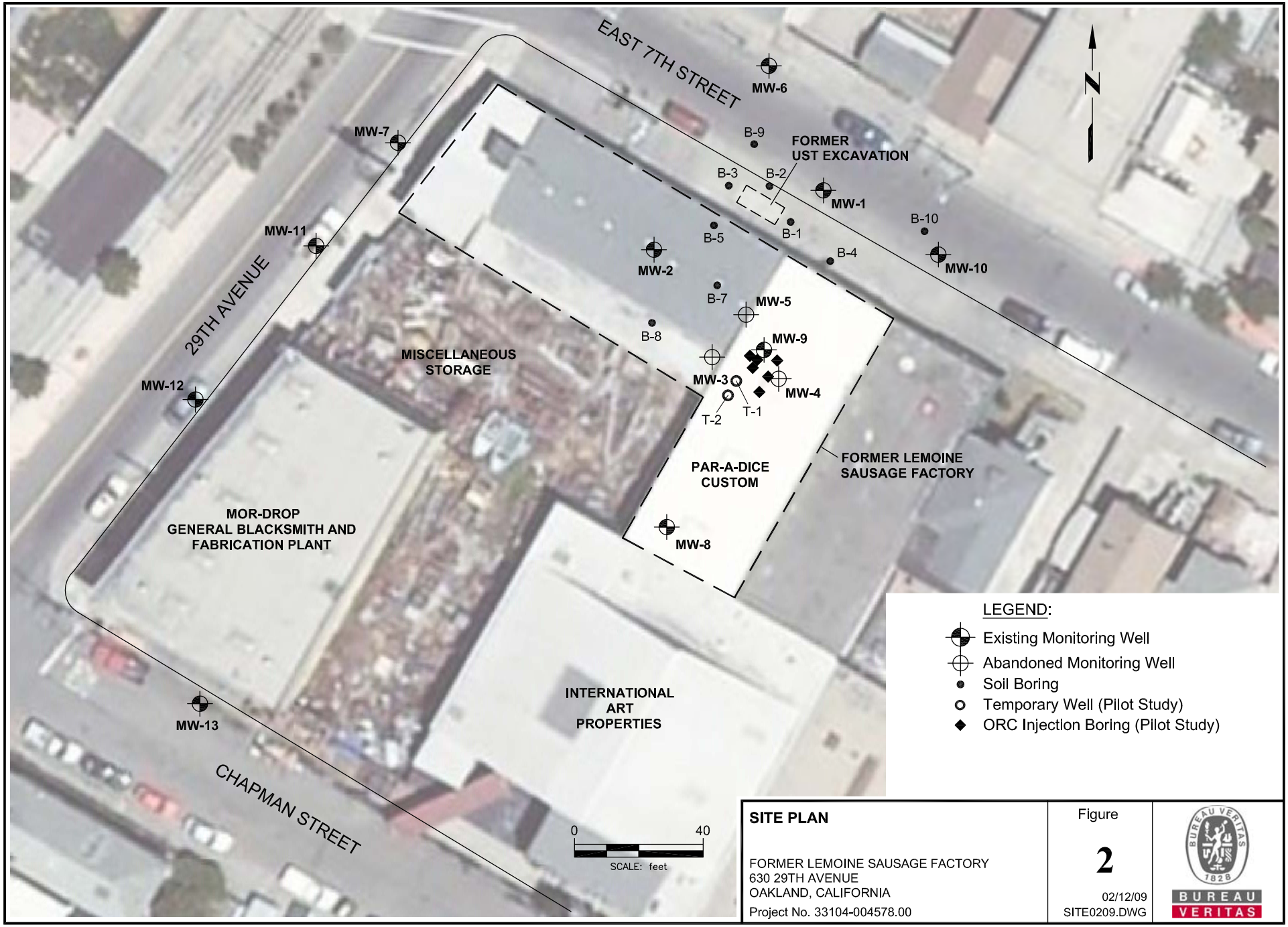
Figure **10**

08/27/09
SITE0809.DWG

BUREAU VERITAS

APPENDIX A

FIGURES SHOWING PREVIOUS INVESTIGATION RESULTS

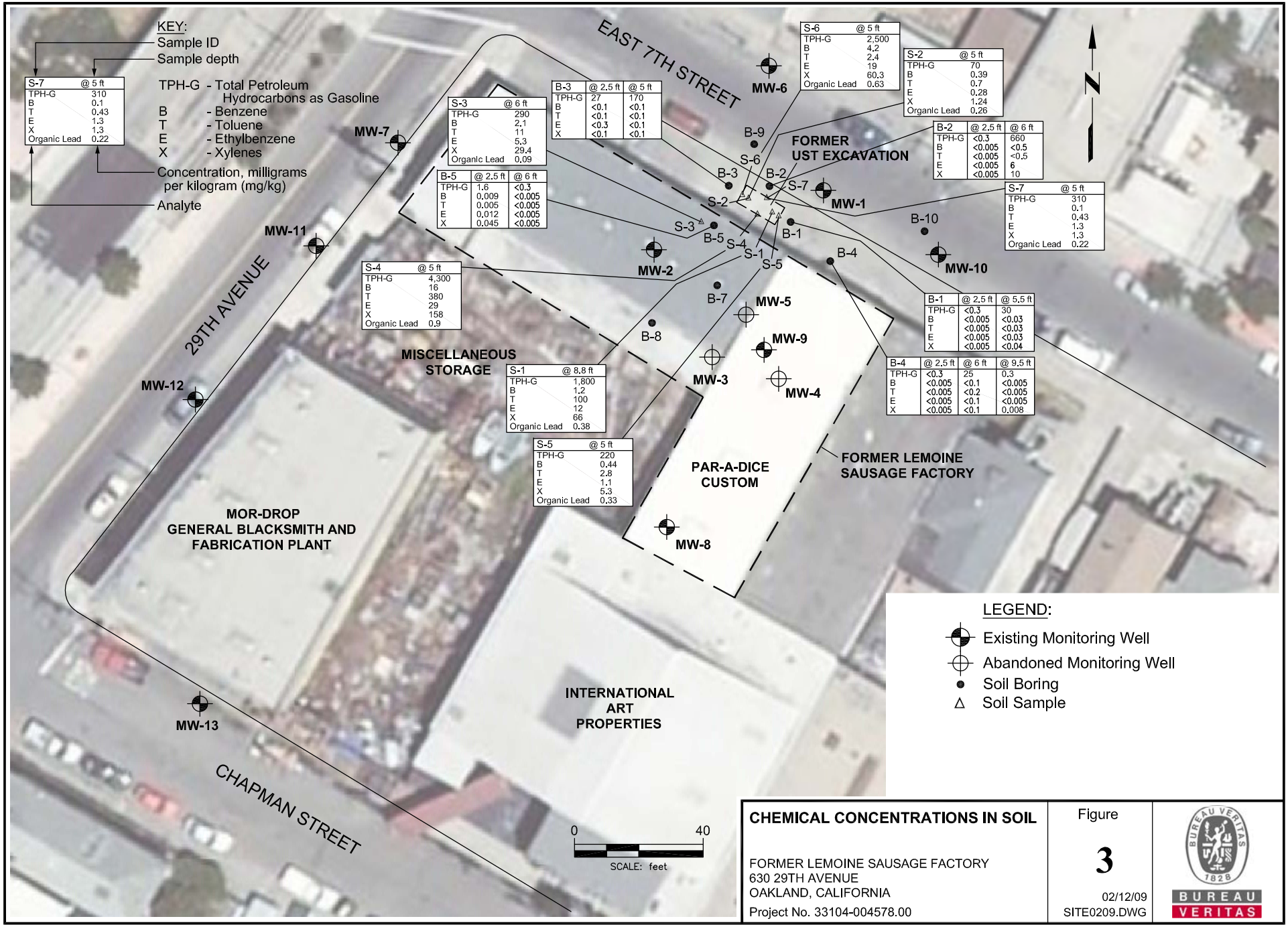


SITE PLAN

FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA
Project No. 33104-004578.00

Figure
2
02/12/09
SITE0209.DWG

BUREAU VERITAS

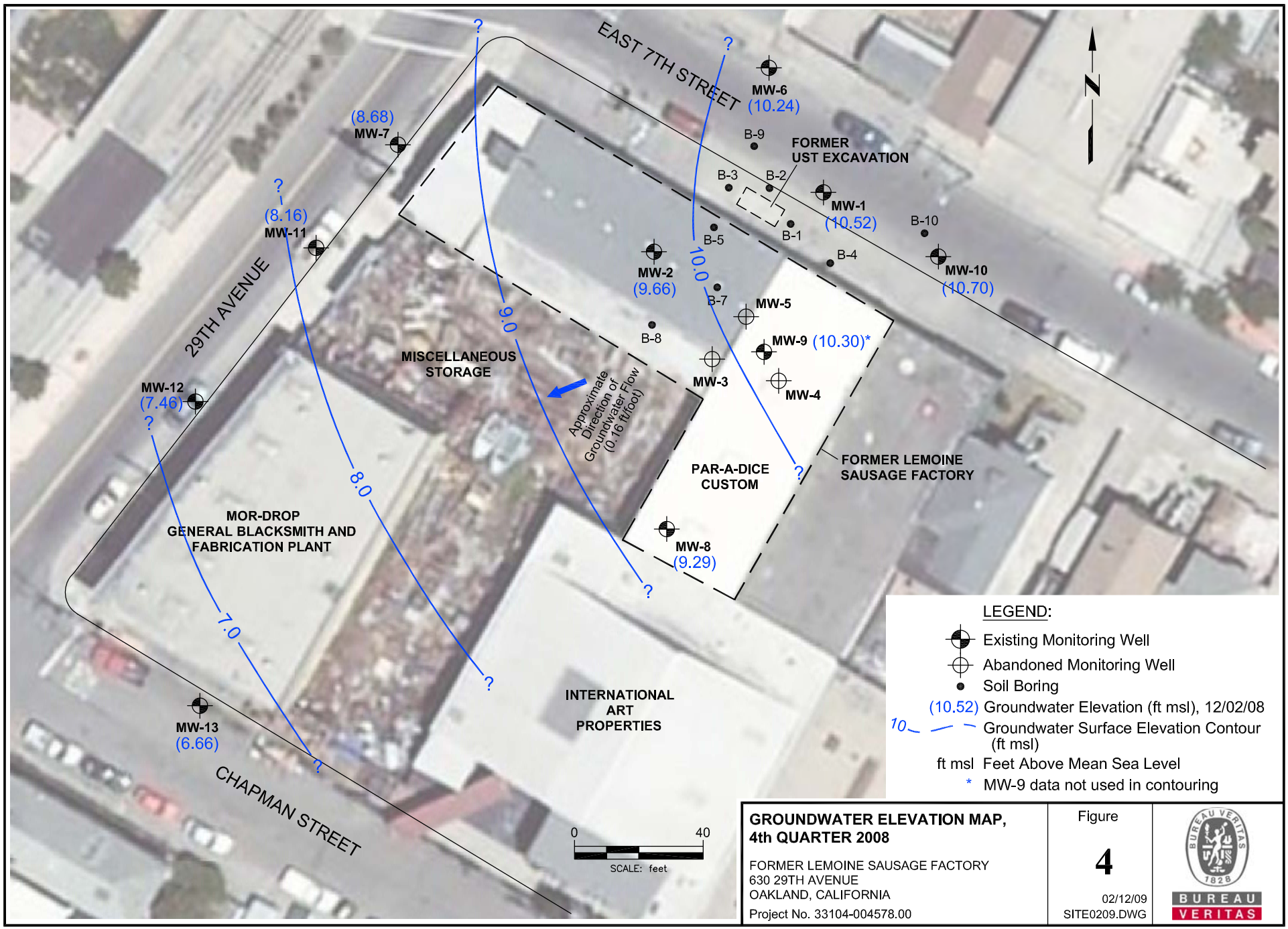


CHEMICAL CONCENTRATIONS IN SOIL

FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA
Project No. 33104-004578.00

Figure
3
02/12/09
SITE0209.DWG

BUREAU VERITAS

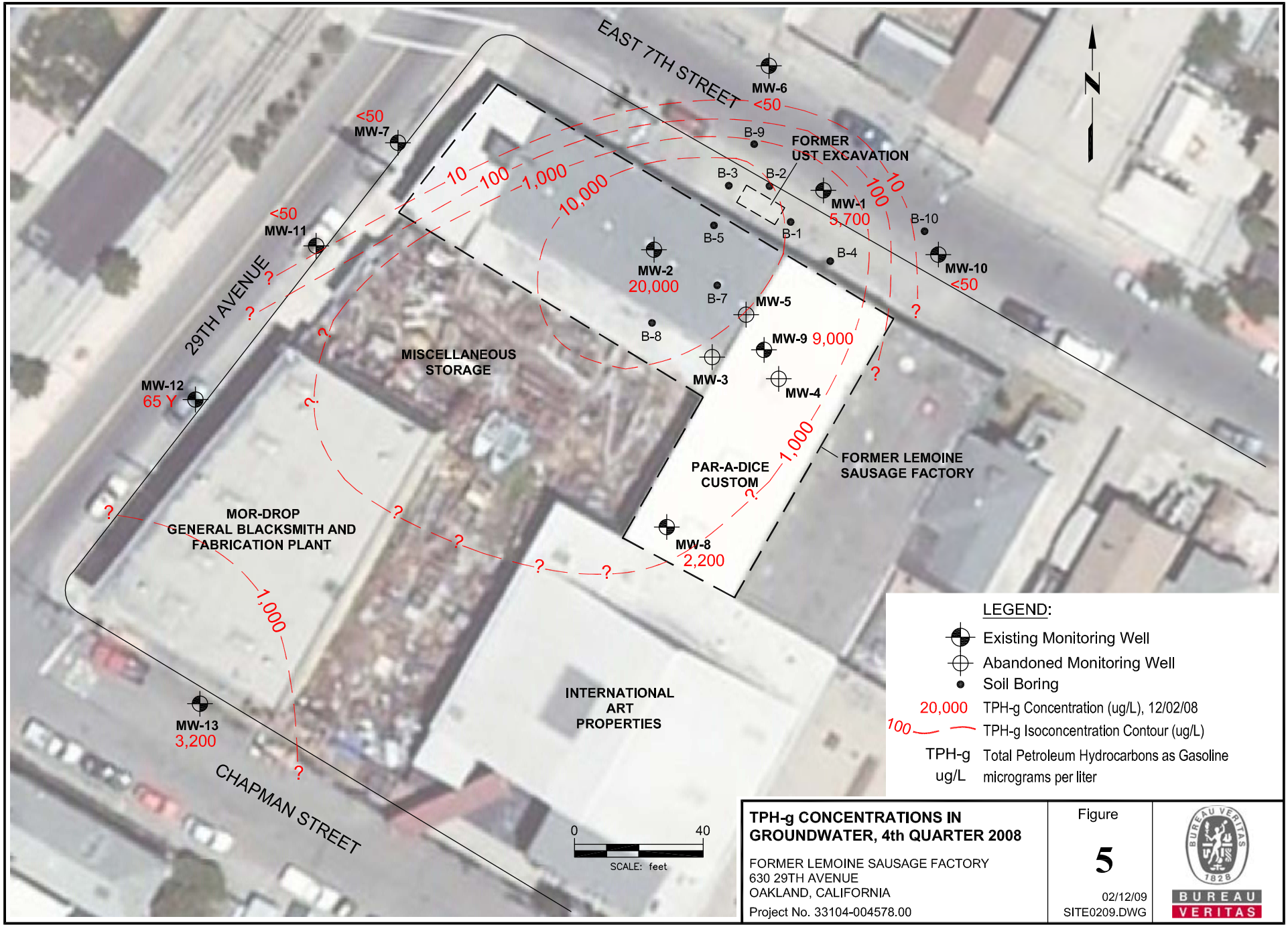


GROUNDWATER ELEVATION MAP, 4th QUARTER 2008

FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA
Project No. 33104-004578.00

Figure
4
02/12/09
SITE0209.DWG

BUREAU VERITAS

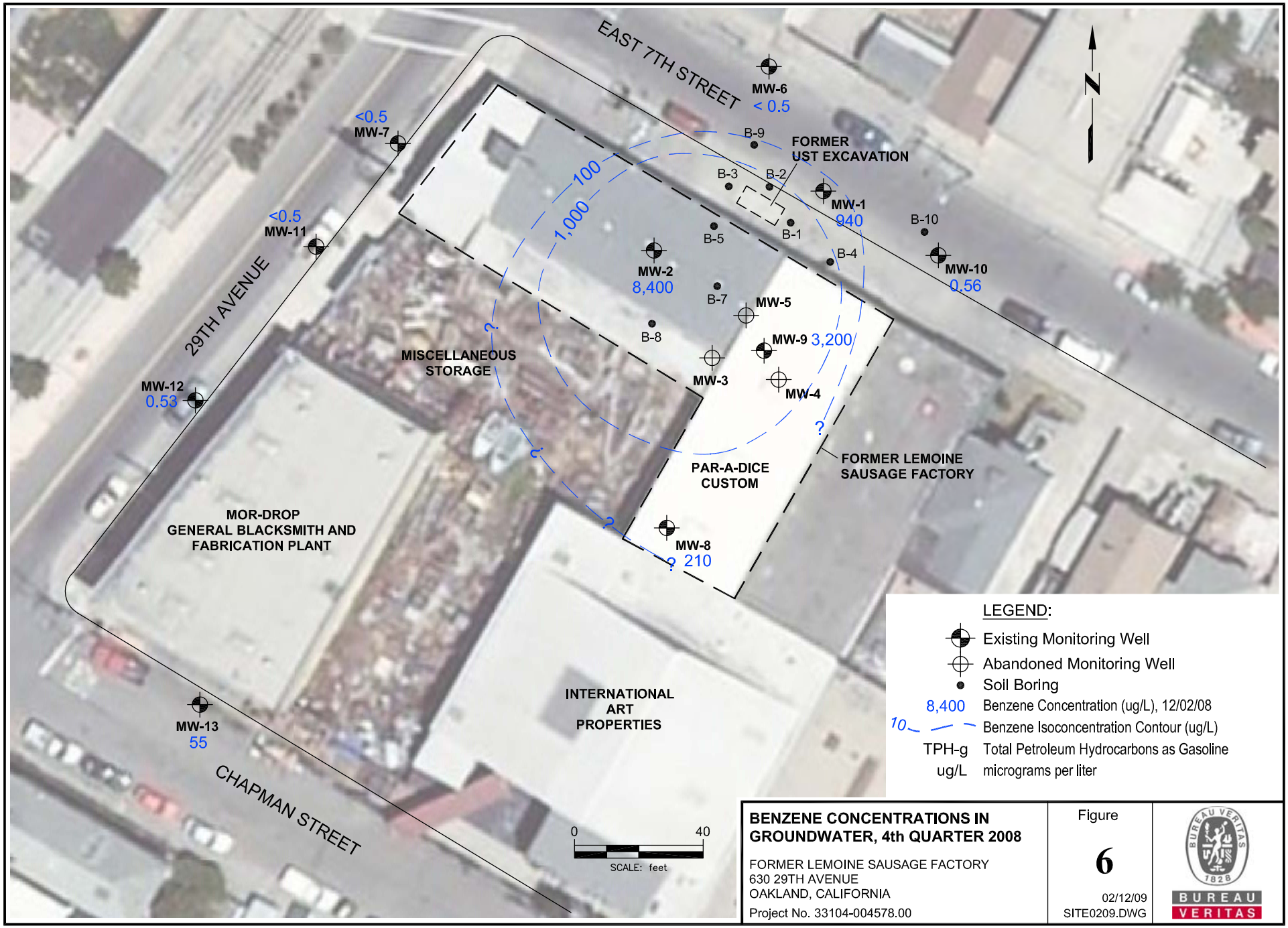


TPH-g CONCENTRATIONS IN GROUNDWATER, 4th QUARTER 2008

FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA
Project No. 33104-004578.00

Figure
5
02/12/09
SITE0209.DWG

BUREAU VERITAS

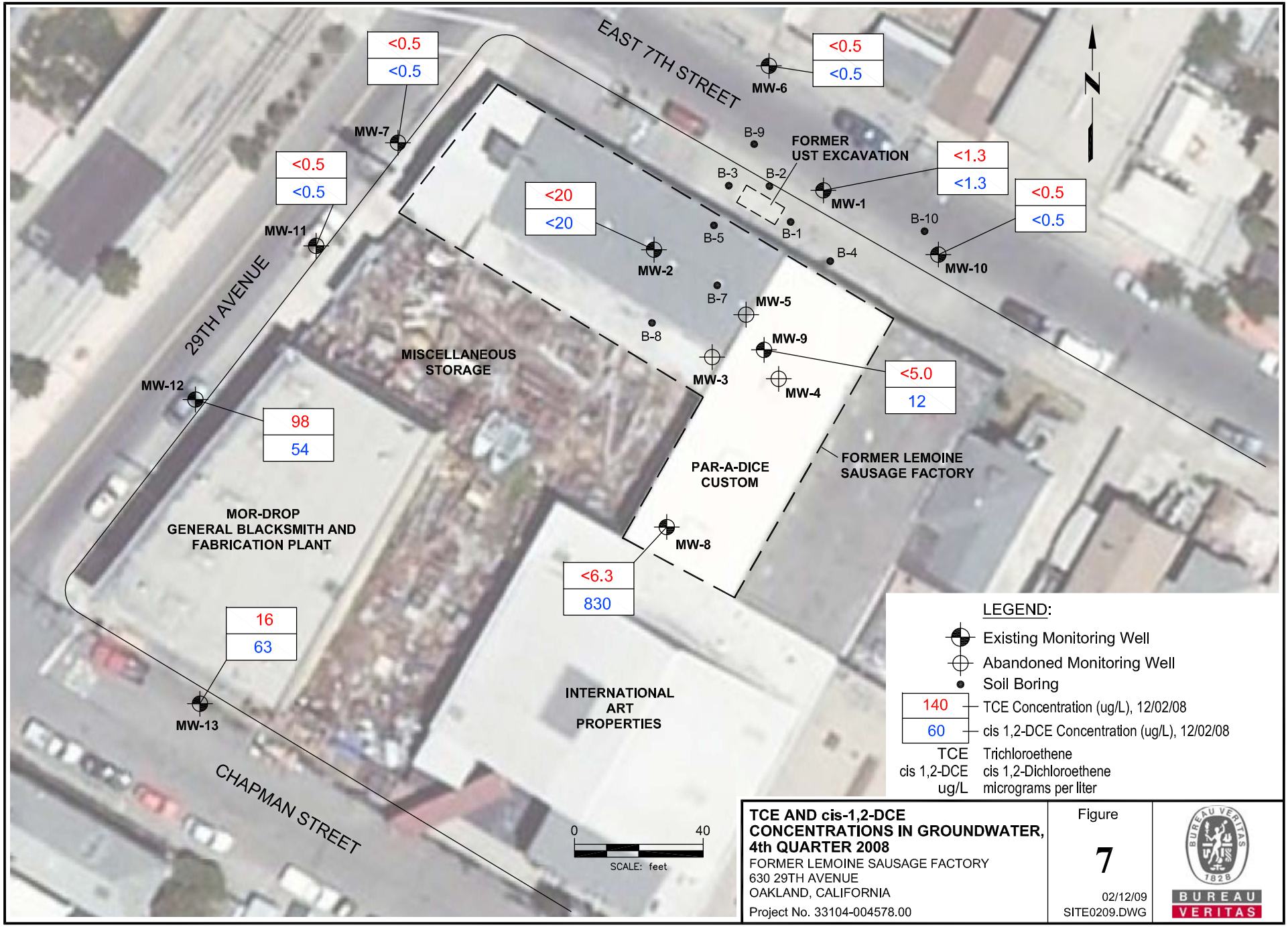


BENZENE CONCENTRATIONS IN GROUNDWATER, 4th QUARTER 2008

FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA
Project No. 33104-004578.00

Figure
6
02/12/09
SITE0209.DWG

BUREAU VERITAS



TCE AND cis-1,2-DCE CONCENTRATIONS IN GROUNDWATER, 4th QUARTER 2008

FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA

Project No. 33104-004578.00

Figure 7

02/12/09
SITE0209.DWG

BUREAU VERITAS

APPENDIX B

BORING LOGS AND MONITORING WELL CONSTRUCTION DETAILS FROM PREVIOUS INVESTIGATIONS

Clayton
Environmental Consultants

LOG OF BORING B-7

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

Clayton Project No.: 70-97066.00

Date Started	: 1-27-99	Driller	: Vironex
Date Completed	: 1-27-99	Logged By	: M. Hanko
Hole Diameter	: 2 in.		
Drilling Method	: Geoprobe		
Sampling Method	:		

Depth in Feet	Surf. Elev. 18	USCS	GRAPHIC	DESCRIPTION
0	18	CC		CONCRETE Floor
5	13	ML		Clayey SILT (ML) (0,0,70,30), dark gray (10YR 3/1), medium stiff, slightly moist, plastic
		SM		Silty SAND (SM) with gravel (5,60,30,5), brown (10YR 5/3), moist, dense, angular 1/4" gravel, fine sand
10	8	ML		Clayey SILT (ML) (0,0,70,30), dark gray (10YR 3/1), medium stiff, slightly moist, plastic, HC odor in soil
15	3			
20				

Notes: Arbitrary surface datum set at 18 feet.

03-04-1999 C:\mtech5\p97066\97066b7.bor

Clayton
Environmental Consultants

LOG OF BORING B-8

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

Clayton Project No.: 70-97066.00

Date Started	: 1-27-99	Driller	: Vironex
Date Completed	: 1-27-99	Logged By	: M. Hanko
Hole Diameter	: 2 in.		
Drilling Method	: Geoprobe		
Sampling Method	:		

Depth in Feet	Surf. Elev. 18	USCS	GRAPHIC	DESCRIPTION
0	18	CC		CONCRETE Floor
5	13	ML		Clayey SILT (ML) (0,0,70,30), dark gray (10YR 3/1), medium stiff, slightly moist, plastic
		ML		Sandy SILT (ML) (0,20,60,20), grayish brown (10YR 4/2), slightly moist, stiff
10	8	CL		Silty CLAY (CL) (0,25,35,40), yellowish brown (10YR 4/3), very stiff, slightly moist
15	3			
20				

Notes: Arbitrary surface datum set a t 18 feet.

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03-03-1999

Clayton
Environmental Consultants

LOG OF BORING B-9

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

Clayton Project No.: 70-97066.00

Date Started	: 1-28-99	Driller	: Vironex
Date Completed	: 1-28-99	Logged By	: M. Hanko
Hole Diameter	: 2 in.		
Drilling Method	: Geoprobe		
Sampling Method	:		

Depth in Feet	Surf. Elev. 18	USCS	GRAPHIC	DESCRIPTION
0	18	AS/FL		Asphalt and Base Material
		CL		Sandy CLAY (CL) with gravel (10,30,25,35), dark brown (10YR 4/2), very stiff, <1/4" angular gravel
				Static water at 3.6 feet bgs
5	13			saturated gravel lens at 5.5-6.0 feet bgs
		CL		Silty CLAY (CL) with gravel (10,10,35,45), dark gray (10YR 3/1), very stiff,1-inch gravel, strong HC odor
		SP		SAND (SP) (0,100,0,0), dark gray (10YR 3/1), very stiff, saturated, strong HC odor
10	8			Refusal at 9 feet bgs due to sanitary sewer pipeline .
15	3			
20				

Notes: Arbitrary surface datum set at 18 feet.

C:\mtech5\p97066\97066b9.bor
03-03-1999

Clayton
Environmental Consultants

LOG OF BORING B-10

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

Clayton Project No.: 70-97066.00

Date Started	: 1-28-99	Driller	: Vironex
Date Completed	: 1-28-99	Logged By	: M. Hanko
Hole Diameter	: 2 in.		
Drilling Method	: Geoprobe		
Sampling Method	:		

Depth in Feet	Surf. Elev. 18	USCS	GRAPHIC	DESCRIPTION
0	18	AS/FL		Asphalt and Base Material
		CL		Sandy CLAY (CL) with gravel (10,30,25,35), dark brown (10YR 4/2), very stiff, <1/4" angular gravel
				Static water at 3.6 feet bgs
5	13			saturated gravel lens at 5.5-6.0 feet bgs
		CL		Silty CLAY (CL) with gravel (10,10,35,45), dark gray (10YR 3/1), very stiff,1-inch gravel, strong HC odor
		SP		SAND (SP) (0,100,0,0), dark gray (10YR 3/1), very stiff,saturated, strong HC odor
10	8			Refusal at 9 feet bgs due to sanitary sewer pipeline.
15	3			
20				

Notes: Arbitrary surface datum set at 18 feet.

C:\mlech5\p97066\97066b10.bor
03-03-1999

Clayton
Environmental Consultants

LOG OF BORING MW_1

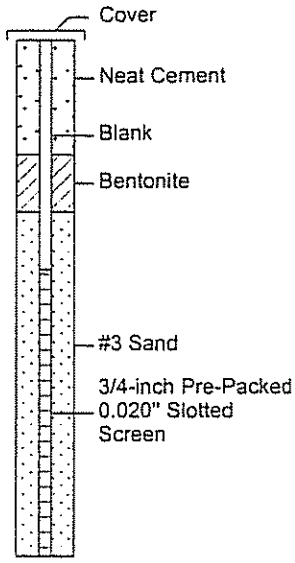
SITE INVESTIGATION
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA

Clayton Project No.: 70-97066.00

Date Started	: 1-28-99	Driller	: Vironex
Date Completed	: 1-28-99	Logged By	: M. Hanko
Hole Diameter	: 2 in.	Surface (Rim) Elevation	16.99 ft.msl
Drilling Method	: Geoprobe	Top of Well Casing	: 16.69 ft.msl
Sampling Method	:	Survey By	: V. Chavez

Depth in Feet	Surf. Elev. 16.99	USCS	GRAPHIC	DESCRIPTION
0		AS/FL		Asphalt and Base Material
	16	CL		Sandy CLAY (CL) with gravel (10,30,25,35), dark brown (10YR 4/2), very stiff, <1/4" angular gravel, saturated gravel lens at 5.5-6.0 feet bgs
5	11	CL		Silty CLAY (CL) with gravel (10,10,35,45), dark gray (10YR 3/1), very stiff,1-inch gravel, strong HC odor
		SP		SAND (SP) (0,100,0,0), dark gray (10YR 3/1), loose, saturated, strong HC odor
10	6			Refusal at 9 feet bgs due to concrete.
15	1			
20				

Well1: MW-1
Elev.: 16.99



Notes:

Clayton
Environmental Consultants

LOG OF BORING MW_2

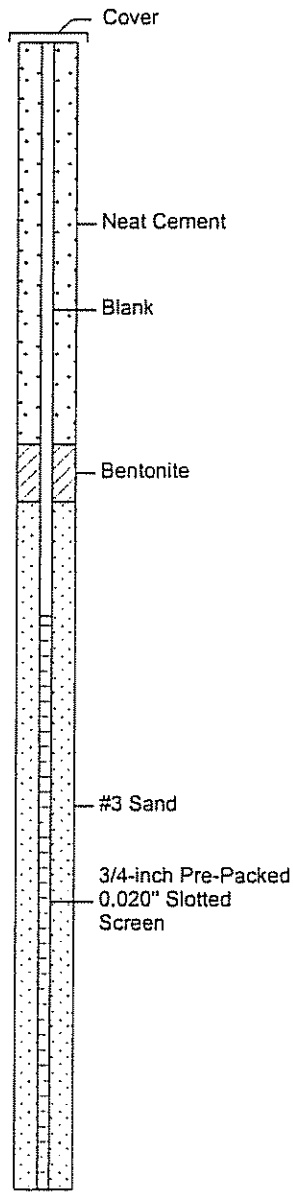
SITE INVESTIGATION
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA

Clayton Project No.: 70-97066.00

Date Started	: 1-27-99	Driller	: Vironex
Date Completed	: 1-27-99	Logged By	: M. Hanko
Hole Diameter	: 2 in.	Surface (Rim) Elevation	: 21.24 ft.msl
Drilling Method	: Geoprobe	Top of Well Casing	: 20.79 ft.msl
Sampling Method	:	Survey By	: V. Chavez

Depth in Feet	Surf. Elev. 21.24	USCS	GRAPHIC	DESCRIPTION
0	21	CC		Suspended Slab, various layers of concrete slabs, wood slabs, steel slabs, and rubble
5	16	ML		Clayey SILT (ML) (0,0,70,30), dark gray (10YR 3/1), medium stiff, slightly moist, plastic
		SM		Silty SAND (SM) with gravel (5,60,30,5), brown (10YR 5/3), moist, dense, angular 1/4" gravel, fine sand
10	11	ML		Clayey SILT (ML) (0,0,70,30), dark gray (10YR 3/1), medium stiff, slightly moist, plastic
15	6			
20				

Well1: MW-2
Elev.: 21.24



Notes: Petroleum odor @13' bgs, retained sample @ 13'.

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03-04-1999

Clayton
Environmental Consultants

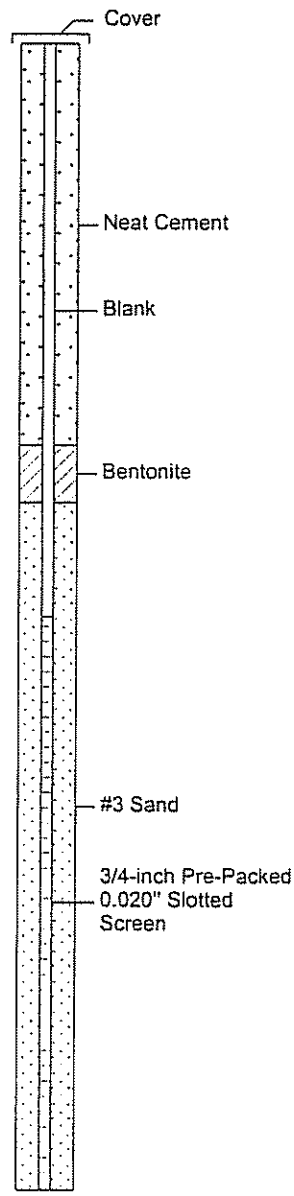
LOG OF BORING MW_3

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

Clayton Project No.: 70-97066.00

Date Started	: 1-27-99	Driller	: Vironex
Date Completed	: 1-27-99	Logged By	: M. Hanko
Hole Diameter	: 2 in.	Surface (Rim) Elevation	21.30 ft.msl
Drilling Method	: Geoprobe	Top of Well Casing	: 21.10 ft.msl
Sampling Method	:	Survey By	: V. Chavez

Depth in Feet	Surf. Elev. 21.30	USCS	GRAPHIC	DESCRIPTION
0	21	CC		Suspended Slab, various layers of concrete slabs, wood slabs, steel slabs, and rubble
5	16	ML		Clayey SILT (ML) (0,0,70,30), dark gray (10YR 3/1), medium stiff, slightly moist, plastic
10	11	SC		Clayey SAND (SC) with gravel, brown (10YR 5/3), slightly moist, saturated at 11.5 - 12.5 feet below the warehouse floor
15	6	ML		Silty CLAY (CL) (0,5,45,50), light brown (10YR5/3), very stiff to hard, slightly moist
20				



Notes:

Clayton
Environmental Consultants

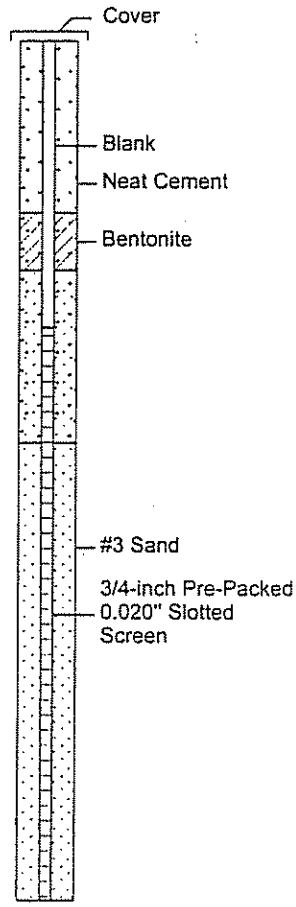
LOG OF BORING MW_4

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

Clayton Project No.: 70-97066.00

Date Started	: 1-28-99	Driller	: Vironex
Date Completed	: 1-28-99	Logged By	: M. Hanko
Hole Diameter	: 2 in.	Surface (Rim) Elevation	17.92 ft.msl
Drilling Method	: Geoprobe	Top of Well Casing	: 17.78 ft.msl
Sampling Method	:	Survey By	: V. Chavez

Depth in Feet	Surf. Elev. 17.92	USCS	GRAPHIC	DESCRIPTION
0		CC		CONCRETE Floor
	17	ML		Clayey SILT (ML) (0,0,70,30), dark gray (10YR 3/1), medium stiff, slightly moist, plastic
5	12	SC		Clayey SAND (SC) with gravel, brown (10YR 5/3), slightly moist, saturated at 8.5 - 9.5 feet bgs
10	7	CL		Silty CLAY (CL) (0,5,45,50), light brown (10YR5/3), very stiff to hard, slightly moist
15	2			
20				



Notes:

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Clayton
Environmental Consultants

LOG OF BORING MW_5

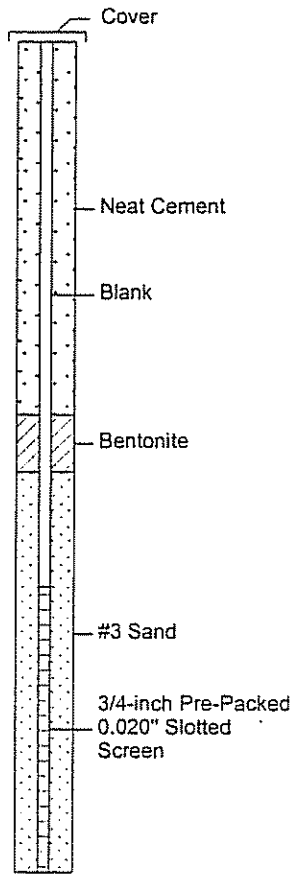
SITE INVESTIGATION
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA

Clayton Project No.: 70-97066.00

Date Started	: 1-27-99	Driller	: Vironex
Date Completed	: 1-27-99	Logged By	: M. Hanko
Hole Diameter	: 2 in.	Surface (Rim) Elevation	not determined
Drilling Method	: Geoprobe	Top of Well Casing	: 21.12 ft,msl
Sampling Method	:	Survey By	: V. Chavez

Depth in Feet	Surf. Elev. 21.5	USCS	GRAPHIC	DESCRIPTION
0	21	CC		Suspended Slab, various layers of concrete slabs, wood slabs, steel slabs, and rubble
5	16	ML		Clayey SILT (ML) (0,0,70,30), dark gray (10YR 3/1), medium stiff, slightly moist, plastic
		SM		Silty SAND (SM) with gravel (5,60,30,5), brown (10YR 5/3), moist, dense, angular1/4" gravel, fine sand
10	11	ML		Clayey SILT (ML) (5,10,50,35), stiff, slightly moist, very plastic
15	6			Borehole collapsed from 16 to 14.5 feet bgs prior to installation of casing.
20				

Well1: MW-5
Elev.: 21.5



Notes: Arbitrary surface datum set at 21.5 feet.

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03-04-1999

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

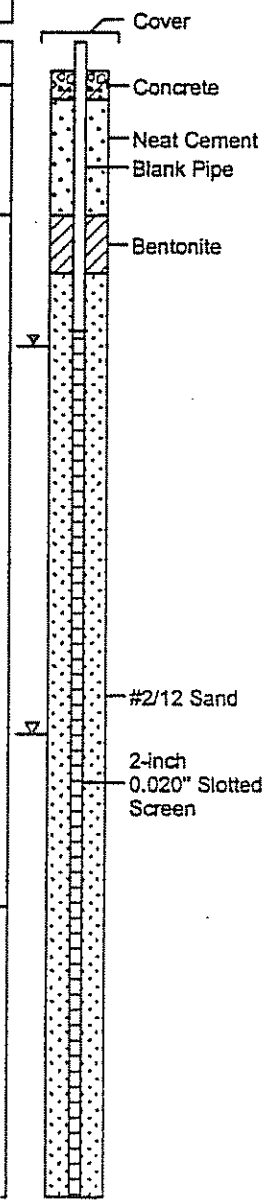
Date Started	: 5-23-00	Driller	: Gregg
Date Completed	: 5-23-00	Logged By	: M. Mulaney
Hole Diameter	: 8 in.	Surface (Rim) Elevation	16.81 ft, msl
Drilling Method	: HSA	Top of Well Casing	: 16.60 ft,msl
Sampling Method	: Cal Split Spoon	Survey By	: V. Chavez

Water Levels
▽ After Completion
▽ During Drilling

USCS Symbol

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					

Well1: MW-6
Elev.: 16.81



Notes:

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Clayton GROUP SERVICES

LOG OF BORING MW_7

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

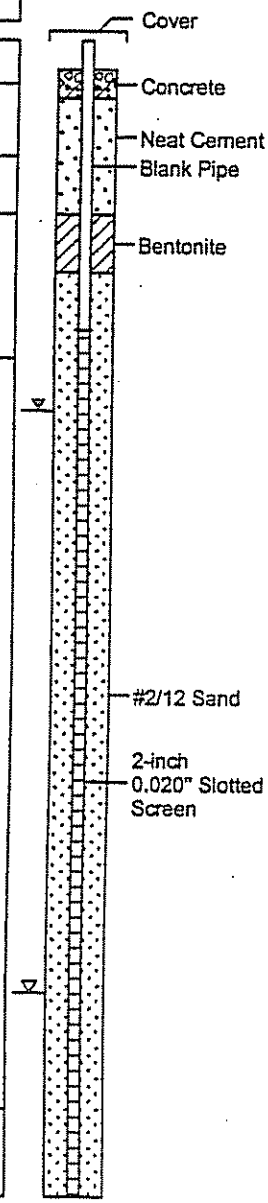
Clayton Project No.: 70-97066.00

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		CL			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:

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09-18-2000

Clayton GROUP SERVICES

LOG OF BORING MW_8

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

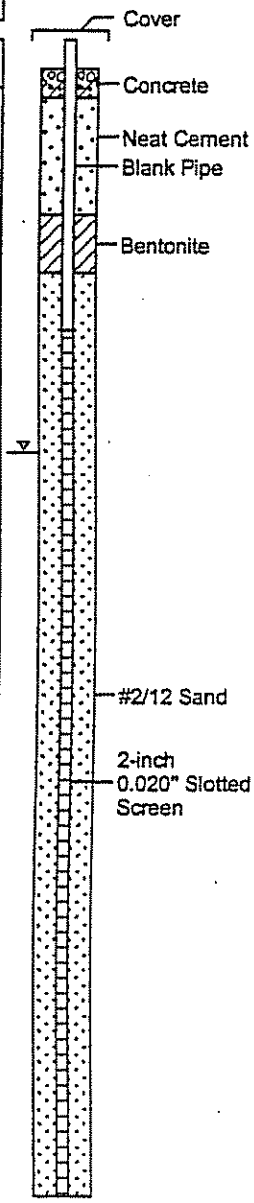
Clayton Project No.: 70-97066.00

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:

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09-18-2000

LOG OF BORING MW-9

Clayton GROUP SERVICES

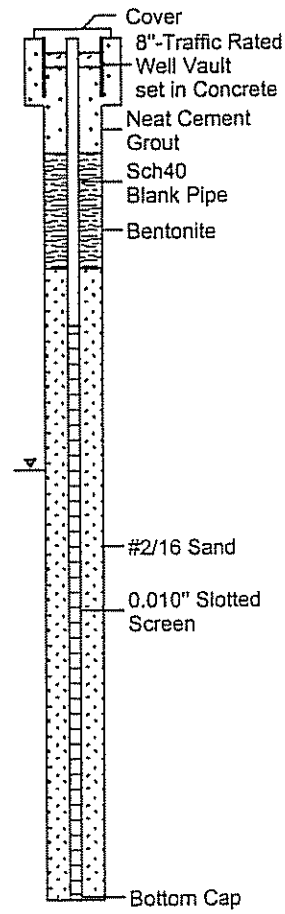
Former Lemoine Sausage Factory
Groundwater Evaluation
630 29th Avenue
Oakland, CA

Clayton Project No.: 70-97066.00

Date Started	: 10/5/01	Driller	: Gregg Drilling
Date Completed	: 10/5/01	Logged By	: M. Mullaney
Hole Diameter	: 8 in.	Top of Well Casing	: 17.61 feet, msl
Drilling Method	: H.S.A.	Survey By	: V. Chavez
Sampling Method	: Split Spoon		

Depth in Feet	Surf. Elev. 18	Blow Count	PID (ppm)	Samples	USCS	GRAPHIC	DESCRIPTION
0	18						Concrete
							Silty CLAY (0,0,35,65), Black, Damp.
5	13				CL		Gravelly silty CLAY (30,0,30,40), Tan, Damp
			0.6		GM		Silty Clayey GRAVEL (50, 0, 30, 20) green stain and slight HC odor
10	8		2.1		CL		Gravelly Silty CLAY (20,0, 30,50), Tan, moist, HC odor
							sandy silty clay (0,15,20,65), Tan, moist, very fine sand
15	3		15.5				
20							

Well1: MW-9
Elev.: 18



Notes:

Clayton GROUP SERVICES

LOG OF BORING MW-10

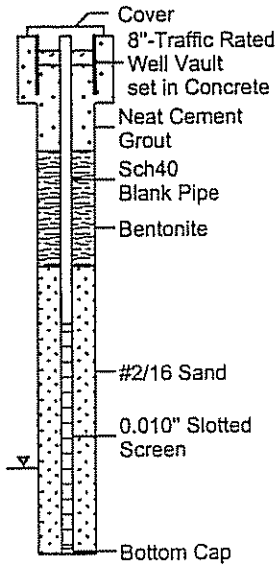
Former Lemoine Sausage Factory
Groundwater Evaluation
630 29th Avenue
Oakland, CA

Clayton Project No.: 70-97066.00

Date Started	: 10/5/01	Driller	: Gregg Drilling
Date Completed	: 10/5/01	Logged By	: M. Mullaney
Hole Diameter	: 8 in.	Top of Well Casing	: 16.92 feet, msl
Drilling Method	: H.S.A.	Survey By	: V. Chavez
Sampling Method	: Split Spoon		

Depth in Feet	Surf. Elev. 17	Blow Count	PID (ppm)	Samples	USCS	GRAPHIC	DESCRIPTION
0	17				GC		Asphalt and baserock
					GC		Gravelly Silty CLAY (40,0,20,40), Orange brown, damp
							Silty CLAY (0,5,35,65), green, damp
5	12		0.0		CL		Gravelly Silty CLAY (30,0,30,40), tan, damp
10	7						Refusal at 9-feet bgs due to concrete.
15	2						
20							

Well1: MW-10
Elev.: 17



Notes:

Clayton GROUP SERVICES

LOG OF BORING MW-11

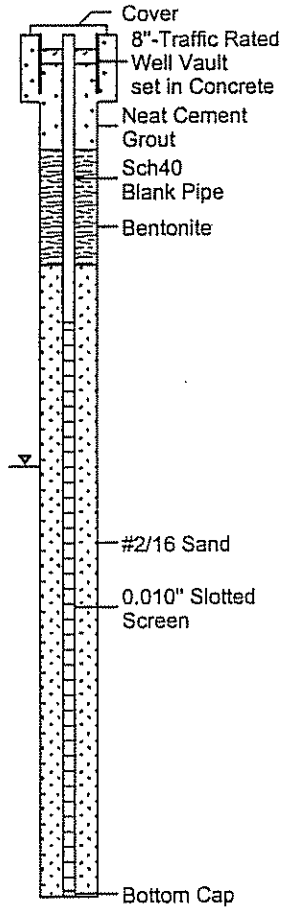
Former Lemoine Sausage Factory
Groundwater Evaluation
630 29th Avenue
Oakland, CA

Clayton Project No.: 70-97066.00

Date Started	: 10/5/01	Driller	: Gregg Drilling
Date Completed	: 10/5/01	Logged By	: M. Mullaney
Hole Diameter	: 8 in.	Top of Well Casing	: 14.87 feet, msl
Drilling Method	: H.S.A.	Survey By	: V. Chavez
Sampling Method	: Split Spoon		

Depth in Feet	Surf. Elev. 15	Blow Count	PID (ppm)	Samples	USCS	GRAPHIC	DESCRIPTION
0	15				GP		Asphalt and baserock
					GM		Gravelly SILT (40,0,10,50), Orange brown, damp
							Silty CLAY (0,5,35,65), Tan, Damp.
5	10		8.8				
					CL		Sandy silty CLAY (0,15,15,70), green/gray, moist
10	5		0.0				
							Silty CLAY (0,5,25,70), Brown, moist
15	0		0.0				
20							

Well1: MW-11
Elev.: 15



Notes:

LOG OF BORING MW-12

Clayton GROUP SERVICES

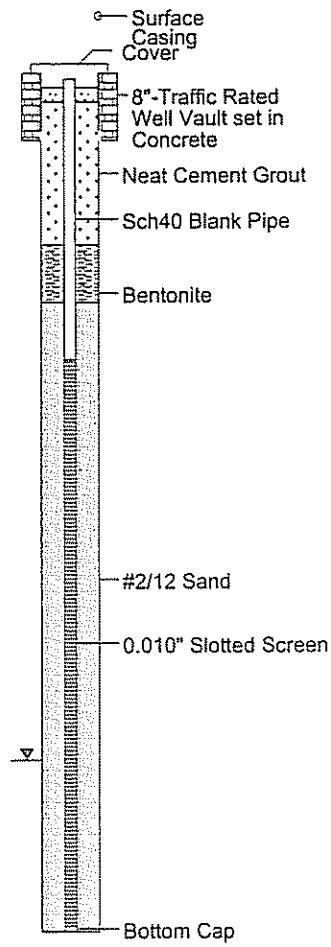
Former Lemoine Sausage Factory
Groundwater Evaluation
630 29th Avenue
Oakland, CA

Clayton Project No.: 70-97066.01

Date Started	: 5-16-02	Driller	: Gregg Drilling
Date Completed	: 5-16-02	Logged By	: M. Krzeminski
Hole Diameter	: 8 in.	Top of Well Casing	: XX.YY feet, msl
Drilling Method	: H.S.A.	Survey By	: V. Chavez
Sampling Method	: Split Spoon		

Depth in Feet	Surf. Elev. 15	Samples	USCS	GRAPHIC	DESCRIPTION
0	15		CC		Concrete and baserock
			CL		CLAY (0,0,0,100) dark brown, stiff, dry.
			ML		Clayey SILT (0,0,80,20), light brown, stiff, dry
			GM		Silty Clayey GRAVEL (70,0,15,15), orange brown, loose, dry.
5	10	☐			Clayey SILT (0,0,90,10) greenish grey, dry.
		☒			
					light brown
10	5		ML		trace fine sand
		☐			
					moist
15	0	☒			
20					

Well: MW-12
Elev.: 15



Notes:

LOG OF BORING MW-13

Clayton GROUP SERVICES

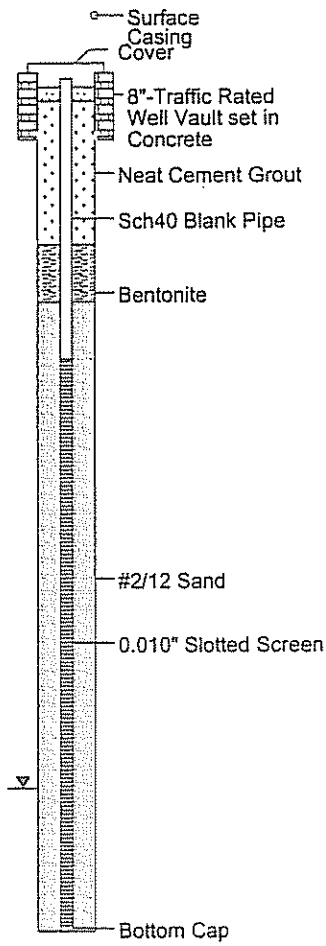
Former Lemoine Sausage Factory
Groundwater Evaluation
630 29th Avenue
Oakland, CA

Clayton Project No.: 70-97066.01

Date Started	: 5-16-02	Driller	: Gregg Drilling
Date Completed	: 5-16-02	Logged By	: M. Krzeminski
Hole Diameter	: 8 in.	Top of Well Casing	: XX.YY feet, msl
Drilling Method	: H.S.A.	Survey By	: V. Chavez
Sampling Method	: Split Spoon		

Depth in Feet	Surf. Elev. 15	Samples	USCS	GRAPHIC	DESCRIPTION
0	15		AC		Asphalt and baserock
			CL		Silty CLAY (0,0,20,80) dark brown, stiff, dry.
5	10		ML		Clayey SILT (0,0,90,10), light brown - greenish grey, stiff, dry.
10	5		CL		CLAY (0,0,5,95), greyish green- yelow orange, loose, dry, damp, hydrocarbon odor.
15	0		SC		Clayey SAND (5,80,0,15) greenish grey- yelowish orange, saturated, hydrocarbon odor.
20					

Well: MW-13
Elev.: 15



Notes:

05-20-2002 s:\esl\boring_logs\p97066\MW-13.BOR

LOG OF MONITORING WELL

BUREAU VERITAS

Project No.: 70-04578.02	**BORING NO. T-1**
Client: AIG	
Location: 630 29th Avenue, Oakland, California	
Logged By: P. McLaughlin	
Start Date: 8/19/2005 Start Time:	Elevation: N/A
Finish Date: 8/19/2005 Finish Time:	Boring Dia.: 7"
Driller: Exploration Geoservices	Drill Method: Hollow Stem Auger
Hammer Weight: N/A	Drop: N/A
Borehole Completion Data: Boring completed as test well	

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID.	PID READING (ppm)	TIME	DEPTH (ft)	SAMPLE	GRAPHIC LOG	USCS	DESCRIPTION	WELL CONSTRUCTION
					0				Concrete Slab, 0.75' thick	Traffic cover with well plug
					1			ML	CLAYEY SILT dark brown, damp, soft	
					2					Portland Type II Neat Cement from 0.5 to 3 feet bgs
		2.5			3			SM	SILTY SAND brown, damp, loose, trace fine gravel up to 3/8" dia.	Bentonite Seal from 3 to 4 feet bgs
					4					2" Blank SCH-40 PVC Riser Casing from 0 to 5 feet bgs
		5.0			5			SM	SILTY SAND WITH GRAVEL grayish brown, damp, loose, with fine gravel up to 3/4" dia.	
					6					Lonestar 2/12 Sand from 4 to 15 feet bgs
					7				SILTY SAND light brown, moist, loose, trace fine gravel up to 3/8" dia.	
		7.5			8					
					9				hydrocarbon odor from ~9.0' - 15.0'	
					10					2-inch diameter PVC Well Screen (0.010-in. Slot) from 5 to 15 feet bgs
		10.0			11			SM		
					12					
		12.5			13					
					14					
		15.0			15				EOB at 15 feet bgs No Groundwater Encountered During Drilling.	
					16					
					17					
					18					
					19					

LOG OF MONITORING WELL

BUREAU VERITAS

Project No.: 70-04578.02 Client: AIG Location: 630 29th Avenue, Oakland, California Logged By: P. McLaughlin	**BORING NO.** **T-2**
Start Date: 8/19/2005 Start Time: Elevation: N/A Finish Date: 8/19/2005 Finish Time: Boring Dia.: 7"	
Driller: Exploration Geoservices Drill Method: Hollow Stem Auger Hammer Weight: N/A Drop: N/A	
Borehole Completion Data: Boring completed as test well	

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID.	PID READING (ppm)	TIME	DEPTH (ft)	USCS	DESCRIPTION	WELL CONSTRUCTION
					0		Concrete Slab, 0.75' thick	Traffic cover with well plug
					1	ML	CLAYEY SILT dark brown, damp, soft	
					2			Portland Type II Neat Cement from 0.5 to 3 feet bgs
		2.5			3	SM	SILTY SAND brown, damp, loose, trace fine gravel up to 3/8" dia.	Bentonite Seal from 3 to 4 feet bgs
					4			2" Blank SCH-40 PVC Riser Casing from 0 to 5 feet bgs
		5.0			5	SM	SILTY SAND WITH GRAVEL grayish brown, damp, loose, with fine gravel up to 3/4" dia.	
					6			
					7		SILTY SAND light brown, moist, loose, trace fine gravel up to 3/8" dia.	Lonestar 2/12 Sand from 4 to 15 feet bgs
		7.5			8			
					9		hydrocarbon odor from ~9.0' - 15.0'	
					10			2-inch diameter PVC Well Screen (0.010-in. Slot) from 5 to 15 feet bgs
		10.0			11	SM		
					12			
		12.5			13			
					14			
		15.0			15		EOB at 15 feet bgs No Groundwater Encountered During Drilling.	
					16			
					17			
					18			
					19			

APPENDIX C

HISTORICAL GROUNDWATER ELEVATION DATA

APPENDIX C

HISTORICAL GROUNDWATER ELEVATION DATA
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA

Well Identification	Date Measured	Top of Casing Elevation (ft,msl)	Depth to Water (feet)	Groundwater Elevation (ft,msl)
MW-1	2/8/1999	16.69	3.60	13.09
	6/15/2000	16.69	4.82	11.87
	9/22/2000	16.69	6.30	10.39
	12/19/2000	16.69	5.50	11.19
	3/21/2001	16.69	4.29	12.40
	6/20/2001	16.69	5.85	10.84
	9/25/2001	16.69	6.76	9.93
	12/3/2001	16.69	4.17	12.52
	3/25/2002	16.69	2.77	13.92
	6/28/2002	16.69	5.61	11.08
	9/11/2002	16.69	6.17	10.52
	12/16/2002	16.69	3.91	12.78
	3/28/2003	16.69	4.44	12.25
	6/24/2003	16.69	5.29	11.40
	9/26/2003	16.69	6.88	9.81
	12/16/2003	16.69	NM	NM
	4/6/2004	16.69	3.57	13.12
	6/23/2004	16.69	5.96	10.73
	9/15/2004	16.69	NM	NM
	12/16/2004	16.69	4.40	12.29
	3/22/2005	16.69	3.44	13.25
	6/24/2005	16.69	4.45	12.24
	9/13/2005	16.69	6.03	10.66
	12/2/2005	16.69	4.95	11.74
	3/2/2006	16.69	3.74	12.95
	6/15/2006	16.69	4.58	12.11
	9/14/2006	16.69	5.15	11.54
	1/11/2007	16.69	4.01	12.68
	4/9/2007	16.69	4.67	12.02
	9/17/2007	16.69	6.39	10.30
	12/19/2007	16.69	5.40	11.29
	3/11/2008	16.69	4.21	12.48
	6/10/2008	16.69	5.68	11.01
	9/9/2008	16.69	6.67	10.02
	12/2/2008	16.69	6.17	10.52
MW-2	2/8/1999	20.79	14.20	6.59
	6/15/2000	20.79	10.46	10.33
	9/22/2000	20.79	11.49	9.30
	12/19/2000	20.79	11.38	9.41
	3/21/2001	20.79	10.01	10.78
	6/20/2001	20.79	10.92	9.87
	9/25/2001	20.79	11.78	9.01
	12/3/2001	20.79	11.13	9.66
	3/25/2002	20.79	9.21	11.58
	6/28/2002	20.79	10.65	10.14
	9/11/2002	20.79	10.89	9.90
	12/16/2002	20.79	11.15	9.64
	3/28/2003	20.79	10.27	10.52
	6/24/2003	20.79	10.24	10.55
	9/26/2003	20.79	11.20	9.59
	12/16/2003	20.79	11.50	9.29

APPENDIX C

HISTORICAL GROUNDWATER ELEVATION DATA
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA

Well Identification	Date Measured	Top of Casing Elevation (ft,msl)	Depth to Water (feet)	Groundwater Elevation (ft,msl)
MW-2	4/6/2004	20.79	9.40	11.39
	6/23/2004	20.79	11.60	9.19
	9/15/2004	20.79	10.94	9.85
	12/16/2004	20.79	NM	NM
	3/22/2005	20.79	9.26	11.53
	6/24/2005	20.79	10.03	10.76
	9/13/2005	20.79	10.58	10.21
	12/2/2005	20.79	NM	NM
	3/2/2006	20.79	9.45	11.34
	6/15/2006	20.79	9.84	10.95
	9/14/2006	20.79	10.27	10.52
	1/11/2007	20.79	10.45	10.34
	4/9/2007	20.79	10.03	10.76
	9/17/2007	20.79	10.85	9.94
	12/19/2007	20.79	10.71	10.08
	3/11/2008	20.79	9.76	11.03
	6/10/2008	20.79	10.64	10.15
	9/9/2008	20.79	11.04	9.75
	12/2/2008	20.79	11.13	9.66
MW-3	2/8/1999	21.10	7.45	13.65
	6/15/2000	21.10	10.56	10.54
	9/22/2000	21.10	15.30	5.80
	12/19/2000	21.10	9.72	11.38
	3/21/2001	21.10	8.95	12.15
	6/20/2001	21.10	10.14	10.96
	9/25/2001	21.10	10.74	10.36
	Removed from monitoring program in October 2001			
MW-4	2/8/1999	17.78	4.13	13.65
	6/15/2000	17.78	6.30	11.48
	9/22/2000	17.78	6.90	10.88
	12/19/2000	17.78	6.40	11.38
	3/21/2001	17.78	5.77	12.01
	6/20/2001	17.78	6.78	11.00
	9/25/2001	17.78	7.40	10.38
	Removed from monitoring program in October 2001			
MW-5	2/8/1999	21.12	7.62	13.50
	6/15/2000	21.12	10.36	10.76
	9/22/2000	21.12	9.99	11.13
	12/19/2000	21.12	9.99	11.13
	3/21/2001	21.12	8.68	12.44
	6/20/2001	21.12	9.90	11.22
	9/25/2001	21.12	10.34	10.78
	Removed from monitoring program in October 2001			
MW-6	6/15/2000	16.60	5.47	11.13
	9/22/2000	16.60	6.54	10.06
	12/19/2000	16.60	5.93	10.67
	3/21/2001	16.60	4.70	11.90
	6/20/2001	16.60	6.13	10.47
	9/25/2001	16.60	6.68	9.92

APPENDIX C

HISTORICAL GROUNDWATER ELEVATION DATA
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA

Well Identification	Date Measured	Top of Casing Elevation (ft,msl)	Depth to Water (feet)	Groundwater Elevation (ft,msl)
MW-6	12/3/2001	16.60	4.72	11.88
	3/25/2002	16.60	3.93	12.67
	6/28/2002	16.60	5.83	10.77
	9/11/2002	16.60	5.43	11.17
	12/16/2002	16.60	3.93	12.67
	3/28/2003	16.60	NM	NM
	6/24/2003	16.60	5.52	11.08
	9/26/2003	16.60	6.70	9.90
	12/16/2003	16.60	4.99	11.61
	4/6/2004	16.60	4.85	11.75
	6/23/2004	16.60	5.76	10.84
	9/15/2004	16.60	6.56	10.04
	12/16/2004	16.60	4.56	12.04
	3/22/2005	16.60	3.63	12.97
	6/24/2005	16.60	4.84	11.76
	9/13/2005	16.60	6.15	10.45
	12/2/2005	16.60	5.24	11.36
	3/2/2006	16.60	3.41	13.19
	6/15/2006	16.60	5.09	11.51
	9/14/2006	16.60	5.68	10.92
	1/11/2007	16.60	4.71	11.89
	4/9/2007	16.60	5.25	11.35
	9/17/2007	16.60	6.56	10.04
	12/19/2007	16.60	5.41	11.19
	3/11/2008	16.60	4.89	11.71
	6/10/2008	16.60	6.01	10.59
	9/9/2008	16.60	6.75	9.85
	12/2/2008	16.60	6.36	10.24
MW-7	12/16/2002	15.47	5.01	10.46
	12/17/2002	15.47	6.95	8.52
	12/18/2002	15.47	6.94	8.53
	12/19/2002	15.47	6.04	9.43
	12/20/2002	15.47	6.48	8.99
	12/21/2002	15.47	7.25	8.22
	12/22/2002	15.47	6.90	8.57
	12/23/2002	15.47	5.53	9.94
	12/24/2002	15.47	7.20	8.27
	12/25/2002	15.47	7.51	7.96
	12/26/2002	15.47	6.40	9.07
	3/28/2003	15.47	5.68	9.79
	6/24/2003	15.47	6.13	9.34
	9/26/2003	15.47	7.22	8.25
	12/16/2003	15.47	5.68	9.79
	4/6/2004	15.47	5.60	9.87
	6/23/2004	15.47	6.20	9.27
	9/15/2004	15.47	6.70	8.77
	12/16/2004	15.47	5.15	10.32
	3/22/2005	15.47	NM	NM
	6/24/2005	15.47	NM	NM
	9/13/2005	15.47	6.45	9.02
	12/2/2005	15.47	5.93	9.54
	3/2/2006	15.47	4.65	10.82

APPENDIX C

HISTORICAL GROUNDWATER ELEVATION DATA
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA

Well Identification	Date Measured	Top of Casing Elevation (ft,msl)	Depth to Water (feet)	Groundwater Elevation (ft,msl)
MW-7	6/15/2006	15.47	5.71	9.76
	9/14/2006	15.47	6.10	9.37
	1/11/2007	15.47	6.04	9.43
	4/9/2007	15.47	5.68	9.79
	9/17/2007	15.47	6.93	8.54
	12/19/2007	15.47	5.81	9.66
	3/11/2008	15.47	5.54	9.93
	6/10/2008	15.47	6.49	8.98
	9/9/2008	15.47	7.08	8.39
	12/2/2008	15.47	6.79	8.68
MW-8	6/15/2000	17.58	7.14	10.44
	9/22/2000	17.58	8.33	9.25
	12/19/2000	17.58	7.71	9.87
	3/21/2001	17.58	6.40	11.18
	6/20/2001	17.58	7.96	9.62
	9/25/2001	17.58	8.89	8.69
	12/3/2001	17.58	6.58	11.00
	3/25/2002	17.58	5.40	12.18
	6/28/2002	17.58	7.71	9.87
	9/11/2002	17.58	8.40	9.18
	12/16/2002	17.58	5.63	11.95
	3/28/2003	17.58	6.62	10.96
	6/24/2003	17.58	7.44	10.14
	9/26/2003	17.58	8.71	8.87
	12/16/2003	17.58	6.69	10.89
	4/6/2004	17.58	6.74	10.84
	6/23/2004	17.58	7.98	9.60
	9/15/2004	17.58	8.52	9.06
	12/16/2004	17.58	5.61	11.97
	3/22/2005	17.58	5.54	12.04
	6/24/2005	17.58	6.77	10.81
	9/13/2005	17.58	7.92	9.66
	12/2/2005	17.58	7.36	10.22
	3/2/2006	17.58	5.83	11.75
	6/15/2006	17.58	6.99	10.59
	9/14/2006	17.58	7.58	10.00
	1/11/2007	17.58	6.30	11.28
	4/9/2007	17.58	7.05	10.53
	9/17/2007	17.58	8.26	9.32
	12/19/2007	17.58	6.95	10.63
	3/11/2008	17.58	6.57	11.01
	6/10/2008	17.58	7.73	9.85
	9/9/2008	17.58	8.48	9.10
	12/2/2008	17.58	8.29	9.29
MW-9	12/3/2001	17.61	5.79	11.82
	3/25/2002	17.61	4.98	12.63
	6/28/2002	17.61	7.71	9.90
	9/11/2002	17.61	6.91	10.70
	12/16/2002	17.61	6.58	11.03
	3/28/2003	17.61	6.08	11.53

APPENDIX C

HISTORICAL GROUNDWATER ELEVATION DATA
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA

Well Identification	Date Measured	Top of Casing Elevation (ft,msl)	Depth to Water (feet)	Groundwater Elevation (ft,msl)
MW-9	6/24/2003	17.61	6.42	11.19
	9/26/2003	17.61	8.14	9.47
	12/16/2003	17.61	6.76	10.85
	4/6/2004	17.61	5.97	11.64
	6/23/2004	17.61	7.80	9.81
	9/15/2004	17.61	7.14	10.47
	12/16/2004	17.61	5.73	11.88
	3/22/2005	17.61	5.31	12.30
	6/24/2005	17.61	6.05	11.56
	9/13/2005	17.61	6.70	10.91
	12/2/2005	17.61	6.92	10.69
	3/2/2006	17.61	5.83	11.78
	6/15/2006	17.61	6.32	11.29
	9/14/2006	17.61	6.79	10.82
	1/11/2007	17.61	5.59	12.02
	4/9/2007	17.61	6.35	11.26
	9/17/2007	17.61	7.26	10.35
	12/19/2007	17.61	6.81	10.80
	3/11/2008	17.61	5.95	11.66
	6/10/2008	17.61	6.98	10.63
	9/9/2008	17.61	7.34	10.27
	12/2/2008	17.61	7.31	10.30
MW-10	12/3/2001	16.92	4.22	12.70
	3/25/2002	16.92	3.00	13.92
	6/28/2002	16.92	5.65	11.27
	9/11/2002	16.92	6.16	10.76
	12/16/2002	16.92	3.74	13.18
	3/28/2003	16.92	4.54	12.38
	6/24/2003	16.92	5.40	11.52
	9/26/2003	16.92	6.98	9.94
	12/16/2003	16.92	4.94	11.98
	4/6/2004	16.92	4.54	12.38
	6/23/2004	16.92	5.96	10.96
	9/15/2004	16.92	6.86	10.06
	12/16/2004	16.92	4.45	12.47
	3/22/2005	16.92	3.56	13.36
	6/24/2005	16.92	4.58	12.34
	9/12/2005	16.92	6.08	10.84
	12/2/2005	16.92	4.94	11.98
	3/2/2006	16.92	3.90	13.02
	6/15/2006	16.92	4.74	12.18
	9/14/2006	16.92	5.27	11.65
	1/11/2007	16.92	4.37	12.55
	4/9/2007	16.92	4.81	12.11
	9/17/2007	16.92	6.48	10.44
	12/19/2007	16.92	5.21	11.71
	3/11/2008	16.92	4.60	12.32
	6/10/2008	16.92	5.77	11.15
	9/9/2008	16.92	6.71	10.21
	12/2/2008	16.92	6.22	10.70

APPENDIX C

HISTORICAL GROUNDWATER ELEVATION DATA
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA

Well Identification	Date Measured	Top of Casing Elevation (ft,msl)	Depth to Water (feet)	Groundwater Elevation (ft,msl)
MW-11	12/3/2001	14.87	5.67	9.20
	3/25/2002	14.87	4.68	10.19
	6/28/2002	14.87	6.35	8.52
	9/11/2002	14.87	6.91	7.96
	12/16/2002	14.87	3.92	10.95
	3/28/2003	14.87	5.17	9.70
	6/24/2003	14.87	5.86	9.01
	9/26/2003	14.87	7.16	7.71
	12/16/2003	14.87	5.61	9.26
	4/6/2004	14.87	5.49	9.38
	6/23/2004	14.87	5.68	9.19
	12/16/2004	14.87	4.69	10.18
	3/22/2005	14.87	4.20	10.67
	6/24/2005	14.87	5.41	9.46
	9/13/2005	14.87	6.23	8.64
	9/15/2005	14.87	6.45	8.42
	12/2/2005	14.87	5.95	8.92
	3/2/2006	14.87	4.31	10.56
	6/15/2006	14.87	5.40	9.47
	9/14/2006	14.87	5.94	8.93
	1/11/2007	14.87	5.45	9.42
	4/9/2007	14.87	5.52	9.35
	9/17/2007	14.87	NM	NM
	12/19/2007	14.87	5.74	9.13
	3/11/2008	14.87	4.82	10.05
	6/10/2008	14.87	6.17	8.70
	9/9/2008	14.87	6.98	7.89
	12/2/2008	14.87	6.71	8.16
MW-12	6/28/2002	14.05	6.13	7.92
	9/11/2002	14.05	6.82	7.23
	12/16/2002	14.05	4.94	9.11
	3/28/2003	14.05	5.08	8.97
	6/24/2003	14.05	5.73	8.32
	9/26/2003	14.05	6.94	7.11
	12/16/2003	14.05	4.99	9.06
	4/6/2004	14.05	5.04	9.01
	6/23/2004	14.05	5.78	8.27
	9/15/2004	14.05	6.43	7.62
	12/16/2004	14.05	4.34	9.71
	3/22/2005	14.05	3.50	10.55
	6/24/2005	14.05	4.9	9.15
	9/12/2005	14.05	6.11	7.94
	12/2/2005	14.05	5.13	8.92
	3/2/2006	14.05	3.83	10.22
	6/15/2006	14.05	5.18	8.87
	9/14/2006	14.05	5.86	8.19
	1/11/2007	14.05	6.97	7.08
	4/9/2007	14.05	5.31	8.74
	9/17/2007	14.05	6.59	7.46
	12/19/2007	14.05	5.24	8.81
	3/11/2008	14.05	4.80	9.25
	6/10/2008	14.05	6.13	7.92

APPENDIX C

HISTORICAL GROUNDWATER ELEVATION DATA
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA

Well Identification	Date Measured	Top of Casing Elevation (ft,msl)	Depth to Water (feet)	Groundwater Elevation (ft,msl)
MW-12	9/9/2008	14.05	6.84	7.21
	12/2/2008	14.05	6.59	7.46
MW-13	6/28/2002	13.39	6.21	7.18
	9/11/2002	13.39	6.66	6.73
	12/16/2002	13.39	3.90	9.49
	3/28/2003	13.39	5.34	8.05
	6/24/2003	13.39	5.99	7.40
	9/26/2003	13.39	6.99	6.40
	12/16/2003	13.39	5.01	8.38
	4/6/2004	13.39	5.35	8.04
	6/23/2004	13.39	6.12	7.27
	9/15/2004	13.39	6.63	6.76
	12/16/2004	13.39	4.69	8.70
	3/22/2005	13.39	4.86	8.53
	6/24/2005	13.39	5.13	8.26
	9/12/2005	13.39	6.33	7.06
	12/2/2005	13.39	5.25	8.14
	3/2/2006	13.39	4.33	9.06
	6/15/2006	13.39	5.44	7.95
	9/14/2006	13.39	6.03	7.36
	1/11/2007	13.39	5.41	7.98
	4/9/2007	13.39	5.71	7.68
	9/17/2007	13.39	6.65	6.74
	12/19/2007	13.39	5.37	8.02
	3/11/2008	13.39	5.32	8.07
	6/10/2008	13.39	6.40	6.99
	9/9/2008	13.39	7.03	6.36
	12/2/2008	13.39	6.73	6.66

Notes:
1. Top of casing elevations are referenced to mean sea level (msl) and surveyed with reference to the benchmark located at Peterson Street and East 7th Street.
2. NM refers to Not Measured.
3. ft, msl refers to feet above mean sea level.

APPENDIX D

HISTORICAL GROUNDWATER ANALYTICAL DATA

APPENDIX D

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA

Well Location	Date Sampled	TPH-g (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	TCE (ug/L)	1,2-DCA (ug/L)	cis-1,2-DCE (ug/L)	trans-1,2-DCE (ug/L)	VC (ug/L)
MW-1	2/8/1999	**48,000**	**3,900**	**6,300**	**970**	**4,300**	NA	<30	NA	NA	NA
	6/15/2000	**29,000**	**3,900**	<100	**1,900**	**4,200**	<5.0	<5.0	<5.0	<5.0	<5.0
	9/22/2000	**25,000**	**3,100**	**1,800**	**470**	**3,600**	NA	NA	NA	NA	NA
	12/19/2000	**25,000**	**3,200**	**1,900**	**480**	**3,300**	<2.5	<2.5	<2.5	<2.5	<2.5
	3/21/2000	**21,000**	**3,200**	**1,700**	**290**	**2,600**	<2.5	<2.5	<2.5	<2.5	<2.5
	6/21/2001	**12,000**	**2,000**	**880**	**180**	**1,180**	<0.5	3.0	<0.5	<0.5	<0.5
	9/26/2001	**16,000**	**1,100**	**130**	< 10	**320**	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
	12/3/2001	**15,000**	**2,800**	**1,200**	**310**	**1,660**	<3.1	<3.1	<3.1	<3.1	<3.1
	3/25/2002	**11,000**	**3,200**	**1,200**	**73**	**1,860**	<5	<5	<5	<5	<5
	6/28/2002	**26,000**	**3,200**	**1,800**	**640**	**2,900**	<3.1	<3.1	<3.1	<3.1	<3.1
	9/11/2002	**27,000**	**3,200**	**1,900**	**720**	**3,500**	<4.2	<4.2	<4.2	<4.2	<4.2
	12/16/2002	**20,000**	**2,800**	**490**	**500**	**2,300**	<4.2	<4.2	<4.2	<4.2	<4.2
	3/28/2003	**20,000**	**2,700**	**1,500**	**650**	**2,300**	<3.6	<3.6	<3.6	<3.6	<3.6
	6/24/2003	**14,000**	**2,400**	**1,400**	**500**	**2,100**	<4.2	<4.2	<4.2	<4.2	<4.2
	9/26/2003	**11,000**	**1,200**	**960**	**370**	**1,600**	<1.0	<1.0	<1.0	<1.0	<1.0
	12/16/2003	Not Sampled									
	4/6/2004	**18,000**	**2,400**	**1,300**	**550**	**1,730**	<2.0	<2.0	<2.0	<2.0	<2.0
	6/23/2004	**25,000**	**2,700**	**1,700**	**680**	**2,300**	<2.5	<2.5	<2.5	<2.5	<2.5
	9/15/2004	Not Sampled									
	12/16/2004	**1,800**	**260**	**89**	**32**	**119**	<2.5	<2.5	<2.5	<2.5	<2.5
	3/22/2005	**19,000**	**2,400**	**960**	**530**	**1,330**	<3.6	<3.6	<3.6	<3.6	<3.6
	6/24/2005	**12,000**	**2,400**	**450**	**470**	**940**	<3.6	<3.6	<3.6	<3.6	<3.6
	9/13/2005	**17,000**	**2,700**	**1,000**	**740**	**1,760**	<1.0	<1.0	<1.0	<1.0	<1.0
	12/2/2005	**9,300**	**1,500**	**500**	**420**	**1,060**	<3.6	<3.6	<3.6	<3.6	<3.6
	3/2/2006	**6,200**	**1,400**	**200**	**180**	**370**	<3.6	<3.6	<3.6	<3.6	<3.6
	6/15/2006	**10,000**	**2,500**	**200**	**440**	**570**	<4.2	<4.2	<4.2	<4.2	<4.2
	9/14/2006	**13,000**	**2,300**	**320**	**450**	**870**	<4.2	<4.2	<4.2	<4.2	<4.2
	1/11/2007	**14,000**	**1,200**	**270**	**450**	**850**	<2.0	<2.0	<2.0	<2.0	<2.0
	4/9/2007	**12,000**	**1,800**	**270**	**520**	**750**	<2.0	<2.0	<2.0	<2.0	<2.0
	9/17/2007	**9,000**	**1,200**	**230**	**450**	**471**	<2.0	<2.0	<2.0	<2.0	<2.0
	12/19/2007	**12,000**	**1,400**	**290**	**670**	**746**	<2.5	<2.5	<2.5	<2.5	<2.5
	3/11/2008	**10,000**	**1,900**	**280**	**550**	**650**	<2.5	<2.5	<2.5	<2.5	<2.5
	6/10/2008	**8,700**	**1,700**	**170**	**430**	**373**	<2.5	<2.5	<2.5	<2.5	<2.5
	9/9/2008	**7,600**	**830**	**230**	**540**	**350**	<1.7	<1.7	<1.7	<1.7	<1.7
	12/2/2008	**5,700**	**940**	**220**	**430**	**299**	<1.3	<1.3	<1.3	<1.3	<1.3
MW-2	2/8/1999	**41,000**	**11,000**	**4,900**	**650**	**1,720**	NA	**60**	NA	NA	NA
	6/29/2000	**31,000**	**11,000**	**930**	**4,400**	**250**	<5.0	**25**	<5.0	<5.0	<5.0
	9/22/2000	**24,000**	**10,000**	**2,700**	**370**	**1,200**	NA	NA	NA	NA	NA
	12/19/2000	**43,000**	**9,800**	**4,000**	**810**	**2,430**	<13	**21**	<13	<13	<13
	3/23/2001	**34,000**	**10,000**	**3,200**	**410**	**1,220**	<13	**14**	<13	<13	<13
	6/21/2001	**30,000**	**8,600**	**2,600**	**440**	**1,230**	<0.5	**5.6**	<0.5	<0.5	<0.5
	9/26/2001	**26,000**	**12,000**	**3,900**	**590**	**1,960**	< 10	**11**	< 10	< 10	< 10
	12/3/2001	**45,000**	**13,000**	**5,100**	**950**	**2,930**	<7.1	**14**	<7.1	<7.1	<7.1
	3/25/2002	**21,000**	**11,000**	**3,700**	**1,000**	**2,790**	<17	<17	<17	<17	<17
	6/28/2002	**8,400**	**2,200**	**680**	**21**	**220**	<3.1	**8.8**	<3.1	<3.1	<3.1
	9/11/2002	**23,000**	**6,600**	**1,000**	**600**	**1,320**	<6.3	**10**	<6.3	<6.3	<6.3
	12/16/2002	**6,000**	**1,600**	**410**	**150**	**402**	4.5	**2.7**	**69**	**6.9**	<2.5
	3/28/2003	**30,000**	**9,300**	**920**	**930**	**2,000**	<13	**14**	<13	<13	<13
	6/24/2003	**19,000**	**10,000**	**1,700**	**1,100**	**2,530**	<13	<13	<13	<13	<13
	9/26/2003	**20,000**	**10,000**	**2,100**	**960**	**2,520**	<17	<17	<17	<17	<17
	12/16/2003	**22,000**	**10,000**	**2,700**	**1,200**	**2,920**	<25	<25	<25	<25	<25
	4/6/2004	**27,000**	**7,600**	**1,700**	**630**	**1,420**	<10	<10	<10	<10	<10
	6/23/2004	**33,000**	**8,200**	**1,800**	**870**	**1,930**	<17	<17	<17	<17	<17
	9/15/2004	**46,000**	**13,000**	**1,300**	**1,400**	**2,710**	<17	<17	<17	<17	<17
	12/16/2004	Not Sampled									
	3/22/2005	**42,000**	**9,900**	**1,200**	**1,200**	**2,530**	<17	<17	<17	<17	<17

APPENDIX D

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA

Well Location	Date Sampled	TPH-g (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	TCE (ug/L)	1,2-DCA (ug/L)	cis-1,2-DCE (ug/L)	trans-1,2-DCE (ug/L)	VC (ug/L)
MW-2	6/24/2005	**31,000**	**12,000**	**1,200**	**810**	**1,380**	<20	<20	<20	<20	<20
	9/13/2005	**35,000**	**13,000**	**1,100**	**1,300**	**2,260**	<7.1	<7.1	<7.1	<7.1	<7.1
	12/2/2005	Not Sampled									
	3/2/2006	**25,000**	**7,900**	**620**	**740**	**1,260**	<7.1	<7.1	<7.1	<7.1	<7.1
	6/15/2006	**47,000**	**11,000**	**800**	**1,200**	**2,230**	<20	<20	<20	<20	<20
	9/14/2006	**50,000**	**11,000**	**470**	**1,200**	**2,330 C**	<10	<10	<10	<10	<10
	1/11/2007	**29,000**	**10,000**	**240**	**1,100**	**1,340**	<13	<13	<13	<13	<13
	4/9/2007	**33,000**	**9,200**	**1,000**	**1,200**	**1,510**	<13	<13	<13	<13	<13
	9/17/2007	**11,000**	**9,200**	**410**	**1,100**	**1,300**	<13	<13	<13	<13	<13
	12/19/2007	**32,000**	**9,900**	**240**	**1,100**	**770**	<17	<17	<17	<17	<17
	3/11/2008	**40,000**	**12,000**	**270**	**1,500**	**1,290**	<13	<13	<13	<13	<13
	6/10/2008	**26,000**	**9,700**	**160**	**990**	**890**	<13	<13	<13	<13	<13
	9/9/2008	**34,000**	**12,000**	**130**	**1,600**	**790**	<13	<13	<13	<13	<13
	12/2/2008	**20,000**	**8,400**	**110**	**1,000**	**610**	<20	<20	<20	<20	<20
MW-3	2/8/1999	**35,000**	**1,200**	**3,400**	**1,400**	**4,900**	NA	<30	NA	NA	NA
	6/29/2000	**39,000**	**7,800**	**630**	**8,000**	**3,400**	<5.0	**600**	<5.0	<5.0	<5.0
	9/22/2000	**83,000**	**16,000**	**20,000**	**1,300**	**7,000**	NA	NA	NA	NA	NA
	12/19/2000	**50,000**	**1,200**	**1,600**	**510**	**1,810**	<8.3	**350**	<8.3	<8.3	<8.3
	3/22/2001	**1,300**	**98**	**67**	**51**	**104**	<0.5	**2.3**	<0.5	<0.5	<0.5
	6/21/2001	**34,000**	**5,900**	**6,200**	**340**	**1,550**	2.4	**120**	**0.8**	<0.5	<0.5
	9/26/2001	**59,000**	**12,000**	**13,000**	**780**	**3,680**	< 8.3	**990**	< 8.3	< 8.3	< 8.3
	Removed from sampling program in October 2001										
MW-4	2/8/1999	**15,000**	**670**	**90**	**780**	**940**	NA	<30	NA	NA	NA
	6/15/2000	**2,300**	**230**	<5	**10**	**94**	<0.5	**0.88**	**2.1**	<0.5	<0.5
	9/22/2000	**12,000**	**2,800**	**82**	**1,100**	**1,300**	NA	NA	NA	NA	NA
	12/19/2000	**2,200**	**200**	**2.9**	**100**	**81.4**	<0.5	<0.5	<0.5	<0.5	<0.5
	3/22/2001	**5,600**	**1,100**	**13**	**310**	**303**	<0.5	<0.5	**1.6**	<0.5	<0.5
	6/21/2001	**11,000**	**2,300**	**26**	**570**	**641**	<0.5	**1.4**	**3.3**	<0.5	<0.5
	9/26/2001	**17,000**	**7,900**	< 50	**440**	**581**	< 0.5	**1.9**	**8.1**	< 0.5	< 0.5
	Removed from sampling program in October 2001										
MW-5	2/8/1999	**4,900**	**780**	**440**	**230**	**370**	<0.5	<0.5	<0.5	<0.5	<0.5
	6/29/2000	**3,900**	**1,500**	**28**	**330**	**260**	<0.5	**36**	<0.5	<0.5	<0.5
	9/27/2000	**16,000**	**4,300**	**3,100**	**420**	**1,600**	NA	NA	NA	NA	NA
	12/19/2000	**21,000**	**3,200**	**1,100**	**1,100**	**1,300**	<4.2	**15**	<4.2	<4.2	<4.2
	3/22/2001	**6,200**	**1,500**	**360**	**310**	**288**	<0.5	**3.3**	<0.5	<0.5	<0.5
	6/21/2001	**18,000**	**3,400**	**2,300**	**350**	**1,020**	<0.5	**21**	<0.5	<0.5	<0.5
	9/26/2001	**5,100**	**2,400**	**1,200**	< 10	**460**	< 3.6	**22**	< 3.6	< 3.6	< 3.6
	Removed from sampling program in October 2001										
MW-6	6/15/2000	**1,100**	**3.8**	**2.2**	**2.1**	**4.8**	< 0.5	**0.78**	< 0.5	< 0.5	< 0.5
	9/22/2000	**71**	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA	NA	NA	NA
	12/19/2000	**320**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	3/21/2001	**820**	< 0.5	< 0.5	**1.4**	**0.52**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	6/21/2001	**420**	< 0.5	< 0.5	**0.59**	**1**	< 0.5	**0.9**	< 0.5	< 0.5	< 0.5
	9/25/2001	**760**	< 0.5	< 0.5	< 0.5	**2.9**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	12/3/2001	**72**	< 0.5	< 0.5	< 0.5	<0.5	< 0.5	**1.6**	< 0.5	< 0.5	< 0.5
	3/25/2002	**1,200**	**22**	**8.0**	**5.7**	**13.5**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	6/28/2002	**120**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.6**	< 0.5	< 0.5	< 0.5
	9/11/2002	**120**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	12/16/2002	**62**	< 0.5	**0.54**	**3.0**	**8.39**	**0.7**	**1**	< 0.5	< 0.5	< 0.5
	3/28/2003	Not Sampled									
	6/24/2003	**130**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	9/26/2003	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.7**	< 0.5	< 0.5	< 0.5
	12/16/2003	<50	< 0.5	< 0.5	< 0.5	**0.88**	**1.7**	< 0.5	**0.6**	<0.5	<0.5

APPENDIX D

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA

Well Location	Date Sampled	TPH-g (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	TCE (ug/L)	1,2-DCA (ug/L)	cis-1,2-DCE (ug/L)	trans-1,2-DCE (ug/L)	VC (ug/L)
MW-6	4/6/2004	**260**	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	< 0.5	<0.5	<0.5	<0.5
	6/23/2004	**63**	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	**0.8**	<0.5	<0.5	<0.5
	9/15/2004	<50	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	< 0.5	<0.5	<0.5	<0.5
	12/16/2004	**240**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	3/22/2005	**420**	< 0.5	< 0.5	< 0.5	**0.95**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	6/24/2005	**91**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	9/13/2005	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	12/2/2005	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.7**	< 0.5	< 0.5	< 0.5
	3/2/2006	**120**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	6/15/2006	**51**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	9/14/2006	**57**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	1/11/2007	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	4/9/2007	<50	<0.5	<0.5	<0.5	<0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	9/17/2007	<50	<0.5	<0.5	<0.5	<0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	12/19/2007	<50	<0.5	**0.51**	<0.5	**0.96**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	3/11/2008	**64 Y**	<0.5	<0.5	<0.5	<0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	6/10/2008	<50	<0.5	<0.5	<0.5	<0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	9/9/2008	<50	<0.5	<0.5	<0.5	<0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	12/2/2008	<50	<0.5	<0.5	<0.5	<0.5	<0.5	**0.6**	<0.5	<0.5	<0.5
MW-7	6/15/2000	**1,000**	**250**	< 10	<10	**16**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	9/22/2000	<50	**2**	< 0.5	< 0.5	< 0.5	NA	NA	NA	NA	NA
	12/19/2000	<50	**1.6**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	3/21/2001	**160**	**59**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	6/21/2001	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	9/25/2001	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	12/3/2001	**82**	**24**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	3/25/2002	<50	**0.56**	**0.75**	<0.5	**0.69**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	6/28/2002	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	9/11/2002	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	12/16/2002	<50	< 0.5	< 0.5	**1.6**	**3.7**	**0.5**	<0.5	<0.5	<0.5	<0.5
	3/28/2003	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	6/24/2003	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	9/26/2003	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	12/16/2003	<50	< 0.5	< 0.5	< 0.5	**0.75**	**1.8**	< 0.5	**0.6**	< 0.5	< 0.5
	4/6/2004	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	6/23/2004	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	9/15/2004	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	12/16/2004	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	3/22/2005	Not Sampled									
	6/24/2005	Not Sampled									
	9/12/2005	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	12/2/2005	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	3/2/2006	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	6/15/2006	<50	< 0.5	< 0.5	< 0.5	**0.62**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	9/14/2006	<50	< 0.5	< 0.5	< 0.5	<0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	1/11/2007	<50	< 0.5	< 0.5	< 0.5	<0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	4/9/2007	<50	<0.5	<0.5	<0.5	<0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	9/17/2007	<50	<0.5	<0.5	<0.5	<0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	12/19/2007	<50	**0.93**	<0.5	<0.5	<0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	3/11/2008	<50	**2.6**	<0.5	<0.5	<0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	6/10/2008	<50	<0.5	<0.5	<0.5	<0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	9/9/2008	<50	<0.5	<0.5	<0.5	<0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	12/2/2008	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-8	6/15/2000	**5,400**	**150**	<5	**8.9**	**8.7**	**210**	<13	**1,100**	**73**	**25**
	9/22/2000	**1,800**	**340**	<2.5	<2.5	<2.5	NA	NA	NA	NA	NA

APPENDIX D

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA

Well Location	Date Sampled	TPH-g (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	TCE (ug/L)	1,2-DCA (ug/L)	cis-1,2-DCE (ug/L)	trans-1,2-DCE (ug/L)	VC (ug/L)
MW-8	12/19/2000	2,700	410	<2.5	4.8	<2.5	130	9.1	1,000	67	48
	3/21/2001	3,500	530	<2.5	21	<2.5	32	<3.6	760	39	58
	6/21/2001	2,400	490	<2.5	29	<2.5	28	4.9	910	48	75
	9/25/2001	1,500	170	4.3	1.6	2.7	36	5.0	820	59	53
	12/3/2001	1,200	190	14	2.7	11.3	100	<2.5	650	44	31
	3/25/2002	990	280	7.2	1.4	6.8	10	3.6	790	33	49
	6/28/2002	2,200	410	<1.0	40	<1.0	18	4.9	900	54	80
	9/11/2002	2,000	390	1.6	39	<1.0	17	<3.6	1,000	60	91
	12/16/2002	95	26	<0.5	1	<0.5	17	2.2	330	36	4.7
	3/28/2003	1,500	400	<0.5	50	0.62	3.5	<2.5	700	39	41
	6/24/2003	3,300	520	<0.5	58	0.63	6.4	3.7	1,000	49	61
	9/26/2003	1,300	280	3.9	38	0.85	20	<3.6	890	49	47
	12/16/2003	1,100	310	<2.5	14	<2.5	12	4.3	1,200	53	110
	4/6/2004	3,800	420	<0.5	53	1.2	4.4	3.7	1,100	39	58
	6/23/2004	4,600	570	2.9	100	1.5	<8.3	<8.3	1,300	50	80
	9/15/2004	4,900	710	<1.0	100	<1.0	<7.1	<7.1	1,200	49	100
	12/16/2004	3,800	450	<0.5	75	6.5	<8.3	<8.3	1,500	60	86
	3/22/2005	1,700	120	<1.0	9.8	<1.0	<3.6	<3.6	620	27	38
	6/24/2005	1,400	100	<1.0	37	<1.0	<5.0	<5.0	770	29	51
	9/13/2005	2,700	250	<1.0	110	<1.0	<7.1	<7.1	1,000	35	60
	12/2/2005	1,500	160	<1.0	33	<1.0	13	<5.0	930	46	80
	3/2/2006	2,000 L	210	<0.5	36	<0.5	<6.3	<6.3	890	34	50
	6/15/2006	1,400	78	<0.5	21	<0.5	6.9	<5.0	700	28	41
	9/14/2006	1,600	120	<0.5	42	<0.5	7.6	<6.3	800	37	43
	1/11/2007	1,100 Y	130	<0.5	49	1.1 C	<6.3	<6.3	820	32	58
	4/9/2007	2,200 L	160	<0.5	65	1.1	<6.3	<6.3	820	24	55
	9/17/2007	3,300 L Y	230	<0.5	140	<0.5	<6.3	<6.3	900	28	91
	12/19/2007	3,300	280	<0.5	120	<0.5	<10	<10	1,200	36	150
	3/11/2008	1,700	180	2.1 C	110	3.5	1.0	<0.5	890	28	67
	6/10/2008	4,000	300	5.0 C	220	3.3 C	<6.3	<6.3	940	27	70
	9/9/2008	4,100	300	<0.5	230	<0.5	<6.3	<6.3	1,200	36	190
	12/2/2008	2,200	210	1.5	91	2.8	<6.3	<6.3	830	43	200
MW-9	12/3/2001	90,000	15,000	15,000	2,200	9,100	<10	<10	<10	<10	<10
	3/25/2002	71,000	15,000	17,000	1,900	8,000	<31	<31	<31	<31	<31
	6/28/2002	60,000	5,800	7,400	1,100	5,400	<13	<13	<13	<13	<13
	9/11/2002	57,000	8,300	6,100	340	4,700	<10	18	<10	<10	<10
	12/16/2002	29,000	5,500	3,900	300	1,860	<5	8.9	<5	<5	<5
	3/28/2003	61,000	13,000	8,600	860	4,800	<20	<20	<20	<20	<20
	6/24/2003	45,000	15,000	9,600	1,100	5,200	<5	10	<5	<5	<5
	9/26/2003	34,000	12,000	5,600	880	4,700	<17	<17	<17	<17	<17
	12/16/2003	34,000	14,000	4,900	940	4,700	<42	<42	<42	<42	<42
	4/6/2004	60,000	14,000	3,100	1,300	5,500	<17	<17	<17	<17	<17
	6/23/2004	53,000	12,000	2,600	1,100	4,800	<20	<20	<20	<20	<20
	9/15/2004	76,000	17,000	2,200	1,500	6,600	<20	<20	<20	<20	<20
	12/16/2004	63,000	15,000	1,700	1,300	5,900	<20	<20	<20	<20	<20
	3/22/2005	66,000	13,000	2,000	1,200	5,800	<17	<17	<17	<17	<17
	6/24/2005	54,000	16,000	780	1,300	5,200	<20	<20	<20	<20	<20
	9/13/2005	48,000	11,000	4,800	470	4,110	<17	<17	<17	<17	<17
	12/2/2005	39,000	12,000	3,800	650	3,470 C	<20	<20	<20	<20	<20
	3/2/2006	51,000	12,000	3,500	750	4,170	<20	<20	<20	<20	<20
	6/15/2006	67,000	16,000	5,000	1,900	5,790	<36	<36	<36	<36	<36
	9/14/2006	49,000	13,000	620	1,000	3,680	<13	<13	<13	<13	<13
	1/11/2007	45,000	13,000	460	1,100	3,050	<17	<17	<17	<17	<17
	4/9/2007	49,000	13,000	580	1,100	3,020	<17	<17	<17	<17	<17
	9/17/2007	19,000	9,600	250	1,000	2,540	<17	<17	<17	<17	<17
	12/19/2007	44,000	9,500	170	800	1,880	<20	<20	<20	<20	<20

APPENDIX D

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA

Well Location	Date Sampled	TPH-g (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	TCE (ug/L)	1,2-DCA (ug/L)	cis-1,2-DCE (ug/L)	trans-1,2-DCE (ug/L)	VC (ug/L)
MW-9	3/11/2008	**17,000**	**12,000**	**300**	**1,100**	**2,350**	<42	<42	<42	<42	<42
	6/10/2008	**9,500**	**2,500**	**54**	**400**	**494**	<5.0	<5.0	<5.0	<5.0	<5.0
	9/9/2008	**45,000**	**14,000**	**91**	**1,700**	**1,940**	<10	<10	<10	<10	<10
	12/2/2008	**9,000**	**3,200**	**15**	**290**	**417**	<5.0	<5.0	**12**	<5.0	<5.0
MW-10	12/3/2001	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/25/2002	**51**	**2.5**	**3.6**	**0.53**	**2.27**	<0.5	<0.5	<0.5	<0.5	<0.5
	6/28/2002	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/11/2002	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/16/2002	<50	<0.5	0.65	**3.0**	**7.53**	**0.8**	<0.5	<0.5	<0.5	<0.5
	3/28/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/24/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/26/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/16/2003	<50	<0.5	<0.5	<0.5	<0.5	**0.6**	<0.5	<0.5	<0.5	<0.5
	4/6/2004	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/23/2004	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/15/2004	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/16/2004	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/22/2005	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/24/2005	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/12/2005	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/2/2005	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/2/2006	<50	**0.74**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/15/2006	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/14/2006	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	1/11/2007	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	4/9/2007	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/17/2007	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/19/2007	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/11/2008	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/10/2008	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/9/2008	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/2/2008	<50	**0.56**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-11	12/3/2001	**1,600**	**470**	<0.5	**3.7**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/25/2002	**130**	**11**	**20**	**3.3**	**14.5**	<0.5	<0.5	<0.5	<0.5	<0.5
	6/28/2002	<50	**7.7**	<0.5	**<0.5**	<0.5	**0.6**	<0.5	<0.5	<0.5	<0.5
	9/11/2002	**120**	**66**	<0.5	**0.74**	<0.5	<0.5	<0.5	**0.6**	<0.5	<0.5
	12/16/2002	**160**	**42**	**0.89**	**4.8**	**11.1**	**3.6**	<0.5	**1.1**	<0.5	<0.5
	3/28/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/24/2003	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/26/2003	<50	**1.2**	**0.69**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/16/2003	**91**	**4.7**	<0.5	<0.5	**0.51**	**2.9**	<0.5	**0.9**	**0.6**	<0.5
	4/6/2004	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/23/2004	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/15/2004	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/16/2004	<50	**1.3**	<0.5	<0.5	**0.59**	<0.5	<0.5	<0.5	<0.5	<0.5
	3/22/2005	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/24/2005	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/13/2005	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/2/2005	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/2/2006	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/15/2006	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/14/2006	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	1/11/2007	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	4/9/2007	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/17/2007	Not Sampled									

APPENDIX D

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA

Well Location	Date Sampled	TPH-g (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	TCE (ug/L)	1,2-DCA (ug/L)	cis-1,2-DCE (ug/L)	trans-1,2-DCE (ug/L)	VC (ug/L)
MW-11	12/19/2007	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/11/2008	**52 Y**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/10/2008	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	9/9/2008	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/2/2008	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-12	6/28/2002	**71**	<0.5	<0.5	<0.5	<0.5	**170**	<0.5	**42**	**47**	**0.9**
	9/11/2002	**89**	<0.5	<0.5	<0.5	<0.5	**180**	<0.5	**46**	**51**	**0.9**
	12/16/2002	**130**	<0.5	**0.9**	**4.2**	**9.9**	**200**	<0.5	**57**	**60**	**0.9**
	3/28/2003	**110**	<0.5	<0.5	<0.5	<0.5	**190**	<0.7	**53**	**53**	**0.9**
	6/24/2003	**140**	<0.5	<0.5	<0.5	<0.5	**220**	<1.0	**58**	**66**	<1.0
	9/26/2003	**230**	**2.9**	**1.1**	**3.8**	**6.71**	**210**	<0.7	**60**	**63**	<0.7
	12/16/2003	**120**	<0.5	<0.5	<0.5	**0.65**	**140**	<0.5	**44**	**44**	<0.5
	4/6/2004	**76**	<0.5	<0.5	<0.5	<0.5	**160**	<0.5	**49**	**54**	<0.5
	6/23/2004	**99**	<0.5	<0.5	<0.5	<0.5	**200**	<0.5	**65**	**74**	<0.5
	9/15/2004	**130**	<0.5	<0.5	<0.5	<0.5	**290**	<1.7	**73**	**83**	<1.7
	12/16/2004	**110**	**0.94**	<0.5	<0.5	<0.5	**240**	<2.0	**80**	**77**	<2.0
	3/22/2005	**61**	<0.5	<0.5	<0.5	<0.5	**95**	<0.5	**26**	**42**	<0.5
	6/24/2005	**59**	<0.5	<0.5	<0.5	<0.5	**120**	<1.0	**31**	**39**	<1.0
	9/12/2005	**64**	<0.5	<0.5	<0.5	<0.5	**130**	<0.7	**34**	**42**	<0.7
	12/2/2005	**80 Y,Z**	<0.5	<0.5	<0.5	<0.5	**170**	<1.0	**43**	**49**	<1.0
	3/2/2006	**54 Y Z**	<0.5	<0.5	<0.5	<0.5	**84**	<0.8	**27**	**31**	<0.8
	6/15/2006	**58 Y,Z**	<0.5	<0.5	<0.5	<0.5	**99**	<0.5	**30**	**38**	<0.5
	9/14/2006	**81 Y Z**	<0.5	<0.5	<0.5	<0.5	**110**	<1.0	**41**	**47**	<1.0
	1/11/2007	**76 Y Z**	<0.5	<0.5	<0.5	<0.5	**140**	<1.0	**47**	**53**	<1.0
	4/9/2007	**70 Y Z**	**1.4**	<0.5	<0.5	<0.5	**130**	<1.0	**43**	**48**	<1.0
	9/17/2007	**84 L Y**	<0.5	<0.5	<0.5	<0.5	**160**	<1.0	**61**	**63**	<1.0
	12/19/2007	**68 Y**	<0.5	<0.5	<0.5	<0.5	**140**	<0.7	**55**	**57**	<0.7
	3/11/2008	**72 Y**	<0.5	<0.5	<0.5	<0.5	**90**	<0.7	**29**	**32**	<0.7
	6/10/2008	**63 Y**	<0.5	<0.5	<0.5	<0.5	**110**	<0.7	**44**	**44**	<0.7
	9/9/2008	**89 Y Z**	**1.2**	<0.5	<0.5	<0.5	**140**	<0.7	**60**	**59**	<0.7
	12/2/2008	**65 Y**	**0.53**	<0.5	<0.5	<0.5	**98**	<0.5	**54**	**58**	<0.5
MW-13	6/28/2002	**5,600**	**120**	**55**	**130**	**9.5**	**61**	<0.5	**430**	**14**	**4.4**
	9/11/2002	**4,500**	**58**	**7.5**	**150**	**14**	**63**	<0.5	**410**	**13**	<1.3
	12/16/2002	**4,800**	**90**	<0.5	**85**	**24**	**76**	<0.5	**250**	**9.4**	**1.8**
	3/28/2003	**4,400**	**55**	<0.5	**51**	**14.3**	**85**	<0.5	**150**	**13**	**1.8**
	6/24/2003	**8,300**	**100**	<0.5	**94**	**12**	**68**	<1.0	**250**	**19**	**4.2**
	9/26/2003	**7,200**	**150**	<1.0	**89**	**57**	**51**	<1.0	**270**	**23**	**5.1**
	12/16/2003	**8,100**	**120**	**36**	**72**	**26.6**	**66**	<0.7	**240**	**23**	**10**
	4/6/2004	**3,300**	**22**	<1.0	**37**	**9.0**	**90**	<0.5	**190**	**23**	**8**
	6/23/2004	**7,000**	**140**	**25**	**88**	**21**	**53**	<2.0	**350**	**31**	**25**
	9/15/2004	**6,700**	**84**	<1.0	**78**	**7.2**	**37**	<1.7	**300**	**40**	**31**
	12/16/2004	**4,300**	**61**	<0.5	**44**	**11.5**	**69**	<2.0	**240**	**32**	**15**
	3/22/2005	**3,000**	**24**	<0.5	**20**	**7.6**	**72**	<0.5	**120**	**23**	**6.6**
	6/24/2005	**2,600**	**63**	<0.5	**25**	**4.3**	**42**	<1.0	**150**	**36**	**16**
	9/12/2005	**2,500**	**20 C**	<0.5	**33**	**6.7 c**	**25**	<1.3	**170**	**38**	**22**
	12/2/2005	**4,200 Y**	**70 C**	<0.5	**21 C**	**15.5 C**	**17**	<1.3	**140**	**40**	**24**
	3/2/2006	**3,200 L Y**	**67 C**	<0.5	**27**	**5.19 C**	**43**	<0.8	**110**	**32**	**16**
	6/15/2006	**3,400**	**92 C**	<0.5	**26**	**3.4 C**	**43**	<0.8	**120**	**39**	**18**
	9/14/2006	**2,000**	<0.5	<0.5	**64 C**	**38 C**	**15**	<0.8	**93**	**45**	**17**
	1/11/2007	**25,000 Y**	**44**	<5.0	**160**	**69 C**	**24**	<0.8	**87**	**45**	**11**
	4/9/2007	**5,800 Y**	**42 C**	<5.0	**41**	**21.2 C**	**34**	<0.8	**82**	**43**	**14**
	9/17/2007	**3,800 L**	**52 C**	**4.0**	**25**	**8.2 C**	**11**	<0.8	**56**	**65**	**11**
	12/19/2007	**8,400**	<0.5	<0.5	**41**	**23.2 C**	**21**	<0.5	**77**	**61**	**10**
	3/11/2008	**6,300 Y**	<0.5	<0.5	**59**	**8.8 C**	**22**	<1.0	**49**	**41**	**7.4**
	6/10/2008	**7,000**	**87 C**	<0.5	**37**	**9.0 C**	**9.5**	<1.0	**31**	**51**	**4.7**

APPENDIX D

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA

Well Location	Date Sampled	TPH-g (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	TCE (ug/L)	1,2-DCA (ug/L)	cis-1,2-DCE (ug/L)	trans-1,2-DCE (ug/L)	VC (ug/L)
MW-13	9/9/2008	**4,300**	**29 C**	<0.5	**41**	**9.5 C**	**17**	<0.5	**52**	<0.5	**6.5**
	12/2/2008	**3,200**	**55 C**	<0.5	**27**	**13.2**	**16**	<0.5	**51**	**63**	**5.8**
	CDPH MCL	**-**	**1**	**150**	**300**	**1,750**	**5**	**0.5**	**6**	**10**	**0.5**

Notes:
1. Results are reported in micrograms per liter (µg/L).
2. NA refers to Not Analyzed.
3. TPH-g refers to Total Petroleum Hydrocarbons as Gasoline.
4. TCE refers to Trichloroethene.
5. trans-1,2-DCE refers to trans-1,2-dichlororethene.
6. cis-1,2-DCE refers to cis-1,2-dichlororethene.
7. VC refers to vinyl chloride.
8. 1,2-DCA refers to 1,2-dichloroethane.
9. Y = Sample exhibits chromatographic pattern which does not resemble standard.
10. Z = Sample exhibits unknown single peak or peaks.
11. C = Presence confirmed, but RPD between columns exceed 40%.
12. L = Lighter hydrocarbons contributed to the quantitation.
13. CDPH MCL refers to California Department of Public Health Maximum Contaminant Level.

APPENDIX E

UNDERGROUND UTILITY LOCATIONS

STREET

OAKLAND PRIC

OF AVENUE

465.59'

463.10'

61-101-07

FL. 3.5

61-101-08

STAIRWAY

(163-3)

61-101-04

25

ALAMEDA

FORD

OF

LINE

29TH

C-617

311.52'

61-101-05

FL. 2.5

(C-617)

56.35'

NO ACCESS

77'

126'

R-106'

A-31.54'

(C-617)

119.61'

152.43'

9361

9552

9551

TRACT

36

322.59'

238.48'

34.30' CONC.

12"

40'

BOUNDARY

WEST.

6960

FL.1.10

61-100-15

FL.2.93

FL.0.70

39' CONC.

FL.0.5

FL.0.31

61-101-30

FL.0.21

20'

40'

GLASCOCK

(C-891)

394.3'

ST.

61-101-29

3393

(580-63)

FL.1.6

FL.3.5

18"

202.41'

113.15'

37.5'

62.5'

100'

3/65

13

61-101-57

(C-980)

FL.6.7

380.3'

61-101-58

FL.6.72

168.7'

FL.

7.76

FL.7.48

61-101-59

1,500,000

STREET

300'

DERBY AVE.

100'

2-10" STEEL OIL PIPE LINES

(C-760-64)

FL.9.92

FL.9.28

FL.9.86

18"

7.76

R.C.P.

FL.17.7

62-001-06

FL.L5.5

18"x18"

6206

5460

(364)

058.506

62-001-01

R-22.5

FL.10.60

FL.7.27

FWY #2

148.34'

(BOEHMER)

148.22'

FL.3.5 INLET

23.0

373.54'

100'

50'

130'

134'

3/65

112

STREET

63" CONC. INTERCEPTOR

62-001-02

FL.8.84

(C-1003)

150'

BREED

125'

175'

CHAPMAN

BANCROFT

FL.8.15

12" CONC.

247'

FL.2.87

(C-760)

64"

FL.6.10&.45'

FL.7.62

29.81

61-101-57

(C-980)

61-101-53

FL.3.47

24"x12"

C-760-64

FL.4.19

18" CONC.

FA.726

FL.5.08'

FL.5.81'

6" CONC BACKFILL

FL.6.06

12" CON.

FL.6.33

232.2' B.C.

122.2'

RESUB. OF PORT. OF N. ALAMEDA

STREET

PETERSON

200'

100'

50'

75'

75.87'

87.60'

109.32'

96.25'

103.85'

50.58'

R

FL.1.92

12"

30'

30'

(C-980)

313.15'

200'

ALAMEDA

GROUND WATER

6795

N

630'

66'

242'

26'

SITE LOCATION

20'

202.4'

FL.10.0

FL.4.45

15'x12'

12"x12"

FL.7.3

FL.6.76

255.66'

272.96'

53.81'

60'

E. 7TH ST.

NORTH

LEGEND

SANITARY SEWER

STORM CONDUIT

FLOW MONITOR

MANHOLE

LAMPHOLE

CLEAN OUT

INLET

DEED REFERENCE

MAP REFERENCE

1497 B468

REV. 11-30-78 EFD

120

APPENDIX F

DRILLING AND EXCAVATION PERMITS

wells@acpwa.org
05/29/2009 02:13 PM

To Timothy Bodkin/USA/VERITAS@VERITAS
cc Timothy Bodkin/USA/VERITAS@VERITAS, mike@abiindustries.com, nanda.thalasila@aiuholdings.com
bcc
Subject Alameda County Well Permit Approval Notification

History: This message has been replied to.

Thank you for your Online Request for Wells Permits.
Your Application Id is: 1242252254105
Application submitted on: 05/13/2009
Project Site City/Location: Oakland / 630 29th Avenue Oakland, CA
Project Start Date: 06/01/2009 **Completion Date:** 06/05/2009

Your Permit Application has been approved.
Permit Number(s) Issued: W2009-0434 Valid from 06/01/2009 to 06/05/2009

Inspection is REQUIRED.
To avoid possible delay of your project, you must contact your assigned inspector, Ron Smalley at ronaldws@acpwa.org or (510) 670-5407, no later than 5 days before the Project Start Date listed on your permit to schedule your inspection.

Attached are 2 PDF files, one serves as your receipt and permit(s), please print for your record.
The other includes the General Conditions and Instructions you must follow.
Note: You need to have the free Adobe Reader to open the pdf file.

Conditions of Permit:
Please follow and comply with conditions and instructions listed in the general conditions document.
In addition, you must comply with all specific conditions listed in your permit.

If you need further assistance regarding your permit, please visit our website at: http://www.acgov.org/pwa/wells/ or contact us at wells@acpwa.org, and include your application id number.

Thank you,
Public Works Agency-Water Resources

general_cond.pdf 1242252254105.pdf

Alameda County Public Works Agency - Water Resources Well Permit

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 05/29/2009 By jamesy

Permit Numbers: W2009-0434
Permits Valid from 06/01/2009 to 06/05/2009

Application Id:	1242252254105	**City of Project Site:**Oakland
Site Location:	630 29th Avenue Oakland, CA	
Project Start Date:	06/01/2009	**Completion Date:**06/05/2009
Assigned Inspector:	Contact Ron Smalley at (510) 670-5407 or ronaldws@acpwa.org	
Applicant:	Bureau Veritas North America, Inc. - Timothy Bodkin 2430 Camino Ramon, Suite 122, San Ramon, CA 94583	**Phone:** 925-426-2626
Property Owner:	Michael Alders 1714 San Jose Avenue, Alameda, CA 94501	**Phone:** 510-613-8200
Client:	Nanda Thalasila AIG Env Claims Div, 101 Hudson Street, 29th Floor, Jersey City, NJ 07302	**Phone:** 201-631-7225
Contact:	Timothy Bodkin	**Phone:** 925-426-2626 **Cell:** 925-260-6018

	Total Due:	$230.00
Receipt Number: WR2009-0192	**Total Amount Paid:**	$230.00
Payer Name : Bureau Veritas	Paid By: CHECK	**PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 1 Boreholes
Driller: RSI Drilling - Lic #: 802334 - Method: DP **Work Total: $230.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2009-0434	05/29/2009	08/30/2009	1	2.00 in.	35.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities

or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

5. Applicant shall contact Ron Smalley for an inspection time at 510-670-5407 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

7. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

PROGRAMS AND SERVICES

Well Standards Program

The Alameda County Public Works Agency, Water Resources is located at:
399 Elmhurst Street
Hayward, CA 94544
For Driving Directions or General Info, Please Contact 510-670-5480 or wells@acpwa.org
For Drilling Permit information and process contact James Yoo at
Phone: 510-670-6633
FAX: 510-782-1939
Email: Jamesy@acpwa.org

Alameda County Public Works is the administering agency of General Ordinance Code, Chapter 6.88 . The purpose of this chapter is to provide for the regulation of groundwater wells and exploratory holes as required by California Water Code. The provisions of these laws are administered and enforced by Alameda County Public Works Agency through its Well Standards Program.

Drilling Permit Jurisdictions in Alameda County: There are four jurisdictions in Alameda County.

Location: Agency with Jurisdiction Contact Number

Berkeley City of Berkeley Ph: 510-981-7460
Fax: 510-540-5672

Fremont, Newark, Union City Alameda County Water District Ph: 510-668-4460
Fax: 510-651-1760

Pleasanton, Dublin, Livermore, Sunol Zone 7 Water Agency Ph: 925-454-5000
Fax: 510-454-5728

The Alameda County Public Works Agency, Water Resources has the responsibility and authority to issue drilling permits and to enforce the County Water Well Ordinance 73-68. This jurisdiction covers the western Alameda County area of **Oakland, Alameda,Piedmont, Emeryville, Albany, San Leandro, San Lorenzo, Castro Valley**, and **Hayward** . The purpose of the drilling permits are to ensure that any new well or the destruction of wells, including geotechnical investigations and environmental sampling within the above jurisdiction and within Alameda County will not cause pollution or contamination of ground water or otherwise jeopardize the health, safety or welfare of the people of Alameda County.

Permits are required for all work pertaining to wells and exploratory holes at any depth within the jurisdiction of the Well Standards Program. A completed permit application *(30 Kb)** , along with a site map, should be submitted at least **ten (10) working days prior to the planned start of work**. Submittals should be sent to the address or fax number provided on the application form. When submitting an application via fax, please use a high resolution scan to retain legibility.

Fees
Beginning April 11, 2005 , the following fees shall apply:

A permit to construct, rehabilitate, or destroy wells, including cathodic protection wells, but excluding dewatering wells (*Horizontal hillside dewatering and dewatering for construction period only), shall cost $300.00 per well.

A permit to bore exploratory holes, including temporary test wells, shall cost $200 per site. A site includes the project parcel as well as any adjoining parcels.

Please make checks payable to: **Treasurer, County of Alameda**

Permit Fees are exempt to State & Federal Projects
Applicants shall submit a letter from the agency requesting the fee exemption.

Scheduling Work/Inspections:
Alameda County Public Works Agency (ACPWA), Water Resources Section requires scheduling and inspection of permitted work. All drilling activities must be scheduled in advance. Availability of inspections will vary from week to week and will come on a first come, first served bases. To ensure inspection availability on your desired or driller scheduled date, the following procedures are required:

Please contact **James Yoo at 510-670-6633** to schedule the inspection date and time (You must have drilling permit approved prior to scheduling).

Schedule the work as far in advance as possible (at least 5 days in advance); and confirm the scheduled drilling date(s) at least 24 hours prior to drilling.

Once the work has been scheduled, an ACPWA Inspector will coordinate the inspection requirements as well as how the Inspector can be reached if they are not at the site when Inspection is required. Expect for special circumstances given, all work will require the inspection to be conducted during the working hours of 8:30am to 2:30pm., Monday to Friday, excluding holidays.

Request for Permit Extension:
Permits are only valid from the start date to the completion date as stated on the drilling permit application and Conditions of Approval. To request an extension of a drilling permit application, applicants must request in writing prior to the completion date as set forth in the Conditions of Approval of the drilling permit application. Please send fax or email to Water Resources Section, Fax 510-782-1939 or email at wells@acpwa.org. There are no additional fees for permit extensions or for re-scheduling inspection dates. You may not extend your drilling permit dates beyond 90 days from the approval date of the permit application. **NO refunds** shall be given back after 90 days and the permit shall be deemed voided.

Cancel a Drilling Permit:
Applicants may cancel a drilling permit only in writing by mail, fax or email to Water Resources Section, Fax 510-782-1939 or email at wells@acpwa.org. If you do not cancel your drilling permit application before the drilling completion date or notify in writing within 90 days, Alameda County Public Works Agency, Water Resources Section may void the permit and No refunds may be given back.

Refunds/Service Charge:
A service charge of $25.00 dollars for the first check returned and $35.00 dollars for each subsequent check returned.

Applicants who cancel a drilling permit application **before** we issue the approved permit(s), will receive a **FULL** refund (at any amount) and will be mailed back within two weeks.

Applicants who cancel a drilling permit application **after** a permit has been issued will then be charged a service fee of $50.00 (fifty Dollars).

To collect the remaining funds will be determined by the amount of the refund to be refunded (see process below).

Board of Supervisors Minute Order, File No. 9763, dated January 9, 1996, gives blanket authority to the Auditor-Controller to process claims, from all County departments for the refund of fees which do not exceed $500 (Five Hundred Dollars)(with the exception of the County Clerk whose limit is $1,500).

Refunds over the amounts must be authorized by the Board of Supervisors Minute Order, File No. 9763 require specific approval by the Board of Supervisors. The forms to request for refunds under $500.00 (Five Hundred Dollars) are available at this office or any County Offices. If the amount is exceeded, a Board letter and Minute Order must accompany the claim. Applicant shall fill out the request form and the County Fiscal department will process the request.

Enforcement
Penalty. Any person who does any work for which a permit is required by this chapter and who fails to obtain a permit shall be guilty of a misdemeanor punishable by fine not exceeding Five Hundred Dollars ($500.00) or by imprisonment not exceeding six months, or by both such fine and imprisonment, and such person shall be deemed guilty of a separate offense for each and every day or portion thereof during which any such

violation is committed, continued, or permitted, and shall be subject to the same punishment as for the original offense. (Prior gen. code §3-160.6)

Enforcement actions will be determined by this office on a case-by-case basis
Drilling without a permit shall be the cost of the permit(s) and a fine of $500.00 (Five Hundred Dollars).

Well Completion Reports (State DWR-188 forms) must be filed with the Well Standards Program within 60 days of completing work. Staff will review the report, assign a state well number, and then forward it to the California Department of Water Resources (DWR). Drillers should not send completed reports to DWR directly. Failure to file a Well Completion Report or deliberate falsification of the information is a misdemeanor; it is also grounds for disciplinary action by the Contractors' State License Board. Also note that filed Well Completion Reports are considered private record protected by state law and can only be released to the well owner or those specifically authorized by government agencies.

See our website (www.acgov.org/pwa/wells/index.shtml) for links to additional forms.

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • Fax (510) 238-2263

• Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Appl# X0900556 Job Site 2870 CHAPMAN ST Parcel# 025 -0678-010-01

Descr permit to conduct soil borings no excavation without c42 or class A license Permit Issued 05/21/09

Work Type EXCAVATION-PRIVATE P

USA # Util Co. Job # Util Fund #: Acctg#: JOB SITE

		Applcnt	Phone#	Lic#	--License Classes--
Owner	ALDERS MICHAEL & MARIA & PETER				
Contractor	RESONANTSONIC	X	(530)668-2424	802334	C57 A
Arch/Engr					
Agent					

Applic Addr 220 N EAST ST., WOODLAND CA, 95776

$419.99 TOTAL FEES PAID AT ISSUANCE

$66.00 Applic	$300.00 Permit
$.00 Process	$34.77 Rec Mgmt
$.00 Gen Plan	$.00 Invstg
$.00 Other	$19.22 Tech Enh

Permit Issued By _____ Date: 5-21-09

Finaled By _____ Date: _____

ADDRESS:

DIST:

CITY OF OAKLAND

PAID

SYK 5/21/09

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • Fax (510) 238-2263

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Permit No. X0900556 Parcel #: 025 -0678-010-01
Project Address: 2870 CHAPMAN ST

Licensed Contractors' Declaration
I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Construction Lending Agency Declaration
I hereby affirm under penalty of perjury that there is a construction-lending agency for the performance of the work for which this permit is issued, as provided by Section 3097 of the Business and Professions Code. N/A under Lender implies No Lending Agency.

Lender_____ Address_____

Workers' Compensation Declaration

I hereby affirm under penalty of perjury one of the following declarations:

[ ] I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

[ ] I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

CARRIER:_____POLICY NO. _____

[ ] 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 workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS, IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3707 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

Hazardous Materials Declaration

I hereby affirm that the intended occupancy [ ] WILL [ ] WILL NOT use, handle or store any hazardous, or acutely hazardous, materials. (Checking "WILL" acknowledges that Sections 25505, 25533, & 25534 of the Health & Safety Code, as well as filing instructions, were made available to you.)

I HEREBY CERTIFY THE FOLLOWING: That I have read this document; that the above information is correct; and that I have truthfully affirmed all applicable declarations contained in this document. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection. I am fully authorized by the owner and to perform the work authorized by this permit.

ADDRESS:

DIST:

CITY OF OAKLAND

PRINT NAME _____ Signature [ ] Contractor, or [ ] Agent _____ Date

CITY OF OAKLAND
Office of Planning and Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

Permit valid for 90 days from date of issuance.

PERMIT NUMBER	SITE ADDRESS/LOCATION
X0900566	*6302 9TH AVENUE, OAKLAND, CA
APPROX. START DATE: 6/1/09 / APPROX. END DATE: 6/15/09	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number): (530) 668-2424
CONTRACTOR'S LICENSE # AND CLASS: C-57 #802334	CITY BUSINESS TAX #: 2649225

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.

3- 48 hours prior to re-paving, a compaction certificate is required (waived for approved slurry backfill).

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 # 7131553708 Company Name STATE FUND

☐ 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: for RSI DRILLING ☐ Agent for ☑ Contractor ☐ Owner — Date: 5/20/09

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: 5-21-09	

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • Fax (510) 238-2263

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Appl# X0900555 Job Site 630 29TH AV Parcel# 025 -0678-001-06

Descr permit to conduct soil borings no excavation without c42 or class A license Permit Issued 05/21/09

Work Type EXCAVATION-PRIVATE P

USA # Util Co. Job # Acctg#:
Util Fund #:

		Applcnt	Phone#	Lic#	--License Classes--
Owner	ALDERS MICHAEL & MARIA & PETER				
Contractor	RESONANTSONIC	X	(530)668-2424	802334	C57 A
Arch/Engr					
Agent					

Applic Addr 220 N EAST ST., WOODLAND CA, 95776

JOB SITE

$419.99 TOTAL FEES PAID AT ISSUANCE

$66.00 Applic	$300.00 Permit
$.00 Process	$34.77 Rec Mgmt
$.00 Gen Plan	$.00 Invstg
$.00 Other	$19.22 Tech Enh

Permit Issued By _____ Date: 5-21-09

Finaled By _____ Date: _____

ADDRESS:

DIST:

CITY OF OAKLAND

PAID
5421 5/21/09

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • Fax (510) 238-2263

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Permit No. X0900555 Parcel #: 025 -0678-001-06
Project Address: 630 29TH AV

Licensed Contractors' Declaration
I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Construction Lending Agency Declaration
I hereby affirm under penalty of perjury that there is a construction-lending agency for the performance of the work for which this permit is issued, as provided by Section 3097 of the Business and Professions Code. N/A under Lender implies No Lending Agency.

Lender_____ Address_____

Workers' Compensation Declaration

I hereby affirm under penalty of perjury one of the following declarations:

[ ] I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

[ ] I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

CARRIER:_____POLICY NO. _____

[ ] 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 workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

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Hazardous Materials Declaration

I hereby affirm that the intended occupancy [ ] WILL [ ] WILL NOT use, handle or store any hazardous, or acutely hazardous, materials. (Checking "WILL" acknowledges that Sections 25505, 25533, & 25534 of the Health & Safety Code, as well as filing instructions, were made available to you.)

I HEREBY CERTIFY THE FOLLOWING: That I have read this document; that the above information is correct; and that I have truthfully affirmed all applicable declarations contained in this document. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection. I am fully authorized by the owner and to perform the work authorized by this permit.

ADDRESS:

DIST:

CITY OF OAKLAND

PRINT NAME _____ Signature [ ] Contractor, or [ ] Agent _____ Date

CITY OF OAKLAND
Office of Planning and Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

Permit valid for 90 days from date of issuance.

PERMIT NUMBER	SITE ADDRESS/LOCATION
X0900554 *	2810 CHAPMAN ST
APPROX. START DATE: 6/1/09 / APPROX. END DATE: 6/15/08	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number): (530) 668-2424
CONTRACTOR'S LICENSE # AND CLASS: C-57 #802334	CITY BUSINESS TAX #: 2649225

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.

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☐ 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 # 7131553708 Company Name STATE FUND

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: for RSI DRILLING ☑ Agent for ☑ Contractor ☐ Owner — Date: 5/20/09

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: 5-21-09	

CITY OF OAKLAND
Office of Planning and Building

BUILDING 238-4774 · (ATH)

REFUND REQUEST

FOR ACCOUNTING USE ONLY				
Period	Batch #	Type	Item	Sub item
		10		

Name: BUREAU VERITAS NORTH AMERICA
BU PROJECT NO:
Phone No: 33104-8004578 ac

Address: 302 NORTHWEST 170 STREET

City, State, Zip: NORTH MIAMI BEACH, FL 33169

Project Address: 630 29TH AVENUE (ARROYO CT)
Permit Number: R03 137956

I hereby petition for a refund of the amount paid by me for the following reason:

- ☐ PROJECT CANCELLED
- ☐ CHANGE IN SCOPE (Decreased Fees)
- ☐ VALUATION CHANGE - old $ _____ new $ _____
- ☐ FEES INCORRECTLY ASSESSED*
- ☒ OTHER* EXTRA MONIES 94.38
- ☐ PERMIT ISSUED IN ERROR*
- ☐ PERMIT NOT REQUIRED FOR TYPE OF WORK*
- ☐ DIFFERENT TYPE OF PERMIT REQUIRED*
- ☐ DUPLICATE PERMIT ISSUED
  Duplicate Permit # _____

* Comments: _____

Proof of Payment (attached): ☐ Original Cash Register Receipt ☐ Copy of Cancelled Check (front/back) ☐ Other:

Signature: [signature]
Date: 5/21/09

DO NOT WRITE BELOW THIS LINE

REFUND DETERMINATION: ☐ APPROVED ☐ DENIED

Comments: _____

Receipt #: R03 137956	Permit/Invoice #:	Vendor #:	Date Paid: 5/21/09	Amount: $

Dist	Amount	Fund/SF	Organization	Account	Proj/Grant/ Cost Ctr/WO	Yr	Loc	Task	Dept Spec
1									
2									
3									
4									
5									
6									
7									
8									

Department Approval _____ Date _____ Office of Finance _____ Date _____

Entered by _____ Date _____ Accounts Payable _____ Date _____

ms/adm/refund (09/95)

Distribution: Original to Finance-Accounts Payable, Yellow

CITY OF OAKLAND
Community & Economic Development Agency
250 Frank H. Ogawa Pl, Oakland CA, 94612
Phone: (510)238-4774 FAX: (510)238-2263

PAYMENT RECEIPT

Application#: X0900555	Payment#: 001
APPLICATION FEE	$66.00
EXCAVATION PERMIT	$300.00
RECORDS MANAGEMENT FEE	$34.77
TECHNOLOGY ENHANCEMENT FE	$19.22
Subtotal:	$419.99

Application#: X0900556	Payment#: 001
APPLICATION FEE	$66.00
EXCAVATION PERMIT	$300.00
RECORDS MANAGEMENT FEE	$34.77
TECHNOLOGY ENHANCEMENT FE	$19.22
Subtotal:	$419.99

EXTRA MONIES RECEIVED	$94.38
Sales Tax:	$.00
****** TOTAL PAID:	$934.36
Check Payment:	$934.36

Payor: BUREAU VERITAS N AMERICA
Date: 05/21/09 Time: 11:54:56
By: SYK Register R03 Receipt# 137956

****
ORIGINAL RECEIPT REQUIRED FOR REFUND
****

APPENDIX G

BORING LOGS

LOG OF SOIL BORING

Project No.:	33104-004578.00	**BORING NO.**	
Project Name:	Former Sausage Factory		**B-11**
Location:	Oakland, California		
Logged By:	TGB		

Start Date: 6/5/2009	Start Time: 13:10	Elevation (ft, msl):	N/A
Finish Date: 6/5/2009	Finish Time: 13:55	Boring Diameter (in)	2

Driller: RSI Drilling		Drill Method:	Direct Push
Hammer Weight: N/A		Drop:	N/A

Borehole Completion Data: Backfilled with cement grout using tremie methods

Depth To ▽ (ft)	22.0	Depth To ▼ (ft)	N/A
Time:		Time:	
Date:	06/05/09	Date:	

▽ Encountered Groundwater Depth
▼ Static Groundwater Depth
☒ Sample Collected
■ Sample Analyzed

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	DEPTH (ft)	SAMPLE	GRAPHIC LOG	USCS	DESCRIPTION
				1310					CONCRETE
					1			CL	DARK BROWN SILTY CLAY (CL) medium stiff, moist, no odor
	48		6.0		3			GC/CL	LIGHT BROWN CLAYEY GRAVEL (GC) with GRAVELLY CLAY (CL) medium dense, moist, no odor
	48		4.7		7			CL	LIGHT BROWN TO GRAY SILTY SANDY CLAY (CL) medium stiff, moist, some iron staining, trace sand, biogenic debris
	48		2.9		9			CL	GRAY TO LIGHT BROWN SILTY CLAY (CL) medium stiff, moist, biogenic debris, no odor trace greenish-gray discoloration at 11 feet, no odor
	48		7.6		16				
	48		24.5		19			CL/GC	BROWN SANDY AND GRAVELLY CLAY (CL) and CLAYEY GRAVEL (GC) medium dense, moist to wet, petroleum odor

LOG OF SOIL BORING

Project No.: 33104-004578.00
Project Name: Former Sausage Factory
Location: Oakland, California
Logged By: TGB

BORING NO. B-11

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	BLOW COUNT		DEPTH (ft)	SAMPLE	GRAPHIC LOG	USCS	DESCRIPTION
							21			CL/GC	
	48		84.7				22			CL	▽ driller reports groundwater encountered at 22 feet (GW zone not discernible) MOTTLED GRAYISH GREEN TO BROWN SILTY CLAY (CL) medium stiff, moist, no odor
							24			CL	BROWN TO GRAY SILTY CLAY (CL) medium stiff, moist, no odor
	48						27			CL	BROWN SANDY CLAY (CL) medium stiff, moist, no odor, some fine gravel at 27 feet, increased sand content below 27.5 feet
	48						29			CL	LIGHT BROWN SILTY CLAY (CL) medium stiff, moist, some sand, occasional iron staining, biogenic debris below 31 feet
							32				Bottom of boring at 32 feet bgs.

LOG OF SOIL BORING

Project No.:	33104-004578.00
Project Name:	Former Sausage Factory
Location:	Oakland, California
Logged By:	TGB

BORING NO. B-12

Start Date:	6/5/2009	Start Time: 09:55	Elevation (ft, msl): N/A
Finish Date:	6/5/2009	Finish Time: 10:25	Boring Diameter (in) 2
Driller:	RSI Drilling	Drill Method:	Direct Push
Hammer Weight:	N/A	Drop:	N/A

Borehole Completion Data: Backfilled with cement grout using tremie methods

▽ Encountered Groundwater Depth
▼ Static Groundwater Depth
☒ Sample Collected
■ Sample Analyzed

Depth To ▽ (ft)	14.0	Depth To ▼ (ft)	N/A
Time:		Time:	
Date:	06/05/09	Date:	

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	DEPTH (ft)	USCS	DESCRIPTION
				0955			CONCRETE
	36				1 2 3 4	CL	BROWN TO DARK BROWN SILTY CLAY (CL) medium stiff, moist, no odor
	48		2.4 8.2	1120 1121	5 6 7 8		MOTTLED ORANGE TO LIGHT BROWN SILTY CLAY (CL) stiff, moist, no odor, black-colored biogenic debris, less sandy and mottling below 6 feet
	48		13.6	1127	9 10 11	CL	predominately greenish-gray discoloration between 10.5 and 12 feet, strong petroleum odor, with vertically striated greenish gray to dark gray seams present around sandy and fine gravel areas, less odor
	48		40.1	1125	12 13 14 15		▽ color change to mottled grayish-green to orange-brown below 14 feet
	48		8.5	1127	16 17 18 19	CL SC CL	mottled grayish-green seams become spotty and isolated below 16 feet, increased sand content below 17 feet, with less mottling, some biogenic debris, becomes wet and saturated below 14 feet GREENISH GRAY SANDY CLAY (CL) - medium stiff, saturated CLAYEY SAND with petroleum odor LIGHT BROWN SANDY CLAY (CL)

LOG OF SOIL BORING

Project No.: 33104-004578.00
Project Name: Former Sausage Factory
Location: Oakland, California
Logged By: TGB

BORING NO.

B-12

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	BLOW COUNT		DEPTH (ft)	SAMPLE	GRAPHIC LOG	USCS	DESCRIPTION
											stiff, saturated, no odor, fine grained, root and biogenic debris

LOG OF SOIL BORING

BUREAU VERITAS

Project No.:	33104-004578.00
Project Name:	Former Sausage Factory
Location:	Oakland, California
Logged By:	J. Wilson

BORING NO. B-13

Start Date:	6/4/2009	Start Time: 08:33	Elevation (ft, msl): N/A
Finish Date:	6/4/2009	Finish Time: 11:15	Boring Diameter (in) 2
Driller:	RSI Drilling	Drill Method:	Direct Push
Hammer Weight:	N/A	Drop:	N/A
Borehole Completion Data:	Neat cement grout to grade		

▽ Encountered Groundwater Depth
▼ Static Groundwater Depth
☒ Sample Collected
■ Sample Analyzed

Depth To ▽ (ft)	22.18	Depth To ▼ (ft)	20.35
Time:	14:00	Time:	17:50
Date:	06/04/09	Date:	06/04/09

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	DEPTH (ft)	USCS	DESCRIPTION
				0833		GW	GRAVEL (baserock)
					1		SILTY CLAY brown to light brown mottled, with trace gravel, medium stiff, damp, no odor, trace organics
					2		
					3		less silt, dark brown, damp to moist, no odor
			54.2	0838	4	CL	trace gravel at 3.5 to 4.5 feet
		5.0		0845	5		some coarse sand, gray
					6		increased coarse to fine sand, gray
	48		29.1	0844	7	ML	CLAYEY SILT light brown, medium stiff, damp, no odor
					8		
					9		2" SILTY GRAVEL, brown, loose, dry, no odor
					10		SILTY CLAY light brown, medium stiff, damp, slight petroleum odor, with patches of green discoloration
	48	12.0	77.3	0915	11		
					12		
					13		moderate petroleum odor
					14	CL	
	24	16.0	10.5	0955	15		
					16		
					17		small patches of green discoloration, patches of green discoloration continue
					18		
		19.0		1035	19		
	48		9.8			SP	SAND, brown, with trace clay (15%), fine grained, medium dense, damp,

LOG OF SOIL BORING

Project No.: 33104-004578.00
Project Name: Former Sausage Factory
Location: Oakland, California
Logged By: J. Wilson

BORING NO.
B-13

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	BLOW COUNT		DEPTH (ft)	SAMPLE	GRAPHIC LOG	USCS	DESCRIPTION
							21			CL	no odor SILTY CLAY tan, trace fine sand, medium stiff, damp, no odor some fine sand, brown
							22			SC	CLAYEY SAND brown, fine grained, medium dense, moist to wet, no odor, no discoloration
							23			CL	SILTY CLAY tan, trace sand, medium stiff, damp, no odor, no discoloration
	48	24.0	8.4	1110			24			SC CL	SILTY CLAYEY SAND brown, fine to medium grained, wet, no odor SILTY CLAY tan, medium stiff, moist, no odor, no discoloration
							25				Bottom of boring at 24 feet bgs.
							26				Set PVC with 5' screen at bottom. Groundwater sampled at 1800.
							27				
							28				
							29				
							30				
							31				
							32				
							33				
							34				
							35				
							36				
							37				
							38				
							39				
							40				
							41				
							42				
							43				
							44				

LOG OF SOIL BORING

BUREAU VERITAS

Project No.:	33104-004578.00
Project Name:	Former Sausage Factory
Location:	Oakland, California
Logged By:	J. Wilson

BORING NO. B-14

Start Date:	6/4/2009	Start Time: 11:45	Elevation (ft, msl): N/A
Finish Date:	6/5/2009	Finish Time: 14:45	Boring Diameter (in) 2

Driller:	RSI Drilling	Drill Method:	Direct Push
Hammer Weight:	N/A	Drop:	N/A

Borehole Completion Data: Neat cement grout to grade

▽ Encountered Groundwater Depth
▼ Static Groundwater Depth
☒ Sample Collected
■ Sample Analyzed

Depth To ▽ (ft)	27.8	Depth To ▼ (ft)	19.9
Time:	17:00	Time:	07:30
Date:	06/04/09	Date:	06/05/09

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	DEPTH (ft)	USCS	DESCRIPTION
				1145			CONCRETE
	48		0.2	1150	1	CL	SILTY CLAY black, trace gravel and brick fragments, medium stiff, damp to moist, no odor
		5.0		1155	5		becomes sandy, some gravel, brown, medium dense, damp, no odor
	48		0.2	1200	7		increased sand content, fine grained
							SILTY CLAY tan, medium dense, damp, no odor
	48	12.0	0.5	1218	12		small patches of slight green discoloration, slight petroleum odor
	48	16.0	10.4	1240	16	CL	trace gravel, small patches of slight green discoloration, slight petroleum odor continues
	48	20.0	74.6	1307	19		small patches of slight green discoloration, slight petroleum odor continues ▼

LOG OF SOIL BORING

Project No.: 33104-004578.00
Project Name: Former Sausage Factory
Location: Oakland, California
Logged By: J. Wilson

BORING NO. B-14

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	BLOW COUNT		DEPTH (ft)	SAMPLE	GRAPHIC LOG	USCS	DESCRIPTION
							21			CL	small patches of slight petroleum odor and green discoloration continues
							22				
							23			SM	CLAYEY SILTY SAND tan, fine grained, moist, small patches of slight petroleum odor and green discoloration
	48	24.0	63.5	1330			24				
							25			CL	SILTY CLAY tan, medium stiff, damp, with patches of green discoloration and slight petroleum odor
							26				
							27			SC	SILTY CLAYEY SAND brown, fine grained, medium dense to loose, with slight petroleum odor
	48	28.0	262	1442			28			CL	▽ SILTY CLAY tan, medium stiff, damp, moderate petroleum odor
							29				Bottom of boring at 28 feet bgs. Set PVC with 5' screen at 28 feet Groundwater sampled at 0745, 6-5-08.
							30				
							31				
							32				
							33				
							34				
							35				
							36				
							37				
							38				
							39				
							40				
							41				
							42				
							43				
							44				

LOG OF SOIL BORING

Project No.:	33104-004578.00
Project Name:	Former Sausage Factory
Location:	Oakland, California
Logged By:	J. Wilson

BORING NO. B-15

Start Date:	6/4/2009	Start Time: 15:10	Elevation (ft, msl): N/A
Finish Date:	6/4/2009	Finish Time: 17:25	Boring Diameter (in) 2

Driller:	RSI Drilling	Drill Method:	Direct Push
Hammer Weight:	N/A	Drop:	N/A

Borehole Completion Data: Neat cement grout to grade

▽ Encountered Groundwater Depth
▼ Static Groundwater Depth
☒ Sample Collected
■ Sample Analyzed

Depth To ▽ (ft)	19.7	Depth To ▼ (ft)	19.23
Time:	17:55	Time:	18:15
Date:	06/04/09	Date:	06/04/09

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	DEPTH (ft)	USCS	DESCRIPTION
	36		3.2	1510 1515	1 2 3 4	CL	SILTY CLAY black with mottled orange, medium stiff, trace gravel, loose, dry, no odor trace organics, damp
	48	5.0	3.6	1530 1530	5 6 7 8	SC	tan with orange mottles with trace gravel SILTY CLAYEY SAND tan-brown with orange mottling, medium dense, damp, no odor
	48	12.0	233	1608	9 10 11 12	CL	SILTY CLAY tan, medium stiff, damp, with small patches of green discoloration and petroleum odor green discoloration throughout, with black spots
	24		8.5	1630	13 14		trace gravel, small patches of green discoloration and slight petroleum odor
	48		155	1655	15 16 17 18		trace small patches of green discoloration and trace petroleum odor stronger petroleum odor
					19		▼ ▽

LOG OF SOIL BORING

Project No.: 33104-004578.00
Project Name: Former Sausage Factory
Location: Oakland, California
Logged By: J. Wilson

BORING NO.
B-15

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	BLOW COUNT		DEPTH (ft)	SAMPLE	GRAPHIC LOG	USCS	DESCRIPTION
										CL	
							21			SP	SAND gray, fine grained, loose, wet, medium petroleum odor
	48		241	1720			22			CL	SILTY CLAY tan, medium stiff, damp, no odor
							23				Bottom of boring at 22 feet bgs. Set PVC with 5' screen at 22 feet Groundwater sampled at 1820.
							24				
							25				
							26				
							27				
							28				
							29				
							30				
							31				
							32				
							33				
							34				
							35				
							36				
							37				
							38				
							39				
							40				
							41				
							42				
							43				
							44				

LOG OF SOIL BORING

Project No.:	33104-004578.00
Project Name:	Former Sausage Factory
Location:	Oakland, California
Logged By:	J. Wilson

BORING NO. B-16

Start Date:	6/5/2009	Start Time: 08:05	Elevation (ft, msl): N/A
Finish Date:	6/5/2009	Finish Time: 10:15	Boring Diameter (in) 2
Driller:	RSI Drilling	Drill Method:	Direct Push
Hammer Weight:	N/A	Drop:	N/A
Borehole Completion Data:	Neat cement grout to grade		

▽ Encountered Groundwater Depth
▼ Static Groundwater Depth
☒ Sample Collected
■ Sample Analyzed

Depth To ▽ (ft)	14.8	Depth To ▼ (ft)	14.25
Time:	10:30	Time:	10:40
Date:	06/05/09	Date:	06/05/09

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	DEPTH (ft)	USCS	DESCRIPTION
				0805	1	GM	SILTY GRAVEL black, loose, dry, no odor
	34		7.8	0812	2		SILTY CLAY black, trace mottles of orange, medium stiff, moist, no odor
					3		
					4		brown, with orange mottles, trace fine gravel
	5.0			0821	5	CL	
					6		increased sand content with trace silty clay and gravel, damp, no odor
	48		9.0	0823	7		SANDY SILTY CLAY tan, trace fine gravel, orange mottling, medium stiff (softer), moist, no odor
	24		9.1	0840	8		
					9		becomes less sandy, stiff, trace black organic deposits, no odor
					10		
					11		
					12		
	48		9.5	0900	13	CL	increased fine grained sand, trace orange mottling, trace fine gravel, damp, no odor
					14		▼ ▽
					15		
			17.6		16		less sand with small patches of greenish-black discoloration, with a chemical odor from 15.5 to 21.0 feet
	48		61.3	0927	17		
					18		
					19		

LOG OF SOIL BORING

Project No.: 33104-004578.00
Project Name: Former Sausage Factory
Location: Oakland, California
Logged By: J. Wilson

BORING NO.
B-16

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	BLOW COUNT		DEPTH (ft)	SAMPLE	GRAPHIC LOG	USCS	DESCRIPTION
										CL	
	48	22.0	23.4	1010			21			SM	SILTY SAND gray-green, fine grained, dense, wet, strong chemical odor
							22				
							23				Bottom of boring at 22 feet bgs. Set PVC with 5' screen at 22 feet Groundwater sampled at 1040.
							24				
							25				
							26				
							27				
							28				
							29				
							30				
							31				
							32				
							33				
							34				
							35				
							36				
							37				
							38				
							39				
							40				
							41				
							42				
							43				
							44				

LOG OF SOIL BORING

Project No.:	33104-004578.00
Project Name:	Former Sausage Factory
Location:	Oakland, California
Logged By:	J. Wilson

BORING NO. B-17

Start Date:	6/5/2009	Start Time: 10:25	Elevation (ft, msl): N/A
Finish Date:	6/5/2009	Finish Time: 13:40	Boring Diameter (in) 2

Driller:	RSI Drilling	Drill Method:	Direct Push
Hammer Weight:	N/A	Drop:	N/A

Borehole Completion Data: Neat cement grout to grade

▽ Encountered Groundwater Depth
▼ Static Groundwater Depth
☒ Sample Collected
■ Sample Analyzed

Depth To ▽ (ft)	14.2	Depth To ▼ (ft)	13.3
Time:	13:45	Time:	13:55
Date:	06/05/09	Date:	06/05/09

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	DEPTH (ft)	USCS	DESCRIPTION
				1025			CONCRETE
	48		0.9	1032	1 2 3 4	CL	SILTY CLAY black with orange mottling, medium stiff to stiff, trace fine gravel, damp to moist, no odor
	48	5.0	1.2	1055 1055	5 6 7 8		SILTY SANDY CLAY tan-gray with orange mottling, medium stiff, trace fine gravel, damp, no odor, trace black organic deposits less sand, mostly silty clay
	24		1.9	1113	9 10		
	48		10.4	1133	11 12 13	CL	increase in sand, tan with orange mottling ▼ less sand, with small patches of green discoloration and slight odor
	48		16.9	1210	14 15 16 17		▽ increased green discoloration and chemical odor from 15 to 16 feet ~3" sand, brown, fine grained, with trace fine gravel, dry, no odor, small patches of green discoloration and slight chemical odor some fine sand
			10.5		18 19		increased green discoloration, slight chemical odor from 18.5 to 19.0 feet

LOG OF SOIL BORING

Project No.: 33104-004578.00
Project Name: Former Sausage Factory
Location: Oakland, California
Logged By: J. Wilson

BORING NO.
B-17

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	BLOW COUNT		DEPTH (ft)	SAMPLE	GRAPHIC LOG	USCS	DESCRIPTION
										CL	some fine sand
			35.3				21			SC	CLAYEY SAND brown, fine grained, medium dense, wet, moderate petroleum odor, slight green discoloration
	48		13.5	1330			22			CL	SILTY SANDY CLAY tan, medium stiff, moist, no odor
							23				Bottom of boring at 22 feet bgs. Set PVC with 5' screen at 22 feet Groundwater sampled at 1355.
							24				
							25				
							26				
							27				
							28				
							29				
							30				
							31				
							32				
							33				
							34				
							35				
							36				
							37				
							38				
							39				
							40				
							41				
							42				
							43				
							44				

LOG OF SOIL BORING

Project No.:	33104-004578.00
Project Name:	Former Sausage Factory
Location:	Oakland, California
Logged By:	J. Wilson

BORING NO. B-18

Start Date:	6/5/2009	Start Time: 13:45	Elevation (ft, msl): N/A
Finish Date:	6/5/2009	Finish Time: 16:40	Boring Diameter (in) 2
Driller:	RSI Drilling	Drill Method:	Direct Push
Hammer Weight:	N/A	Drop:	N/A
Borehole Completion Data:	Neat cement grout to grade		

▽ Encountered Groundwater Depth
▼ Static Groundwater Depth
☒ Sample Collected
■ Sample Analyzed

Depth To ▽ (ft)	18.1	Depth To ▼ (ft)	16.7
Time:	16:38	Time:	16:52
Date:	06/05/09	Date:	06/05/09

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	DEPTH (ft)	USCS	DESCRIPTION
				1345	0		CONCRETE (4")
					1		SILTY CLAY
					2		black with orange mottling, medium stiff, moist, no odor (Bay Mud)
	36		9.1	1430	3	CL	
					4		
		5.0		1449	5		SANDY SILTY CLAY
					6		brown with orange mottling, medium stiff, damp, trace black organic deposits, no odor
	48		41.3	1445	7		
					8		less sand, brown-tan, stiff, damp, slight petroleum odor, trace black organic deposits
			316		9		
					10		
					11		minor vertical green discoloration and moderate petroleum odor from 10 to 11 feet
	48		89.2	1455	12	CL	slight petroleum odor
					13		
					14		some sand from 13 to 15 feet, medium stiff
	36		36.4	1515	15		
					16		minor vertical green discoloration, slight petroleum odor to 16.0 feet
					17		▼ slight petroleum odor, no discoloration
	36		11.7		18		some sand ▽
					19		some fine sand

LOG OF SOIL BORING

Project No.: 33104-004578.00
Project Name: Former Sausage Factory
Location: Oakland, California
Logged By: J. Wilson

BORING NO.
B-18

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	BLOW COUNT		DEPTH (ft)	SAMPLE	GRAPHIC LOG	USCS	DESCRIPTION
							21			SP	SAND brown, fine to medium grained, loose, wet to saturated, no odor
	48		15.2	1630			22			CL	SILTY SANDY CLAY tan, medium stiff, damp, no odor
							23				Bottom of boring at 22 feet bgs. Set PVC with 5' screen at 22 feet Groundwater sampled at 1700.
							24				
							25				
							26				
							27				
							28				
							29				
							30				
							31				
							32				
							33				
							34				
							35				
							36				
							37				
							38				
							39				
							40				
							41				
							42				
							43				
							44				

LOG OF SOIL BORING

Project No.:	33104-004578.00
Project Name:	Former Sausage Factory
Location:	Oakland, California
Logged By:	TGB

BORING NO. B-19

Start Date:	6/5/2009	Start Time: 10:50	Elevation (ft, msl): N/A
Finish Date:	6/5/2009	Finish Time: 11:10	Boring Diameter (in) 2
Driller:	RSI Drilling	Drill Method:	Direct Push
Hammer Weight:	N/A	Drop:	N/A
Borehole Completion Data:	Backfilled with cement grout using tremie methods		

▽ Encountered Groundwater Depth
▼ Static Groundwater Depth
☒ Sample Collected
■ Sample Analyzed

Depth To ▽ (ft)	15.5	Depth To ▼ (ft)	N/A
Time:	11:34	Time:	
Date:	06/05/09	Date:	

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	DEPTH (ft)	USCS	DESCRIPTION
				1050	0	CL	DARK BROWN SILTY CLAY (CL) soft to medium stiff, moist, no odor
	36		26	1130	4	CL	LIGHT GRAY-BROWN SILTY CLAY (CL) medium stiff, moist, no odor, some sand, trace fine gravel, iron-stained scattered seams biogenic and root debris
	48		1.7	1131	8		
	48		1.4	1132	9	CL	MOTTLED ORANGE BROWN TO LIGHT GRAY GRAVELLY CLAY AND SANDY CLAY (CL) medium stiff, moist, iron-stained, fine to coarse gravel, intermittent seams of clayey gravel, no odor
	48		1.4	1134	15 ▽	CL	LIGHT BROWN SANDY CLAY (CL) soft to medium stiff, saturated, no odor
	48		0.8	1135	18	SC	LIGHT BROWN CLAYEY SAND (SC) medium dense, saturated, no odor, fine grained
					19	CL	LIGHT BROWN SILTY CLAY (CL) medium stiff, saturated, no odor, trace of very fine sand

LOG OF SOIL BORING

BUREAU VERITAS

Project No.:	33104-004578.00
Project Name:	Former Sausage Factory
Location:	Oakland, California
Logged By:	TGB

BORING NO. B-20

Start Date: 6/4/2009	Start Time: 16:50	Elevation (ft, msl): N/A
Finish Date: 6/4/2009	Finish Time: :	Boring Diameter (in) 2
Driller: RSI Drilling		Drill Method: Direct Push
Hammer Weight: N/A		Drop: N/A

Borehole Completion Data: Backfilled with cement grout using tremie methods

▽ Encountered Groundwater Depth
▼ Static Groundwater Depth
☒ Sample Collected
▮ Sample Analyzed

Depth To ▽ (ft)	19.0	Depth To ▼ (ft)	N/A
Time:	17:25	Time:	
Date:	06/04/09	Date:	

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	DEPTH (ft)	USCS	DESCRIPTION
				1650			CONCRETE
					1	GM	GRAY SILTY GRAVEL (GM) medium dense, to loose, dry, (baserock)
	24				2	CL	BLACK TO DARK BROWN SILTY CLAY (CL) soft, moist, no odor
					3		
					4		
					5		
	48				6		GRAYISH GREEN SILTY CLAY (CL) medium stiff, moist, strong petroleum odor, some fine to coarse sand between 6 and 7 feet
					7		
					8		
	48				9	CL	
					10		
					11		
					12		
	48				13	SC/GC	MOTTLED ORANGE BROWN TO GRAYISH GREEN CLAYEY SAND (SC) and GRAVEL (GC) medium dense, moist, petroleum odor, decreases with depth
					14		wet at 14 feet, installed 1" PVC to 16 feet, lifted 4' casing, no groundwater encountered, driller advances boring to 20 feet, reports abundant groundwater, color change to mottled orange-brown at 14 feet
					15		
					16	SP	BROWN SAND (SP) - loose, saturated, no odor
					17	SC	MOTTLED GRAY-GREEN TO LIGHT BROWN CLAYEY SAND (SC)
					18		
	48				19	CL	LIGHT BROWN TO TAN SILTY CLAY (CL) soft to medium stiff, saturated, some biogenic debris ▽

LOG OF SOIL BORING

Project No.:	33104-004578.00
Project Name:	Former Sausage Factory
Location:	Oakland, California
Logged By:	TGB

BORING NO. B-21

Start Date:	6/4/2009	Start Time: 13:25	Elevation (ft, msl): N/A
Finish Date:	6/4/2009	Finish Time: 14:20	Boring Diameter (in) 2
Driller:	RSI Drilling	Drill Method:	Direct Push
Hammer Weight:	N/A	Drop:	N/A

Borehole Completion Data: Backfilled with cement grout using tremie methods

Depth To ▽ (ft)	8.9	Depth To ▼ (ft)	N/A
Time:	16:10	Time:	
Date:	06/04/09	Date:	

▽ Encountered Groundwater Depth
▼ Static Groundwater Depth
☒ Sample Collected
▮ Sample Analyzed

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	DEPTH (ft)	USCS	DESCRIPTION
				1325			CONCRETE
					1	CL	BLACK TO DARK GRAY SILTY CLAY (CL) medium stiff, moist, no odor
	42				3	CL	MOTTLED ORANGE TO BROWN GRAVELLY SANDY CLAY (CL) medium stiff, moist, no odor
					5	ML	YELLOWISH BROWN CLAYEY SILT (ML) medium stiff to stiff, moist, no odor
	48				7	CL	BROWN SILTY CLAY (CL) stiff, moist, with spotty localized green discolored zones between 10 and 14 feet, no odor
	48				9		▽
	48				15	CL	BROWN SANDY CLAY (CL) medium stiff, moist
					16	SM	thin seam of wet SILTY SAND from 15.8 to 16.0 feet
					17	CL	GREENISH GRAY SANDY CLAY (CL) medium stiff, moist, petroleum odor, fine grained
	48				19	CL	MOTTLED GREENISH-GRAY TO BROWN SILTY CLAY (CL) medium stiff, with soft saturated zones, no odor, with black colored biogenic debris and root debris, vertically oriented

LOG OF SOIL BORING

Project No.: 33104-004578.00
Project Name: Former Sausage Factory
Location: Oakland, California
Logged By: TGB

BORING NO. B-21

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	BLOW COUNT		DEPTH (ft)	SAMPLE	GRAPHIC LOG	USCS	DESCRIPTION
										CL	
							21			ML	GREENISH GRAY TO BROWN CLAYEY SILT (ML) medium stiff, moist, no odor
							22				
							23			CL/GC	ORANGE-BROWN TO GRAY-GREEN GRAVELLY CLAY (CL) with CLAYEY GRAVEL (GC) stiff, moist, some coarse sand and fine gravel
	48						24				
							25				Bottom of boring at 24 feet bgs.
							26				
							27				
							28				
							29				
							30				
							31				
							32				
							33				
							34				
							35				
							36				
							37				
							38				
							39				
							40				
							41				
							42				
							43				
							44				

LOG OF SOIL BORING

Project No.:	33104-004578.00
Project Name:	Former Sausage Factory
Location:	Oakland, California
Logged By:	TGB

BORING NO. **SV-1**

Start Date: 6/2/2009	Start Time: 12:30	Elevation (ft, msl): N/A
Finish Date: 6/2/2009	Finish Time: 13:30	Boring Diameter (in) 2

Driller: RSI Drilling	Drill Method: Direct Push
Hammer Weight: N/A	Drop: N/A

Borehole Completion Data: Neat cement grout with concrete patch at grade

Depth To ▽ (ft)	N/A	Depth To ▼ (ft)	N/A
Time:		Time:	
Date:		Date:	

▽ Encountered Groundwater Depth
▼ Static Groundwater Depth
☒ Sample Collected
■ Sample Analyzed

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	DEPTH (ft)	USCS	DESCRIPTION
				1230			CONCRETE
☒	36				1	SM	CLAYEY SILTY SAND (SM) - loose, dry (Fill)
					2	CL	BLACK TO DARK BROWN SILTY CLAY (CL) soft to medium stiff, moist (Bay Mud)
					3		
					4		Bottom of boring at 4 feet bgs.
					5		Temporary soil vapor well installed.
					6		No groundwater encountered during drilling.
					7		
					8		
					9		
					10		
					11		
					12		
					13		
					14		
					15		
					16		
					17		
					18		
					19		

LOG OF SOIL BORING

Project No.:	33104-004578.00	**BORING NO.**	
Project Name:	Former Sausage Factory		**SV-2**
Location:	Oakland, California		
Logged By:	TGB		

Start Date:	6/2/2009	Start Time:	10:45	Elevation (ft, msl):	N/A
Finish Date:	6/2/2009	Finish Time:	11:30	Boring Diameter (in)	2

Driller:	RSI Drilling	Drill Method:	Direct Push
Hammer Weight:	N/A	Drop:	N/A

Borehole Completion Data: Neat cement grout with concrete patch at grade

Depth To ▽ (ft)	N/A	Depth To ▼ (ft)	N/A
Time:		Time:	
Date:		Date:	

▽ Encountered Groundwater Depth
▼ Static Groundwater Depth
☒ Sample Collected
■ Sample Analyzed

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	DEPTH (ft)	USCS	DESCRIPTION
				1045			CONCRETE
☒	30				1	SM	GRAY SILTY SAND (SM) loose, moist, no odor (Fill)
					4		Bottom of boring at 3.5 feet bgs. - Drilling refusal due to concrete. Temporary soil vapor well installed. No groundwater encountered during drilling.

LOG OF SOIL BORING

Project No.:	33104-004578.00
Project Name:	Former Sausage Factory
Location:	Oakland, California
Logged By:	TGB

BORING NO. **SV-3**

Start Date: 6/2/2009	Start Time: 10:10	Elevation (ft, msl): N/A
Finish Date: 6/2/2009	Finish Time: 10:50	Boring Diameter (in) 2

Driller: RSI Drilling	Drill Method: Direct Push
Hammer Weight: N/A	Drop: N/A

Borehole Completion Data: Neat cement grout with concrete patch at grade

Depth To ▽ (ft)	N/A	Depth To ▼ (ft)	N/A
Time:		Time:	
Date:		Date:	

▽ Encountered Groundwater Depth
▼ Static Groundwater Depth
☒ Sample Collected
■ Sample Analyzed

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	DEPTH (ft)	USCS	DESCRIPTION
				1010			CONCRETE (10")
☒	12				1	SM	GRAY SILTY SAND (SM) loose, moist, becomes mottled orange to brown at 3.5' wet to saturated at 4 feet. concrete rock fragments at 4 feet
					4		Bottom of boring at 4 feet bgs. - Drilling refusal. Advised drillers to attempt advancing boring to 5 feet. Drilling refusal encountered, possible concrete surface at 4 feet. Temporary soil vapor well installed. No groundwater encountered during drilling.

LOG OF SOIL BORING

Project No.:	33104-004578.00
Project Name:	Former Sausage Factory
Location:	Oakland, California
Logged By:	J. Wilson

BORING NO. **SVGW-1**

Start Date:	6/8/2009	Start Time: 10:25	Elevation (ft, msl): N/A
Finish Date:	6/10/2009	Finish Time: 10:00	Boring Diameter (in) 2
Driller:	RSI Drilling	Drill Method:	Direct Push
Hammer Weight:	N/A	Drop:	N/A
Borehole Completion Data:	Neat cement grout with concrete patch at grade		

Depth To ▽ (ft)	23.0	Depth To ▼ (ft)	9.75
Time:	11:35	Time:	09:50
Date:	06/09/09	Date:	06/10/09

▽ Encountered Groundwater Depth
▼ Static Groundwater Depth
☒ Sample Collected
■ Sample Analyzed

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	DEPTH (ft)	USCS	DESCRIPTION
				1025			CONCRETE
	24		0.6	1030	1	CL	SILTY CLAY black with orange mottling, trace fine gravel, damp to moist, no odor
	48		1.1	1035	5	CL	SANDY SILTY CLAY brown-tan, with fine gravel, medium stiff, damp to moist, no odor
	48		45.9		8	CL	SILTY CLAY gray with green discoloration, medium stiff, damp to moist, moderate petroleum odor
	48		83.9	1040	10 ▼		tan with trace localized patches of green discoloration, moderate petroleum odor
			466		12		increased sand content with fine gravel, increased green discoloration at 13' bgs.
			75.4	1048	15		trace small localized black discoloration with slight petroleum odor
					16		no odor
					17		increased sand content, soft, moist to wet, no odor, trace localized black degraded organics
	48		79.3	1110	19		trace localized green patches of discoloration with slight petroleum odor

LOG OF SOIL BORING

Project No.: 33104-004578.00
Project Name: Former Sausage Factory
Location: Oakland, California
Logged By: J. Wilson

BORING NO.
SVGW-1

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	BLOW COUNT		DEPTH (ft)	SAMPLE	GRAPHIC LOG	USCS	DESCRIPTION
			1.7				21				medium stiff, damp, localized patches of green discoloration and slight petroleum odor
	24		4.1	1130			22			CL	
							23				▽ soft, wet, no odor
										SP	SAND, brown, fine to coarse grained, wet, no odor
							24				SILTY CLAY
							25				gray, stiff, trace isolated green discoloration with no odor
	48		1.8	1140			26			CL	
							27				soft to ~27.5' bgs.
	24		1.3	1148			28				stiff
							29				Bottom of boring at 28 feet bgs.
							30				PVC set to 28' bgs with 5' screen at bottom. Groundwater sampled at 1000 on 6/10/09.
							31				
							32				
							33				
							34				
							35				
							36				
							37				
							38				
							39				
							40				
							41				
							42				
							43				
							44				

LOG OF SOIL BORING

Project No.:	33104-004578.00	**BORING NO.**	
Project Name:	Former Sausage Factory		**SVGW-2**
Location:	Oakland, California		
Logged By:	J. Wilson		

Start Date: 6/8/2009	Start Time: 12:52	Elevation (ft, msl):	N/A
Finish Date: 6/8/2009	Finish Time: 14:20	Boring Diameter (in)	2
Driller: RSI Drilling		Drill Method:	Direct Push
Hammer Weight: N/A		Drop:	N/A

Borehole Completion Data: Neat cement grout with concrete patch at grade

Depth To ▽ (ft)	25.71	Depth To ▼ (ft)	25.15
Time:	15:15	Time:	15:30
Date:	06/08/09	Date:	06/08/09

▽ Encountered Groundwater Depth
▼ Static Groundwater Depth
☒ Sample Collected
■ Sample Analyzed

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	DEPTH (ft)	USCS	DESCRIPTION
				1252			CONCRETE
	16		1.3	1255	1–6	CL	SILTY CLAY black with orange mottling, medium stiff, damp to moist, no odor
	24		2.0	1300	6–8	CL	SANDY SILTY CLAY tan, with gravel, medium stiff to soft, damp to moist, no odor
	48		32.8 13.3	1305	8–12	CL	less sand, gray with green discoloration throughout and trace black patches, medium stiff, moderate petroleum odor tan with isolated patches of green discoloration, slight petroleum odor
	48		93.2 60.4	1310	12–16	CL	increase in sand content with trace fine gravel, medium stiff, moist to wet, moderate petroleum odor tan, trace isolated patches of green discoloration, medium stiff, damp, slight petroleum odor no discoloration, no odor
	48		19.5	1317	16–19	CL	increase in sand content, damp to moist, no odor less sand with trace isolated patches of green discoloration, slight petroleum odor

LOG OF SOIL BORING

Project No.: 33104-004578.00
Project Name: Former Sausage Factory
Location: Oakland, California
Logged By: J. Wilson

BORING NO.
SVGW-2

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	BLOW COUNT		DEPTH (ft)	SAMPLE	GRAPHIC LOG	USCS	DESCRIPTION
							21				light tan
							22			CL	trace fine gravel, trace deposits of black organics soft, wet, no odor
							23			SP	SAND, brown, fine to medium grained, wet, no odor
			22	1325			24				SILTY CLAY gray, medium stiff to stiff, trace isolated green discoloration, no odor
							25				▼
							26			CL	▽ soft to 27.5', no odor
	48		1.8	1333			27				
							28				
							29				Bottom of boring at 28 feet bgs.
							30				PVC set to 28' bgs with 5' screen at bottom. Groundwater sampled at 1535.
							31				
							32				
							33				
							34				
							35				
							36				
							37				
							38				
							39				
							40				
							41				
							42				
							43				
							44				

LOG OF SOIL BORING

Project No.:	33104-004578.00
Project Name:	Former Sausage Factory
Location:	Oakland, California
Logged By:	TGB

BORING NO. **SVGW-3**

Start Date:	6/2/2009	Start Time: 16:00	Elevation (ft, msl): N/A
Finish Date:	6/8/2009	Finish Time: 09:50	Boring Diameter (in) 2

Driller:	RSI Drilling	Drill Method:	Direct Push
Hammer Weight:	N/A	Drop:	N/A

Borehole Completion Data: Neat cement grout with concrete patch at grade

▽ Encountered Groundwater Depth
▼ Static Groundwater Depth
☒ Sample Collected
■ Sample Analyzed

Depth To ▽ (ft)	12.45	Depth To ▼ (ft)	12.22
Time:	09:30	Time:	09:45
Date:	06/08/09	Date:	06/08/09

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	DEPTH (ft)	USCS	DESCRIPTION
				1600			CONCRETE
					1	GM	GRAY SILTY GRAVEL (GM), medium dense, dry, no odor (baserock)
	36		0.3	1700	2–4	CL	DARK BROWN TO BLACK SILTY CLAY (CL) medium stiff, moist, no odor
	48	5.0	0.1	1704	5–8	GM	MOTTLED ORANGE BROWN CLAYEY SILTY GRAVEL (GM) medium dense, moist, no odor becomes less gravelly below 6 feet
	48		0.0	1707	9–11	CL	ORANGE BROWN TO GRAY SILTY CLAY (CL) stiff, moist to wet, no odor, some fine to coarse gravel at 10 feet, becomes more silty below 10 feet
	48		0.0	1710	12–16	CL	▼▽ becomes gray colored, some orange mottling, trace fine sand, at 12 feet no groundwater encountered at 16 feet during drilling 17:10/6-2/09
					17		Bottom of boring at 16 feet bgs. PVC set to 16' bgs with 5' screen at bottom. Groundwater sampled at 0950, 6/8/09.

LOG OF SOIL BORING

Project No.:	33104-004578.00
Project Name:	Former Sausage Factory
Location:	Oakland, California
Logged By:	TGB

BORING NO. **SVGW-4**

Start Date:	6/5/2009	Start Time: 15:00	Elevation (ft, msl): N/A
Finish Date:	6/8/2009	Finish Time: 10:20	Boring Diameter (in) 2
Driller:	RSI Drilling	Drill Method:	Direct Push
Hammer Weight:	N/A	Drop:	N/A

Borehole Completion Data: Backfilled with cement grout using tremie methods

▽ Encountered Groundwater Depth
▼ Static Groundwater Depth
☒ Sample Collected
■ Sample Analyzed

Depth To ▽ (ft)	15.05	Depth To ▼ (ft)	14.5
Time:	09:40	Time:	10:20
Date:	06/08/09	Date:	06/08/09

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	DEPTH (ft)	USCS	DESCRIPTION
				1500			CONCRETE
	12		1.5		1 2 3	CL	BLACK TO DARK BROWN SILTY CLAY (CL) medium stiff, moist, no odor
	42	5.0	1.7	1520	4 5 6 7	GC	DARK BROWN TO BROWN CLAYEY GRAVEL (GC) medium dense, moist, no odor, with occasional seams of gravelly and silty clay
	48	9.0	53.2	1530	8 9 10 11 12	GM	MOTTLED GRAYISH GREEN TO LIGHT BROWN CLAYEY SILTY GRAVEL (GM) medium dense, moist, no odor
	48		93.2		13 14 ▼ ▽ 15 16	CL	MOTTLED DARK GRAYISH GREEN TO ORANGE BROWN SILTY CLAY (CL) medium stiff, moist, vertical mottled seams, with slight odor color change to light brown, no mottling below 15 feet, no odor
	48		47.6		17 18 19	CL	biogenic debris LIGHT GRAY SANDY CLAY (CL) medium stiff, moist, no odor, abundant biogenic debris and staining

LOG OF SOIL BORING

Project No.: 33104-004578.00
Project Name: Former Sausage Factory
Location: Oakland, California
Logged By: TGB

BORING NO.
SVGW-4

SAMPLE INTERVAL	SAMPLE RECOVERY (in)	SAMPLE ID	PID READING (ppm)	TIME	BLOW COUNT		DEPTH (ft)	SAMPLE	GRAPHIC LOG	USCS	DESCRIPTION
							21			CL	
	48						22				LIGHT GRAY TO BROWN SILTY CLAY (CL) medium stiff, moist, no odor
							23				driller reports borehole dry, advance to 28 feet
							24				
	48						25			CL	color change to light grayish green
							26				
							27				slight petroleum odor at 27.5 feet
							28				
							29				Bottom of boring at 28 feet bgs.
							30				Groundwater encountered at 15.05 feet on 6/8/09.
							31				
							32				
							33				
							34				
							35				
							36				
							37				
							38				
							39				
							40				
							41				
							42				
							43				
							44				

APPENDIX H

GROUNDWATER MONITORING AND SAMPLING LOGS

BUREAU VERITAS

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Former Lemoine Sausage Factory	Well ID Number:	MW-1
Project No.:	33104-004578.00	Sample ID Number:	MW-1
Project Location:	630 29th Avenue, Oakland, CA	Date Gauged:	6-11-09
Field Technician:	Jeremy Wilson	Date Purged:	1
Weather Conditions:	Mostly Clear 70's	Date Sampled:	1
Top of Casing Elevation (ft, msl):	16.69	Casing Diameter (inches):	3/4 "
Depth to Water Elevation (ft, btoc):	5.57	Wellhead Condition:	OK
Groundwater Elevation (ft, msl):	11.12	Presence of Wellhead Gases:	No
Depth to Well Bottom (ft, btoc):	7.69	Vapor Reading (ppm):	~~NA~~ —
Water Column Height (ft):	3.43	Presence of SPH:	~~NO~~
Calculated Purge Volume (gal):	0.079	Thickness of SPH (ft):	—
Actual Purge Volume (gal):		Comments:	
Gallons Per Foot: 1"=0.04, 2"=0.17, 3"=0.37, 4"=0.66, 6"=1.5, other= r2 x 0.163	3/4" = 0.023		

PURGING MEASUREMENTS

Time	Volume Removed (gal)	Specific Conductivity	Temp (°C)	Dissolved Oxygen (mg/L / %)	pH (units)	Turbidity (NTUs) or TDS g/L	ORP	Odor

Water Level Indicator Model & No.:	WLI - Inhorse	Purge Method:	NA
pH/Cond/Temp Meter Model:	U-22	Purge Equipment Used:	NA
Turbidity Meter Model:	—	Purge Rate (gpm):	NA
Sample Collection Time:	1235	Chemical Laboratory:	Curtis and Tompkins
Sample Collection Method:	peristaltic Pump	Chemical Analysis:	TPH-g/BTEX/VOCs
Sample Containers Used:	Voas		

Other Field Observations: No purging due to limited well volume + slow recharge

BUREAU VERITAS

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Former Lemoine Sausage Factory	Well ID Number:	MW-2
Project No.:	33104-004578.00	Sample ID Number:	MW-2
Project Location:	630 29th Avenue, Oakland, CA	Date Gauged:	6-11-09
Field Technician:	Jeremy Wilson	Date Purged:	1
Weather Conditions:	mostly clear, 70's	Date Sampled:	1
Top of Casing Elevation (ft, msl):	20.79	Casing Diameter (inches):	3/4"
Depth to Water Elevation (ft, btoc):	10.54	Wellhead Condition:	OK
Groundwater Elevation (ft, msl):	10.25	Presence of Wellhead Gases:	NO
Depth to Well Bottom (ft, btoc):	0.79	Vapor Reading (ppm):	—
Water Column Height (ft):	9.46	Presence of SPH:	NO
Calculated Purge Volume (gal):	0.77	Thickness of SPH (ft):	—
Actual Purge Volume (gal):		Comments:	

Gallons Per Foot: 1"=0.04, 2"=0.17, 3"=0.37, 4"=0.66, 6"=1.5, other= r2 x 0.163

PURGING MEASUREMENTS

Time	Volume Removed (gal)	Specific Conductivity	Temp (°C)	Dissolved Oxygen (mg/L / %)	pH (units)	Turbidity (NTUs) or TDS g/L	ORP	Odor

Water Level Indicator Model & No.:	WLI-In-house	Purge Method:	NA
pH/Cond/Temp Meter Model:	U-22	Purge Equipment Used:	NA
Turbidity Meter Model:	1	Purge Rate (gpm):	NA
Sample Collection Time:	1220	Chemical Laboratory:	Curtis and Tompkins
Sample Collection Method:	Peristaltic Pump	Chemical Analysis:	TPH-g/BTEX/VOCs
Sample Containers Used:	Voas		

Other Field Observations: No purging due to limited well volume + slow recharge
moderate petroleum odor

BUREAU VERITAS

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Former Lemoine Sausage Factory	Well ID Number:	MW-6
Project No.:	33104-004578.00	Sample ID Number:	MW-6
Project Location:	630 29th Avenue, Oakland, CA	Date Gauged:	6-11-09
Field Technician:	Jeremy Wilson	Date Purged:	1
Weather Conditions:	Mostly clear, 70's	Date Sampled:	1
Top of Casing Elevation (ft, msl):	16.60	Casing Diameter (inches):	2"
Depth to Water Elevation (ft, btoc):	6.06	Wellhead Condition:	OK
Groundwater Elevation (ft, msl):	10.54	Presence of Wellhead Gases:	NO
Depth to Well Bottom (ft, btoc):	-3.40	Vapor Reading (ppm):	—
Water Column Height (ft):	~~7.46~~ 13.94	Presence of SPH:	NO
Calculated Purge Volume (gal):	~~1.21~~ 2.37	Thickness of SPH (ft):	—
Actual Purge Volume (gal):	10	Comments:	

Gallons Per Foot: 1"=0.04, 2"=0.17, 3"=0.37, 4"=0.66, 6"=1.5, other= r2 x 0.163

PURGING MEASUREMENTS

Time	Volume Removed (gal)	Specific Conductivity (uS/cm)	Temp (°C)	Dissolved Oxygen (mg/L / %)	pH (units)	Turbidity (NTUs) or TDS g/L (Visual)	ORP	Odor
1250	2.5	1134	20.76	2.19	7.34	clear	-30.3	NO
1255	2.5	1259	20.11	1.71	7.22	clear	-9.4	NO
1301	2.5	1299	19.86	2.26	7.20	slightly cloudy	14.4	NO
1306	2.5	1288	19.85	2.35	7.21	slightly cloudy	39.0	NO

Water Level Indicator Model & No.:	WLI- Inhouse	Purge Method:	Disposable Bailer
pH/Cond/Temp Meter Model:	U-22	Purge Equipment Used:	1
Turbidity Meter Model:	1	Purge Rate (gpm):	
Sample Collection Time:	1315	Chemical Laboratory:	Curtis and Tompkins
Sample Collection Method:	Disposable Bailer	Chemical Analysis:	TPH-g/BTEX/VOCs
Sample Containers Used:	Voas		
Other Field Observations:	No odor		

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Former Lemoine Sausage Factory	Well ID Number:	MW-7
Project No.:	33104-004578.00	Sample ID Number:	MW-7
Project Location:	630 29th Avenue, Oakland, CA	Date Gauged:	6-11-05
Field Technician:	Jeremy Wilson	Date Purged:	1
Weather Conditions:	mostly clear, 20's, breezy	Date Sampled:	1
Top of Casing Elevation (ft, msl):	15.47	Casing Diameter (inches):	2"
Depth to Water Elevation (ft, btoc):	6.14	Wellhead Condition:	OK
Groundwater Elevation (ft, msl):	9.33	Presence of Wellhead Gases:	NO
Depth to Well Bottom (ft, btoc):	-4.53	Vapor Reading (ppm):	NT
Water Column Height (ft):	13.86	Presence of SPH:	NO
Calculated Purge Volume (gal):	2.26	Thickness of SPH (ft):	—
Actual Purge Volume (gal):	10	Comments:	

Gallons Per Foot: 1"=0.04, 2"=0.17, 3"=0.37, 4"=0.66, 6"=1.5, other= r2 x 0.163

PURGING MEASUREMENTS

Time	Volume Removed (gal)	Specific Conductivity	Temp (°C)	Dissolved Oxygen (mg/L / %)	pH (units)	Turbidity (NTUs) or TDS g/L	ORP	Odor
1430	2.50	1186	19.74	2.43	7.27	Cloudy	131.5	NO
1435	2.50	1162	19.24	1.93	7.28	Cloudy & yellowish	124.1	NO
1440	2.50	1155	18.84	2.05	7.26	Cloudy w/ fine sediments	120.5	NO
1445	2.50	1151	18.83	1.98	7.26	Cloudy w/ fine sediments	121.3	NO

Water Level Indicator Model & No.:	WLI - Inhouse	Purge Method:	Disposable Bailer
pH/Cond/Temp Meter Model:	U-22	Purge Equipment Used:	1
Turbidity Meter Model:	1	Purge Rate (gpm):	
Sample Collection Time:	1455	Chemical Laboratory:	Curtis and Tompkins
Sample Collection Method:	Disposable Bailer	Chemical Analysis:	TPH-g/BTEX/VOCs
Sample Containers Used:	Voas		
Other Field Observations:	no odor		

BUREAU VERITAS

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Former Lemoine Sausage Factory	Well ID Number:	MW-8
Project No.:	33104-004578.00	Sample ID Number:	MW-8
Project Location:	630 29th Avenue, Oakland, CA	Date Gauged:	6-11-09
Field Technician:	Jeremy Wilson	Date Purged:	1
Weather Conditions:	Mostly Cloudy 60's	Date Sampled:	1
Top of Casing Elevation (ft, msl):	17.58	Casing Diameter (inches):	2"
Depth to Water Elevation (ft, btoc):	7.57	Wellhead Condition:	OK
Groundwater Elevation (ft, msl):	10.01	Presence of Wellhead Gases:	NO
Depth to Well Bottom (ft, btoc):	-2.42	Vapor Reading (ppm):	—
Water Column Height (ft):	12.43	Presence of SPH:	NO
Calculated Purge Volume (gal):	2.11	Thickness of SPH (ft):	—
Actual Purge Volume (gal):	7.25	Comments:	

Gallons Per Foot: 1"=0.04, 2"=0.17, 3"=0.37, 4"=0.66, 6"=1.5, other= r2 x 0.163

PURGING MEASUREMENTS

Time	Volume Removed (gal)	µS/cm Specific Conductivity	Temp (°C)	Dissolved Oxygen (mg/L / %)	pH (units)	Turbidity (NTUs) or TDS g/L	ORP	Odor
1102	0.5	1392	15.86	2.71	7.48	clear	-50.7	Yes
1106	2.25	1377	15.97	1.98	7.44	clear	-48.3	Yes
1111	2.25	1387	16.07	1.85	7.18	clear	-39.6	Yes
1120	2.25	14.01	16.19	1.94	7.14	clear w/ some grey silt	-46.2	Yes

Water Level Indicator Model & No.:	WLI- Inhouse	Purge Method:	Disposable Bailer
pH/Cond/Temp Meter Model:	U-22	Purge Equipment Used:	1
Turbidity Meter Model:	1	Purge Rate (gpm):	1
Sample Collection Time:	1150	Chemical Laboratory:	Curtis and Tompkins
Sample Collection Method:	Disposable Bailer	Chemical Analysis:	TPH-g/BTEX/VOCs
Sample Containers Used:	Voas		

Other Field Observations: Moderate petroleum odor, well purged dry at end of 3rd purge event 1150 DTW 16.21'

BUREAU VERITAS

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Former Lemoine Sausage Factory	Well ID Number:	MW-9
Project No.:	33104-004578.00	Sample ID Number:	MW-9
Project Location:	630 29th Avenue, Oakland, CA	Date Gauged:	6-11-09
Field Technician:	Jeremy Wilson	Date Purged:	1
Weather Conditions:	Mostly Clear 70's	Date Sampled:	1
Top of Casing Elevation (ft, msl):	17.61	Casing Diameter (inches):	2"
Depth to Water Elevation (ft, btoc):	6.53	Wellhead Condition:	OK
Groundwater Elevation (ft, msl):	11.08	Presence of Wellhead Gases:	NO
Depth to Well Bottom (ft, btoc):	2.61	Vapor Reading (ppm):	—
Water Column Height (ft):	8.47	Presence of SPH:	NO
Calculated Purge Volume (gal):	1.44	Thickness of SPH (ft):	—
Actual Purge Volume (gal):	4.25	Comments:	

Gallons Per Foot: 1"=0.04, 2"=0.17, 3"=0.37, 4"=0.66, 6"=1.5, other= r2 x 0.163

PURGING MEASUREMENTS

Visual

Time	Volume Removed (gal)	Specific Conductivity (uS/cm)	Temp (°C)	Dissolved Oxygen (mg/L / %)	pH (units)	Turbidity (NTUs) or TDS g/L	ORP	Odor
10:53	0.5	78.5	16.89	2.35	7.30	clear	-41.8	Yes
10:57	1.5	81.51	16.86	[illegible]	6.92	clear	-39.6	Yes
11:06	1.5	111.23	16.90	3.32	6.67	Cloudy	-30.2	Yes
1115	0.75	112.38	16.91	2.70	6.57	Cloudy	-20.3	Yes

Water Level Indicator Model & No.:	WLI - Enhance	Purge Method:	Disposable Bailer
pH/Cond/Temp Meter Model:	U-22	Purge Equipment Used:	1
Turbidity Meter Model:	1	Purge Rate (gpm):	
Sample Collection Time:	1140	Chemical Laboratory:	Curtis and Tompkins
Sample Collection Method:	Disposable Bailer	Chemical Analysis:	TPH-g/BTEX/VOCs
Sample Containers Used:	Voas		

Other Field Observations: Well Purged dry drawdown 3rd Purge event moderate Petroleum odor 1135 DTW 11.95 sampled

Mod.

BUREAU VERITAS

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Former Lemoine Sausage Factory	Well ID Number:	MW-10
Project No.:	33104-004578.00	Sample ID Number:	MW-10
Project Location:	630 29th Avenue, Oakland, CA	Date Gauged:	6-11-09
Field Technician:	Jeremy Wilson	Date Purged:	1
Weather Conditions:	mostly Clear 70s	Date Sampled:	1
Top of Casing Elevation (ft, msl):	16.92	Casing Diameter (inches):	2"
Depth to Water Elevation (ft, btoc):	5.61	Wellhead Condition:	OK
Groundwater Elevation (ft, msl):	11.31	Presence of Wellhead Gases:	NO
Depth to Well Bottom (ft, btoc):	7.92	Vapor Reading (ppm):	—
Water Column Height (ft):	3.39	Presence of SPH:	NO
Calculated Purge Volume (gal):	0.58	Thickness of SPH (ft):	—
Actual Purge Volume (gal):	2.25	Comments:	

Gallons Per Foot: 1"=0.04, 2"=0.17, 3"=0.37, 4"=0.66, 6"=1.5, other= r2 x 0.163

PURGING MEASUREMENTS

Time	Volume Removed (gal)	Specific Conductivity	Temp (°C)	Dissolved Oxygen (mg/L / %)	pH (units)	Turbidity (NTUs) or TDS g/L	ORP	Odor
1250	0.75	786	22.14	1.88	795	~~[illegible]~~	-91.5	~~NO~~
1255	0.75	793	22.58	2.42	792	Clear Yellow	-84.2	~~NO~~
1300	0.75	774	22.76	2.44	752	Clear	-94.5	~~NO~~

Water Level Indicator Model & No.:	WLI - Inhouse	Purge Method:	Disposable Bailer
pH/Cond/Temp Meter Model:	U-22	Purge Equipment Used:	1
Turbidity Meter Model:	1	Purge Rate (gpm):	—
Sample Collection Time:	1310	Chemical Laboratory:	Curtis and Tompkins
Sample Collection Method:	Disposable Bailer	Chemical Analysis:	TPH-g/BTEX/VOCs
Sample Containers Used:	Voas		

Other Field Observations: Well Purged Dry during 3rd Purge Event

BUREAU VERITAS

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Former Lemoine Sausage Factory	Well ID Number:	MW-11
Project No.:	33104-004578.00	Sample ID Number:	MW-11
Project Location:	630 29th Avenue, Oakland, CA	Date Gauged:	6-11-04
Field Technician:	Jeremy Wilson	Date Purged:	1
Weather Conditions:	partly cloudy 60's	Date Sampled:	1
Top of Casing Elevation (ft, msl):	14.87	Casing Diameter (inches):	2"
Depth to Water Elevation (ft, btoc):	6.15	Wellhead Condition:	OK
Groundwater Elevation (ft, msl):	8.72	Presence of Wellhead Gases:	No
Depth to Well Bottom (ft, btoc):	-0.13	Vapor Reading (ppm):	—
Water Column Height (ft):	8.85	Presence of SPH:	NO
Calculated Purge Volume (gal):	1.51	Thickness of SPH (ft):	—
Actual Purge Volume (gal):	5.25	Comments:	

Gallons Per Foot: 1"=0.04, 2"=0.17, 3"=0.37, 4"=0.66, 6"=1.5, other= r2 x 0.163

PURGING MEASUREMENTS

Time	Volume Removed (gal)	Specific Conductivity	Temp (°C)	Dissolved Oxygen (mg/L / %)	pH (units)	Turbidity (NTUs) or TDS g/L	ORP	Odor
1430	~~1.75~~	1759	19.93	3.81	782	Clear	-44.2	NO
1440	1.75	1802	19.87	3.50	730	Clear	-21.9	No
1445	1.75	1813	19.76	3.55	729	Clear	-19.5	No

Water Level Indicator Model & No.:	WLI-In house	Purge Method:	Disposable Bailer
pH/Cond/Temp Meter Model:	U-22	Purge Equipment Used:	1
Turbidity Meter Model:	1	Purge Rate (gpm):	—
Sample Collection Time:	1500	Chemical Laboratory:	Curtis and Tompkins
Sample Collection Method:	Disposable Bailer	Chemical Analysis:	TPH-g/BTEX/VOCs
Sample Containers Used:	Voas		

Other Field Observations: Well Purged Dry During 3rd Purge Event

BUREAU VERITAS

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Former Lemoine Sausage Factory	Well ID Number:	MW-12
Project No.:	33104-004578.00	Sample ID Number:	MW-12
Project Location:	630 29th Avenue, Oakland, CA	Date Gauged:	6-11-09
Field Technician:	Jeremy Wilson	Date Purged:	1
Weather Conditions:	partly cloudy 60's	Date Sampled:	1
Top of Casing Elevation (ft, msl):	14.05	Casing Diameter (inches):	2"
Depth to Water Elevation (ft, btoc):	5.69	Wellhead Condition:	ok
Groundwater Elevation (ft, msl):	8.36	Presence of Wellhead Gases:	No
Depth to Well Bottom (ft, btoc):	-0.95	Vapor Reading (ppm):	—
Water Column Height (ft):	9.31	Presence of SPH:	No
Calculated Purge Volume (gal):	1.58	Thickness of SPH (ft):	—
Actual Purge Volume (gal):	7.5	Comments:	

Gallons Per Foot: 1"=0.04, 2"=0.17, 3"=0.37, 4"=0.66, 6"=1.5, other= r2 x 0.163

PURGING MEASUREMENTS

Time	Volume Removed (gal)	Specific Conductivity	Temp (°C)	Dissolved Oxygen (mg/L / %)	pH (units)	Turbidity (NTUs) or TDS g/L	ORP	Odor
13:37	0.5	1321	20.02	9.36	8.13	clear	-72.1	No
13:40	1.75	1322	19.50	4.31	7.62	Clear	-44.7	No
13:50	1.75	1290	18.99	3.40	7.45	Clear	-36.1	No
13:55	1.75	1260	18.88	2.92	7.39	Clear	-21.2	No
14:00	1.75	1258	18.95	2.87	7.40	Clear	-22.0	NO

Water Level Indicator Model & No.:	WLI-In house	Purge Method:	Disposable Bailer
pH/Cond/Temp Meter Model:	U-22	Purge Equipment Used:	1
Turbidity Meter Model:	1	Purge Rate (gpm):	—
Sample Collection Time:	1405	Chemical Laboratory:	Curtis and Tompkins
Sample Collection Method:	Disposable Bailer	Chemical Analysis:	TPH-g/BTEX/VOCs
Sample Containers Used:	Voas		
Other Field Observations:	no odor		

BUREAU VERITAS

GROUNDWATER SAMPLING DATA SHEET

Project Name:	Former Lemoine Sausage Factory	Well ID Number:	MW-13
Project No.:	33104-004578.00	Sample ID Number:	MW-13
Project Location:	630 29th Avenue, Oakland, CA	Date Gauged:	6-11-09
Field Technician:	Jeremy Wilson	Date Purged:	1
Weather Conditions:	Mostly clear 70's	Date Sampled:	1
Top of Casing Elevation (ft, msl):	13.39	Casing Diameter (inches):	2"
Depth to Water Elevation (ft, btoc):	6.11	Wellhead Condition:	OK
Groundwater Elevation (ft, msl):	7.28	Presence of Wellhead Gases:	No
Depth to Well Bottom (ft, btoc):	-1.61	Vapor Reading (ppm):	-
Water Column Height (ft):	8.89	Presence of SPH:	No
Calculated Purge Volume (gal):	1.51	Thickness of SPH (ft):	-
Actual Purge Volume (gal):	4.25	Comments:	-

Gallons Per Foot: 1"=0.04, 2"=0.17, 3"=0.37, 4"=0.66, 6"=1.5, other= r2 x 0.163

PURGING MEASUREMENTS

Time	Volume Removed (gal)	Specific Conductivity	Temp (°C)	Dissolved Oxygen (mg/L / %)	pH (units)	Turbidity (NTUs) or TDS g/L	ORP	Odor
1342	1.5	1132	21.29	2.24	7.46	clear	52.6	Yes
1345	1.5	1142	20.98	1.84	7.42	clear	-12.5	Yes
1348	1.25	1099	20.28	1.89	7.38	clear w/ gray sediment	-45.7	Yes

Water Level Indicator Model & No.:	In house	Purge Method:	Disposable Bailer
pH/Cond/Temp Meter Model:	6-22	Purge Equipment Used:	1
Turbidity Meter Model:	1	Purge Rate (gpm):	-
Sample Collection Time:	1405	Chemical Laboratory:	Curtis and Tompkins
Sample Collection Method:	Disposable Bailer	Chemical Analysis:	TPH-g/BTEX/VOCs
Sample Containers Used:	Voas		

Other Field Observations: slight - moderate chemical odor 1403 DTW 8.54

well purged dry during 3rd purge event

Groundwater Elevation Data
Former Lemoine Sausage Factory
630 29th Avenue
Alameda, California

Well Identification	Date Measured	Time Measured	Time Sampled	Top of Casing Elevation (ft,msl)	Initial Depth to Water (feet)	Sampling Depth to Water (feet)	Groundwater Elevation (ft,msl)
MW-1	6-11-09	948	1235	16.69	5.57	5.57	11.12
MW-2	6-11-09	1012	1220	20.79	10.54	10.54	10.25
MW-6	6-11-09	945	1315	16.6	6.06	6.06	10.54
MW-7	6-11-09	1002	1455	15.47	6.14	6.14	9.33
MW-8	6-11-09	955	1150	17.58	7.57	7.57	10.01
MW-9	6-11-09	958	1140	17.61	6.53	6.53	11.08
MW-10	6-11-09	952	1310	16.92	5.61	5.61	11.31
MW-11	6-11-09	1004	1500	14.87	6.15	6.15	8.72
MW-12	6-11-09	1007	1405	14.05	5.69	5.69	8.36
MW-13	6-11-09	1010	1405	13.39	6.11	6.11	7.28

Notes:
1. Top of casing elevations are referenced to mean sea level (msl). The reference point is the benchmark

APPENDIX I

CHAIN-OF-CUSTODY DOCUMENTATION AND CERTIFIED ANALYTICAL RESULTS FOR SOIL VAPOR

18 June 2009

Mr. Timothy Bodkin
Bureau Veritas North America Inc.
2430 Camino Ramon, Suite 122
San Ramon, CA 94583

SUBJECT: DATA REPORT - Bureau Veritas North America Inc. Project # 33104-004578.00
630 29th Avenue, Oakland, California

TEG Project # 90603D

Mr. Bodkin:

Please find enclosed a data report for the samples analyzed from the above referenced project for Bureau Veritas North America Inc. The samples were analyzed on site in TEG's mobile laboratory. TEG conducted a total of 22 analyses on 22 soil vapor samples.

-- 22 analyses on soil vapors for volatile organic hydrocarbons by EPA method 8260B.

The results of the analyses are summarized in the enclosed tables. Applicable detection limits and calibration data are included in the tables.

1,1 difluoroethane was used as a leak check compound around the probe rods during the soil vapor sampling. No 1,1 difluoroethane was detected in any of the vapor samples reported at or above the DTSC recommended leak check compound reporting limit of 10 µg/L of vapor, except for leak check compound detected during subsequent sampling in SVGW-3 during the purge volume test, probably due to a combination of shallow sampling depth and a very large purge volume.

TEG appreciates the opportunity to have provided analytical services to Bureau Veritas North America Inc. on this project. If you have any further questions relating to these data or report, please do not hesitate to contact us.

Sincerely,

Mark Jerpbak
Director, TEG-Northern California

Bureau Veritas North America Inc.
Project # 33104-004578.00
630 29th Avenue, Oakland, California

TEG Project #90603D

EPA Method 8260B VOC Analyses of SOIL VAPOR in micrograms per cubic meter of Vapor

SAMPLE NUMBER:		Air Blank	Air Blank	B-12	B-13	B-14	B-15	B-16	B-16 dup
SAMPLE DEPTH (feet):				3.0	3.0	3.0	3.0	3.0	3.0
PURGE VOLUME:				3	3	3	3	3	3
COLLECTION DATE:		6/03/09	6/04/09	6/04/09	6/04/09	6/04/09	6/04/09	6/04/09	6/04/09
COLLECTION TIME:		08:49	08:06	10:24	10:03	09:39	09:16	08:35	08:35
DILUTION FACTOR (VOCs):		1	1	1	1	1	1	1	1
	RL								
Dichlorodifluoromethane	100	nd	nd	nd	nd	nd	nd	nd	nd
Vinyl Chloride	100	nd	nd	nd	nd	nd	nd	nd	nd
Chloroethane	100	nd	nd	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	100	nd	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	100	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	100	nd	nd	nd	nd	nd	nd	nd	nd
Methylene Chloride	100	nd	nd	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	100	nd	nd	nd	nd	nd	nd	nd	nd
Carbon Tetrachloride	100	nd	nd	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	100	nd	nd	nd	nd	nd	nd	nd	nd
Benzene	100	nd	nd	nd	nd	nd	nd	nd	nd
Trichloroethene	100	nd	nd	nd	nd	nd	nd	570	590
Toluene	200	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd	nd	nd
Tetrachloroethene	100	nd	nd	nd	nd	nd	nd	nd	nd
Ethylbenzene	100	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd	nd	nd
m,p-Xylene	200	nd	nd	nd	nd	nd	nd	nd	nd
o-Xylene	100	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd	nd	nd
1,1 Difluoroethane (leak check)	10000	nd	nd	nd	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		104%	102%	107%	106%	105%	104%	106%	105%
Surrogate Recovery (1,2-DCA-d4)		98%	93%	99%	98%	96%	98%	98%	96%
Surrogate Recovery (1,4-BFB)		107%	107%	109%	109%	108%	110%	107%	109%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Mr. Jon Edmondson

11350 Monier Park Place, Rancho Cordova, CA 95742 Phone: (916) 853-8010 Fax: (916) 853-8020

teg

Bureau Veritas North America Inc.
Project # 33104-004578.00
630 29th Avenue, Oakland, California

TEG Project #90603D

EPA Method 8260B VOC Analyses of SOIL VAPOR in micrograms per cubic meter of Vapor

SAMPLE NUMBER:		B-17	B-18	B-18 dup	B-19	B-20	B-21	SV-1	SV-1 dup
SAMPLE DEPTH (feet):		3.0	3.0	3.0	3.0	3.0	3.5	3.0	3.0
PURGE VOLUME:		3	3	3	3	3	3	3	3
COLLECTION DATE:		6/03/09	6/03/09	6/03/09	6/03/09	6/03/09	6/03/09	6/03/09	6/03/09
COLLECTION TIME:		16:01	15:22	15:22	15:03	12:40	12:19	14:09	14:09
DILUTION FACTOR (VOCs):		1	1	1	1	1	1	1	1
	RL								
Dichlorodifluoromethane	100	nd	nd	nd	nd	nd	nd	nd	nd
Vinyl Chloride	100	nd	nd	nd	nd	nd	nd	nd	nd
Chloroethane	100	nd	nd	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	100	nd	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	100	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	100	nd	nd	nd	nd	nd	nd	nd	nd
Methylene Chloride	100	nd	nd	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	670	580	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	100	nd	nd	nd	nd	nd	nd	nd	nd
Carbon Tetrachloride	100	nd	nd	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	100	nd	nd	nd	nd	nd	nd	nd	nd
Benzene	100	nd	nd	nd	nd	nd	nd	nd	nd
Trichloroethene	100	nd	200	180	nd	nd	nd	nd	nd
Toluene	200	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd	nd	nd
Tetrachloroethene	100	nd	nd	nd	nd	nd	nd	nd	nd
Ethylbenzene	100	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd	nd	nd
m,p-Xylene	200	nd	nd	nd	nd	nd	nd	nd	nd
o-Xylene	100	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd	nd	nd
1,1 Difluoroethane (leak check)	10000	nd	nd	nd	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		104%	106%	105%	106%	107%	104%	105%	104%
Surrogate Recovery (1,2-DCA-d4)		97%	97%	98%	99%	108%	96%	96%	96%
Surrogate Recovery (1,4-BFB)		109%	108%	109%	109%	110%	107%	108%	107%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Mr. Jon Edmondson

11350 Monier Park Place, Rancho Cordova, CA 95742 Phone: (916) 853-8010 Fax: (916) 853-8020

Bureau Veritas North America Inc.
Project # 33104-004578.00
630 29th Avenue, Oakland, California

TEG Project #90603D

EPA Method 8260B VOC Analyses of SOIL VAPOR in micrograms per cubic meter of Vapor

SAMPLE NUMBER:		SV-2	SV-3	SVGW-1	SVGW-2	SVGW-3	SVGW-3	SVGW-3	SVGW-4
SAMPLE DEPTH (feet):		3.0	3.5	3.0	3.0	3.0	3.0	3.0	3.0
PURGE VOLUME:		3	3	3	3	1	3	7	3
COLLECTION DATE:		6/03/09	6/03/09	6/03/09	6/03/09	6/03/09	6/03/09	6/03/09	6/03/09
COLLECTION TIME:		11:31	10:51	11:57	13.09	09:17	09:51	10:26	13:39
DILUTION FACTOR (VOCs):		1	1	1	1	1	1	1	1
	RL								
Dichlorodifluoromethane	100	nd	nd	nd	nd	nd	nd	nd	nd
Vinyl Chloride	100	nd	nd	nd	nd	nd	nd	nd	nd
Chloroethane	100	nd	nd	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	100	nd	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	100	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	100	nd	nd	nd	nd	nd	nd	nd	nd
Methylene Chloride	100	nd	nd	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	100	nd	nd	nd	nd	nd	nd	nd	nd
Carbon Tetrachloride	100	nd	nd	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	100	nd	nd	nd	nd	nd	nd	nd	nd
Benzene	100	nd	nd	nd	nd	nd	nd	nd	nd
Trichloroethene	100	nd	nd	nd	nd	nd	nd	nd	nd
Toluene	200	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd	nd	nd
Tetrachloroethene	100	nd	nd	nd	nd	nd	nd	nd	nd
Ethylbenzene	100	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd	nd	nd
m,p-Xylene	200	nd	nd	nd	nd	nd	nd	nd	nd
o-Xylene	100	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd	nd	nd
1,1 Difluoroethane (leak check)	10000	nd	nd	nd	nd	nd	nd	260000	nd
Surrogate Recovery (DBFM)		105%	106%	105%	105%	104%	104%	105%	106%
Surrogate Recovery (1,2-DCA-d4)		99%	98%	96%	100%	97%	96%	98%	99%
Surrogate Recovery (1,4-BFB)		109%	108%	108%	108%	108%	110%	109%	110%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Mr. Jon Edmondson

11350 Monier Park Place, Rancho Cordova, CA 95742 Phone: (916) 853-8010 Fax: (916) 853-8020

TEG Project #90603D

CALIBRATION STANDARDS - Initial Calibration / LCS

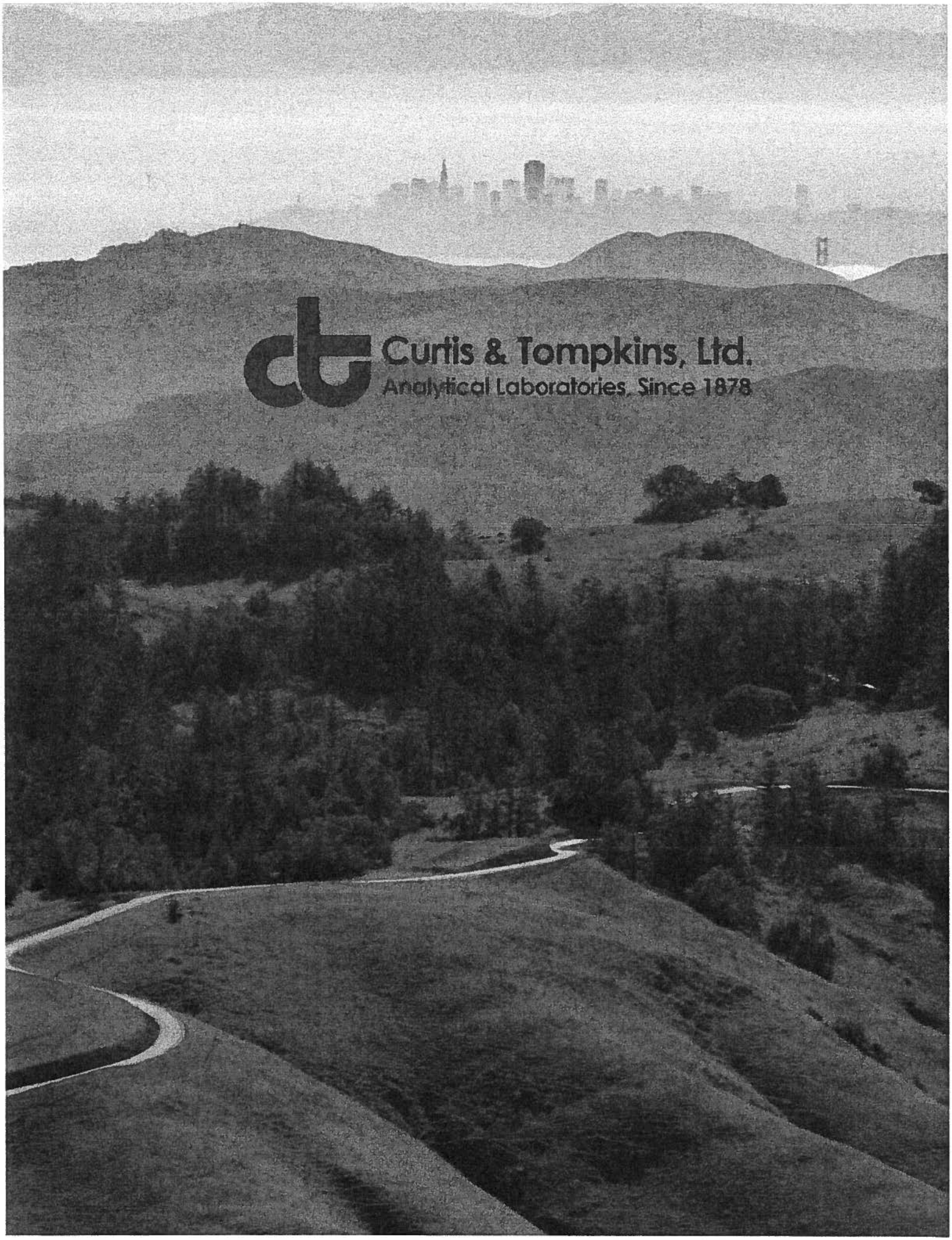
Instrument: Agilent 5973N MSD

COMPOUND	INITIAL CALIBRATION RF	INITIAL CALIBRATION %RSD	LCS RF	LCS %DIFF
Dichlorodifluoromethane*	0.416	8.1%	0.477	14.7%
Vinyl Chloride*	0.464	8.2%	0.539	16.2%
Chloroethane*	0.232	8.7%	0.256	10.3%
Trichlorofluoromethane	0.342	6.2%	0.378	10.5%
1,1-Dichloroethene	0.228	6.0%	0.228	0.0%
1,1,2-Trichloro-trifluoroethane*	0.230	6.2%	0.263	14.3%
Methylene Chloride	0.271	5.4%	0.286	5.5%
trans-1,2-Dichloroethene	0.262	4.2%	0.291	11.1%
1,1-Dichloroethane	0.582	6.6%	0.632	8.6%
cis-1,2-Dichloroethene	0.277	2.8%	0.306	10.5%
Chloroform	0.455	4.1%	0.490	7.7%
1,1,1-Trichloroethane	0.382	4.9%	0.412	7.9%
Carbon Tetrachloride	0.292	4.2%	0.326	11.6%
1,2-Dichloroethane	0.347	6.6%	0.373	7.5%
Benzene	1.169	9.8%	1.276	9.2%
Trichloroethene	0.281	2.7%	0.303	7.8%
Toluene	0.702	10.0%	0.752	7.1%
1,1,2-Trichloroethane	0.164	3.1%	0.175	6.7%
Tetrachloroethene	0.196	3.7%	0.213	8.7%
Ethylbenzene	0.584	6.2%	0.599	2.6%
1,1,1,2-Tetrachloroethane	0.296	6.6%	0.305	3.0%
m,p-Xylene	0.697	12.9%	0.750	7.6%
o-Xylene	0.663	8.7%	0.692	4.4%
1,1,2,2-Tetrachloroethane	0.620	6.0%	0.597	3.7%
Acceptable Limits		20.0%		15.0%

'*' Indicates RSD not to exceed 30% & LCS not to exceed 25%

APPENDIX J

CHAIN-OF-CUSTODY DOCUMENTATION AND CERTIFIED ANALYTICAL RESULTS FOR SOIL


Curtis & Tompkins, Ltd.
Analytical Laboratories. Since 1878

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

Laboratory Job Number 212583
ANALYTICAL REPORT

Bureau Veritas North America	Project : 33104-004578.00
2430 Camino Ramon	Location : Sausage Factory
San Ramon, Ca 94583	Level : II

Sample ID	Lab ID
SVGW-3	212583-001

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. This report may be reproduced only in its entirety.

Signature: _____ Date: 06/09/2009
Project Manager

Signature: _____ Date: 06/09/2009
Senior Program Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**212583**
Client:	**Bureau Veritas North America**
Project:	**33104-004578.00**
Location:	**Sausage Factory**
Request Date:	**06/03/09**
Samples Received:	**06/03/09**

This data package contains sample and QC results for one soil sample, requested for the above referenced project on 06/03/09. The sample was received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

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

CHAIN OF CUSTODY

C & T LOGIN #: 212583

Sampler: T. BODKIN

Project No.: 33104-00 45 78.00 Report To: " "

Project Name: FORMER STUDEBAKER FACTORY Company: BUREAU VERITAS NORTH AMERICA, INC.

Project P.O.: — Telephone: 925-426-2626

Turnaround Time: STANDARD Fax: 925.426-0106

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste	# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE	EnCore	Analysis: VOCs (EPA 8260B)
	SVGW-3	6/2/09/16:20	X			3				X	X	X

Notes:

SAMPLE RECEIPT
☒ Intact ☐ Cold
☒ On Ice ☐ Ambient

Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:

T. Bodkin 6/3/09 17:25 DATE / TIME

DATE / TIME

DATE / TIME

RECEIVED BY:

6/3/09 17:25 DATE / TIME

DATE / TIME

DATE / TIME

SIGNATURE

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 212583 Date Received 6-3-9 Number of coolers 1
Client SEARCH VERITAS Project SAUSAGE BACTREX

Date Opened 6-3-9 By (print) S. GRAN (sign)
Date Logged in 6/4/09 By (print) M. JILLANDERS (sign)

1. Did cooler come with a shipping slip (airbill, etc) _____ YES (NO)
   Shipping info _____

2A. Were custody seals present? ... ☐ YES (circle) on cooler on samples ☒ NO
   How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? _____ YES NO (N/A)
3. Were custody papers dry and intact when received? _____ (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) (YES) NO
6. Indicate the packing in cooler: (if other, describe) _____

☒ Bubble Wrap ☐ Foam blocks ☒ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation:

Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None Temp(°C) _____

☒ Samples Received on ice & cold without a temperature blank

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ (YES) NO
   If YES, what time were they transferred to freezer? 17:30
9. Did all bottles arrive unbroken/unopened? _____ (YES) NO
10. Are samples in the appropriate containers for indicated tests? _____ (YES) NO
11. Are sample labels present, in good condition and complete? _____ (YES) NO
12. Do the sample labels agree with custody papers? _____ (YES) NO
13. Was sufficient amount of sample sent for tests requested? _____ (YES) NO
14. Are the samples appropriately preserved? _____ YES NO (N/A)
15. Are bubbles > 6mm absent in VOA samples? _____ YES NO N/A
16. Was the client contacted concerning this sample delivery? _____ YES NO
   If YES, Who was called? _____ By _____ Date: _____

COMMENTS

_____
_____
_____
_____
_____
_____
_____
_____

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212583	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	SVGW-3	Diln Fac:	0.8772
Lab ID:	212583-001	Batch#:	151709
Matrix:	Soil	Sampled:	06/02/09
Units:	ug/Kg	Received:	06/03/09
Basis:	as received	Analyzed:	06/05/09

Analyte	Result	RL
Freon 12	ND	8.8
Chloromethane	ND	8.8
Vinyl Chloride	ND	8.8
Bromomethane	ND	8.8
Chloroethane	ND	8.8
Trichlorofluoromethane	ND	4.4
Acetone	ND	18
Freon 113	ND	4.4
1,1-Dichloroethene	ND	4.4
Methylene Chloride	ND	18
Carbon Disulfide	ND	4.4
MTBE	ND	4.4
trans-1,2-Dichloroethene	ND	4.4
Vinyl Acetate	ND	44
1,1-Dichloroethane	ND	4.4
2-Butanone	ND	8.8
cis-1,2-Dichloroethene	ND	4.4
2,2-Dichloropropane	ND	4.4
Chloroform	ND	4.4
Bromochloromethane	ND	4.4
1,1,1-Trichloroethane	ND	4.4
1,1-Dichloropropene	ND	4.4
Carbon Tetrachloride	ND	4.4
1,2-Dichloroethane	ND	4.4
Benzene	ND	4.4
Trichloroethene	ND	4.4
1,2-Dichloropropane	ND	4.4
Bromodichloromethane	ND	4.4
Dibromomethane	ND	4.4
4-Methyl-2-Pentanone	ND	8.8
cis-1,3-Dichloropropene	ND	4.4
Toluene	ND	4.4
trans-1,3-Dichloropropene	ND	4.4
1,1,2-Trichloroethane	ND	4.4
2-Hexanone	ND	8.8
1,3-Dichloropropane	ND	4.4
Tetrachloroethene	ND	4.4

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212583	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	SVGW-3	Diln Fac:	0.8772
Lab ID:	212583-001	Batch#:	151709
Matrix:	Soil	Sampled:	06/02/09
Units:	ug/Kg	Received:	06/03/09
Basis:	as received	Analyzed:	06/05/09

Analyte	Result	RL
Dibromochloromethane	ND	4.4
1,2-Dibromoethane	ND	4.4
Chlorobenzene	ND	4.4
1,1,1,2-Tetrachloroethane	ND	4.4
Ethylbenzene	ND	4.4
m,p-Xylenes	ND	4.4
o-Xylene	ND	4.4
Styrene	ND	4.4
Bromoform	ND	4.4
Isopropylbenzene	ND	4.4
1,1,2,2-Tetrachloroethane	ND	4.4
1,2,3-Trichloropropane	ND	4.4
Propylbenzene	ND	4.4
Bromobenzene	ND	4.4
1,3,5-Trimethylbenzene	ND	4.4
2-Chlorotoluene	ND	4.4
4-Chlorotoluene	ND	4.4
tert-Butylbenzene	ND	4.4
1,2,4-Trimethylbenzene	ND	4.4
sec-Butylbenzene	ND	4.4
para-Isopropyl Toluene	ND	4.4
1,3-Dichlorobenzene	ND	4.4
1,4-Dichlorobenzene	ND	4.4
n-Butylbenzene	ND	4.4
1,2-Dichlorobenzene	ND	4.4
1,2-Dibromo-3-Chloropropane	ND	4.4
1,2,4-Trichlorobenzene	ND	4.4
Hexachlorobutadiene	ND	4.4
Naphthalene	ND	4.4
1,2,3-Trichlorobenzene	ND	4.4

Surrogate	%REC	Limits
Dibromofluoromethane	96	71-128
1,2-Dichloroethane-d4	85	69-135
Toluene-d8	92	80-120
Bromofluorobenzene	88	77-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212583	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC498860	Diln Fac:	1.000
Matrix:	Soil	Batch#:	151709
Units:	ug/Kg	Analyzed:	06/05/09

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212583	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Basis:	as received
Lab ID:	QC498860	Diln Fac:	1.000
Matrix:	Soil	Batch#:	151709
Units:	ug/Kg	Analyzed:	06/05/09

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	92	71-128
1,2-Dichloroethane-d4	81	69-135
Toluene-d8	96	80-120
Bromofluorobenzene	87	77-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212583	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Matrix:	Soil	Diln Fac:	1.000
Units:	ug/Kg	Batch#:	151709
Basis:	as received	Analyzed:	06/05/09

Type: BS Lab ID: QC498861

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	22.54	90	73-135
Benzene	25.00	25.91	104	80-125
Trichloroethene	25.00	24.18	97	80-127
Toluene	25.00	25.92	104	80-126
Chlorobenzene	25.00	25.93	104	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	96	71-128
1,2-Dichloroethane-d4	74	69-135
Toluene-d8	95	80-120
Bromofluorobenzene	84	77-131

Type: BSD Lab ID: QC498862

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	26.23	105	73-135	15	20
Benzene	25.00	26.95	108	80-125	4	20
Trichloroethene	25.00	25.35	101	80-127	5	20
Toluene	25.00	26.22	105	80-126	1	20
Chlorobenzene	25.00	27.02	108	80-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	98	71-128
1,2-Dichloroethane-d4	79	69-135
Toluene-d8	93	80-120
Bromofluorobenzene	87	77-131

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212583	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	0.9823
MSS Lab ID:	212551-015	Batch#:	151709
Matrix:	Soil	Sampled:	06/02/09
Units:	ug/Kg	Received:	06/02/09
Basis:	as received	Analyzed:	06/08/09

Type: MS Lab ID: QC498930

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.9781	49.12	44.48	91	58-145
Benzene	<0.9823	49.12	48.84	99	56-126
Trichloroethene	<0.9823	49.12	44.41	90	50-142
Toluene	<0.9823	49.12	49.53	101	52-125
Chlorobenzene	<0.9823	49.12	46.73	95	46-120

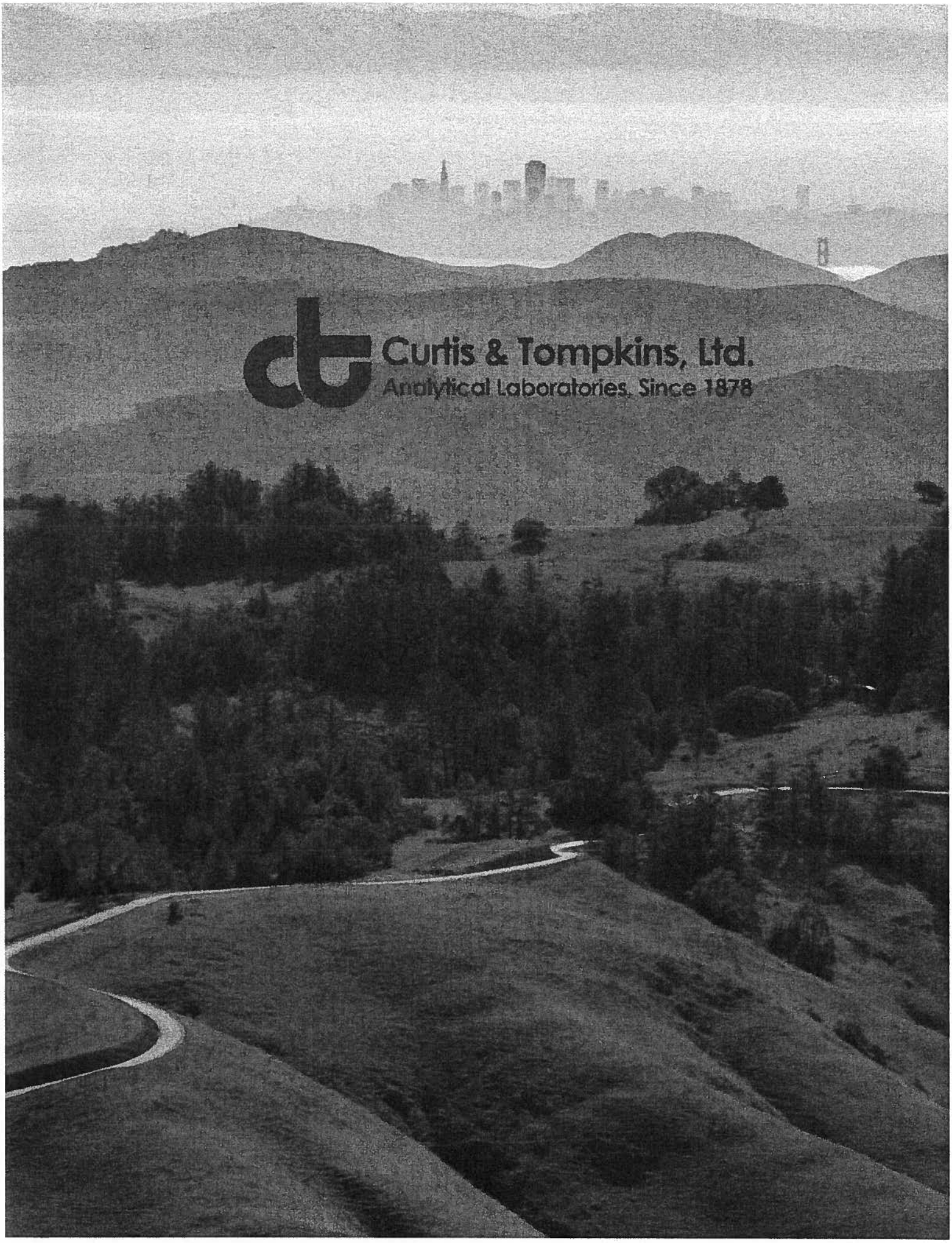
Surrogate	%REC	Limits
Dibromofluoromethane	96	71-128
1,2-Dichloroethane-d4	84	69-135
Toluene-d8	97	80-120
Bromofluorobenzene	85	77-131

Type: MSD Lab ID: QC498931

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	49.12	53.02	108	58-145	18	28
Benzene	49.12	55.37	113	56-126	13	26
Trichloroethene	49.12	51.95	106	50-142	16	29
Toluene	49.12	52.90	108	52-125	7	29
Chlorobenzene	49.12	53.85	110	46-120	14	29

Surrogate	%REC	Limits
Dibromofluoromethane	102	71-128
1,2-Dichloroethane-d4	78	69-135
Toluene-d8	96	80-120
Bromofluorobenzene	83	77-131

RPD= Relative Percent Difference


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

Laboratory Job Number 212602
ANALYTICAL REPORT

Bureau Veritas North America	Project : 33104-004578.00
2430 Camino Ramon	Location : Sausage Factory
San Ramon, Ca 94583	Level : II

Sample ID	Lab ID
B-21	212602-001
B-20	212602-002
B-13	212602-003
B-15	212602-004

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. This report may be reproduced only in its entirety.

Signature: _____ Date: 06/11/2009
Project Manager

Signature: _____ Date: 06/11/2009
Senior Program Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**212602**
Client:	**Bureau Veritas North America**
Project:	**33104-004578.00**
Location:	**Sausage Factory**
Request Date:	**06/05/09**
Samples Received:	**06/04/09**

This data package contains sample and QC results for four water samples, requested for the above referenced project on 06/05/09. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
High surrogate recoveries were observed for bromofluorobenzene (FID) and trifluorotoluene (FID) in B-15 (lab # 212602-004). No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

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

CHAIN OF CUSTODY

Page _____ of _____

C & T LOGIN #: 212602

Sampler: Tim Bodkin + Jeremy Wilson

Project No.: 33104-004578.00

Report To: Tim Bodkin

Project Name: Former Lemoore Sausage Factory

Company: Bureau Veritas

Project P.O.:

Telephone: 925-426-2600

Turnaround Time:

Fax: 925-426-0106

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		Analysis: TPH-g + BTEX 8021B	VOCs 8260B												
1	B-21	6.4.09 1620		X			6	X			X		X	X												
2	B-20	6.4.09 1740		X			6	X			X		X	X												
3	B-13	6.4.09 1800		X			6	X			X		X	X												
4	B-15	6.4.09 1820		X			6	X			X		X	X												

Notes:

SAMPLE RECEIPT
☐ Intact ☐ Cold
☐ On Ice ☐ Ambient

Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:

6.4.09 1905 DATE / TIME

DATE / TIME

DATE / TIME

RECEIVED BY:

6/4/09 1905 DATE / TIME

DATE / TIME

DATE / TIME

SIGNATURE

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 212602 Date Received 6/4/09 Number of coolers 1
Client BV Project FEMA - LEMOORE SAWDUST FACTORY

Date Opened 6/4/09 By (print) M. VILLANUEVA (sign)
Date Logged in 6/5/09 By (print) ↓ (sign) ↓

1. Did cooler come with a shipping slip (airbill, etc) _____ YES (NO)
   Shipping info _____

2A. Were custody seals present? ... ☐ YES (circle) on cooler on samples ☐ (NO)
   How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? _____ YES NO (N/A)
3. Were custody papers dry and intact when received? _____ (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ___ (YES) NO
6. Indicate the packing in cooler: (if other, describe) _____

☐ Bubble Wrap ☑ Foam blocks ☐ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation:

Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None Temp(°C) 8.5

☐ Samples Received on ice & cold without a temperature blank

☑ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES (NO)
   If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? _____ (YES) NO
10. Are samples in the appropriate containers for indicated tests? _____ (YES) NO
11. Are sample labels present, in good condition and complete? _____ (YES) NO
12. Do the sample labels agree with custody papers? _____ (YES) NO
13. Was sufficient amount of sample sent for tests requested? _____ (YES) NO
14. Are the samples appropriately preserved? _____ (YES) NO N/A
15. Are bubbles > 6mm absent in VOA samples? _____ (YES) NO N/A
16. Was the client contacted concerning this sample delivery? _____ YES NO
   If YES, Who was called? _____ By _____ Date: _____

COMMENTS

_____
_____
_____
_____
_____
_____
_____
_____

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212602	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Matrix:	Water	Sampled:	06/04/09
Units:	ug/L	Received:	06/04/09

Field ID:	B-21	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	151744
Lab ID:	212602-001	Analyzed:	06/06/09

Analyte	Result	RL	Analysis
Gasoline C7-C12	440 Y	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	116	63-146	EPA 8015B
Bromofluorobenzene (FID)	134	70-140	EPA 8015B
Trifluorotoluene (PID)	106	50-140	EPA 8021B
Bromofluorobenzene (PID)	131	56-132	EPA 8021B

Field ID:	B-20	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	151744
Lab ID:	212602-002	Analyzed:	06/06/09

Analyte	Result	RL	Analysis
Gasoline C7-C12	270	50	EPA 8015B
Benzene	9.6	0.50	EPA 8021B
Toluene	0.54	0.50	EPA 8021B
Ethylbenzene	18	0.50	EPA 8021B
m,p-Xylenes	2.1	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	107	63-146	EPA 8015B
Bromofluorobenzene (FID)	115	70-140	EPA 8015B
Trifluorotoluene (PID)	108	50-140	EPA 8021B
Bromofluorobenzene (PID)	124	56-132	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212602	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Matrix:	Water	Sampled:	06/04/09
Units:	ug/L	Received:	06/04/09

Field ID:	B-13	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	151744
Lab ID:	212602-003	Analyzed:	06/06/09

Analyte	Result	RL	Analysis
Gasoline C7-C12	180	50	EPA 8015B
Benzene	15	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	6.9	0.50	EPA 8021B
m,p-Xylenes	1.6	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	108	63-146	EPA 8015B
Bromofluorobenzene (FID)	112	70-140	EPA 8015B
Trifluorotoluene (PID)	105	50-140	EPA 8021B
Bromofluorobenzene (PID)	117	56-132	EPA 8021B

Field ID:	B-15	Diln Fac:	20.00
Type:	SAMPLE	Batch#:	151766
Lab ID:	212602-004	Analyzed:	06/08/09

Analyte	Result	RL	Analysis
Gasoline C7-C12	88,000	1,000	EPA 8015B
Benzene	5,000	10	EPA 8021B
Toluene	640	10	EPA 8021B
Ethylbenzene	1,900	10	EPA 8021B
m,p-Xylenes	4,000	10	EPA 8021B
o-Xylene	340 C	10	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	162 *	63-146	EPA 8015B
Bromofluorobenzene (FID)	152 *	70-140	EPA 8015B
Trifluorotoluene (PID)	125	50-140	EPA 8021B
Bromofluorobenzene (PID)	93	56-132	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212602	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Matrix:	Water	Sampled:	06/04/09
Units:	ug/L	Received:	06/04/09

Type: BLANK
Lab ID: QC499002
Diln Fac: 1.000

Batch#: 151744
Analyzed: 06/06/09

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

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	90	63-146	EPA 8015B
Bromofluorobenzene (FID)	90	70-140	EPA 8015B
Trifluorotoluene (PID)	93	50-140	EPA 8021B
Bromofluorobenzene (PID)	92	56-132	EPA 8021B

Type: BLANK
Lab ID: QC499092
Diln Fac: 1.000

Batch#: 151766
Analyzed: 06/08/09

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

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	101	63-146	EPA 8015B
Bromofluorobenzene (FID)	100	70-140	EPA 8015B
Trifluorotoluene (PID)	74	50-140	EPA 8021B
Bromofluorobenzene (PID)	75	56-132	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212602	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8021B
Matrix:	Water	Batch#:	151744
Units:	ug/L	Analyzed:	06/06/09
Diln Fac:	1.000		

Type: BS Lab ID: QC499003

Analyte	Spiked	Result	%REC	Limits
Benzene	10.00	10.25	103	79-120
Toluene	10.00	9.878	99	76-122
Ethylbenzene	10.00	10.20	102	77-125
m,p-Xylenes	10.00	10.26	103	76-126
o-Xylene	10.00	9.779	98	77-126

Surrogate	%REC	Limits
Trifluorotoluene (PID)	108	50-140
Bromofluorobenzene (PID)	112	56-132

Type: BSD Lab ID: QC499004

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	10.00	9.517	95	79-120	7	20
Toluene	10.00	9.061	91	76-122	9	21
Ethylbenzene	10.00	9.316	93	77-125	9	21
m,p-Xylenes	10.00	9.170	92	76-126	11	23
o-Xylene	10.00	8.792	88	77-126	11	21

Surrogate	%REC	Limits
Trifluorotoluene (PID)	98	50-140
Bromofluorobenzene (PID)	102	56-132

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212602	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC499005	Batch#:	151744
Matrix:	Water	Analyzed:	06/06/09
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	967.9	97	76-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	121	63-146
Bromofluorobenzene (FID)	120	70-140

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212602	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Field ID:	ZZZZZZZZZZ	Batch#:	151744
MSS Lab ID:	212620-003	Sampled:	06/04/09
Matrix:	Water	Received:	06/04/09
Units:	ug/L	Analyzed:	06/06/09
Diln Fac:	1.000		

Type: MS Lab ID: QC499006

Analyte	MSS Result	Spiked	Result	%REC	Limits	Analysis
Gasoline C7-C12	22.97	2,000	1,873	92	66-120	EPA 8015B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	124	63-146	EPA 8015B
Bromofluorobenzene (FID)	130	70-140	EPA 8015B
Trifluorotoluene (PID)	98	50-140	EPA 8021B
Bromofluorobenzene (PID)	102	56-132	EPA 8021B

Type: MSD Lab ID: QC499007

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Analysis
Gasoline C7-C12	2,000	1,868	92	66-120	0	20	EPA 8015B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	119	63-146	EPA 8015B
Bromofluorobenzene (FID)	132	70-140	EPA 8015B
Trifluorotoluene (PID)	94	50-140	EPA 8021B
Bromofluorobenzene (PID)	102	56-132	EPA 8021B

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212602	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC499093	Batch#:	151766
Matrix:	Water	Analyzed:	06/08/09
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	990.4	99	76-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	118	63-146
Bromofluorobenzene (FID)	104	70-140

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212602	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8021B
Matrix:	Water	Batch#:	151766
Units:	ug/L	Analyzed:	06/08/09
Diln Fac:	1.000		

Type: BS Lab ID: QC499094

Analyte	Spiked	Result	%REC	Limits
Benzene	10.00	9.595	96	79-120
Toluene	10.00	10.00	100	76-122
Ethylbenzene	10.00	9.807	98	77-125
m,p-Xylenes	10.00	9.839	98	76-126
o-Xylene	10.00	9.314	93	77-126

Surrogate	%REC	Limits
Trifluorotoluene (PID)	71	50-140
Bromofluorobenzene (PID)	74	56-132

Type: BSD Lab ID: QC499095

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	10.00	10.69	107	79-120	11	20
Toluene	10.00	11.02	110	76-122	10	21
Ethylbenzene	10.00	10.10	101	77-125	3	21
m,p-Xylenes	10.00	10.71	107	76-126	8	23
o-Xylene	10.00	10.51	105	77-126	12	21

Surrogate	%REC	Limits
Trifluorotoluene (PID)	77	50-140
Bromofluorobenzene (PID)	77	56-132

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212602	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	151766
MSS Lab ID:	212619-006	Sampled:	06/03/09
Matrix:	Water	Received:	06/04/09
Units:	ug/L	Analyzed:	06/08/09
Diln Fac:	1.000		

Type: MS Lab ID: QC499096

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	426.5	2,000	2,120	85	66-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	127	63-146
Bromofluorobenzene (FID)	104	70-140

Type: MSD Lab ID: QC499097

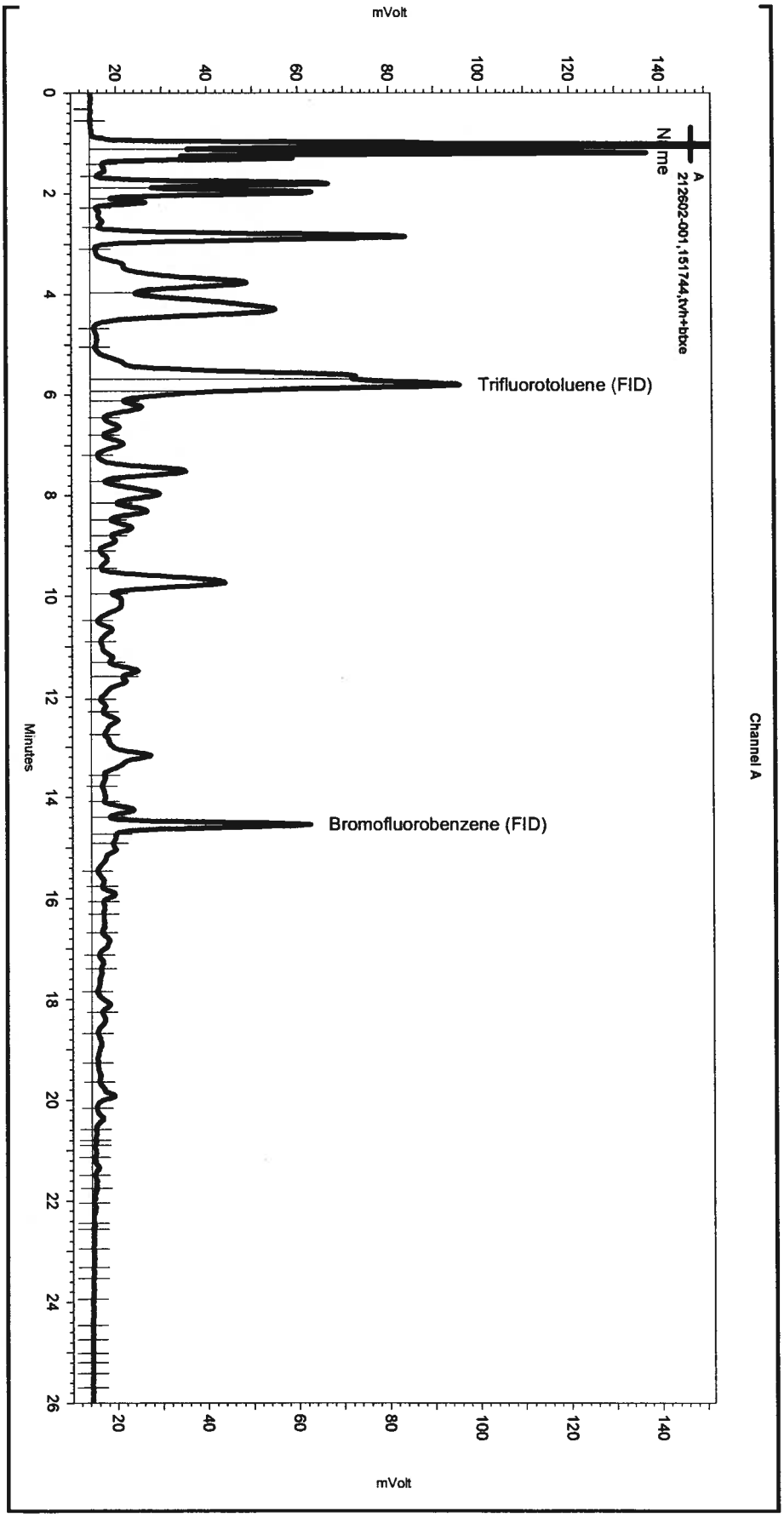
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,157	87	66-120	2	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	125	63-146
Bromofluorobenzene (FID)	104	70-140

RPD= Relative Percent Difference

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC04\Sequence\157.seq
Sample Name: **212602-001,151744,tvh+btxe**
Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\157_007
Instrument: GC04 (Offline) Vial: N/A Operator: Weldon Hall (lims2k3\weldon)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe148.met

Software Version 3.1.7
Run Date: 6/6/2009 12:11:24 PM
Analysis Date: 6/8/2009 10:38:33 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: b1.3



---< General Method Parameters >---

No items selected for this section

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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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Yes	Threshold	0	0	50

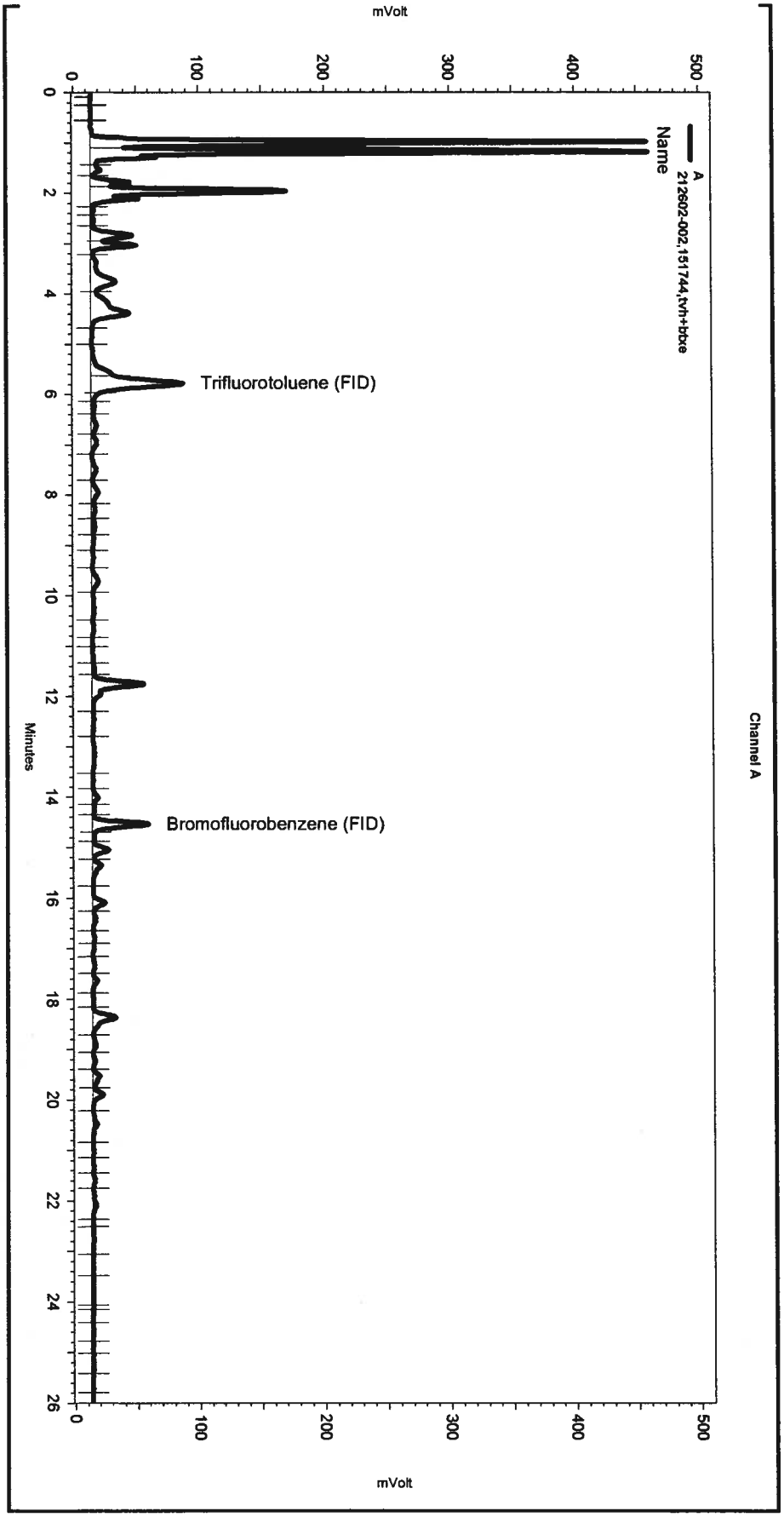
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\157_007

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Yes	Split Peak	5.678	0	0
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Yes	Split Peak	14.731	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC04\Sequence\157.seq**
Sample Name: **212602-002,151744,tvh+btxe**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC04\Data\157_008**
Instrument: GC04 (Offline) Vial: N/A Operator: Weldon Hall (lims2k3\weldon)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe148.met

Software Version 3.1.7
Run Date: 6/6/2009 12:49:00 PM
Analysis Date: 6/8/2009 10:34:23 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: b1.3



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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

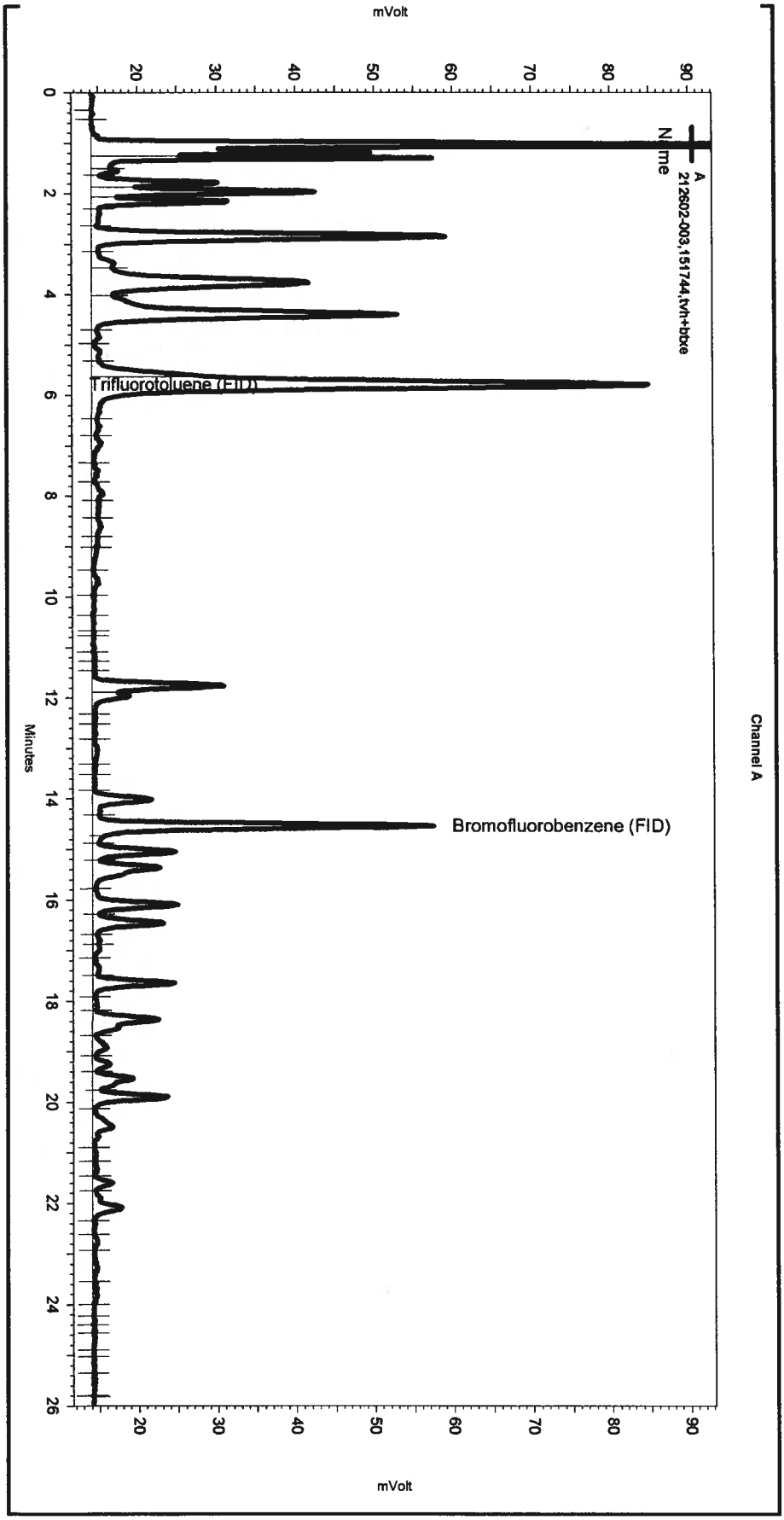
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\157_008

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Yes	Split Peak	5.635	0	0
Yes	Split Peak	5.964	0	0
Yes	Split Peak	14.696	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC04\Sequence\157.seq
Sample Name: **212602-003,151744,tvh+btxe**
Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\157_009
Instrument: GC04 (Offline) Vial: N/A Operator: Weldon Hall (lims2k3\weldon)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe148.met

Software Version 3.1.7
Run Date: 6/6/2009 1:26:37 PM
Analysis Date: 6/8/2009 10:34:27 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: b1.3



---< General Method Parameters >---

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No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

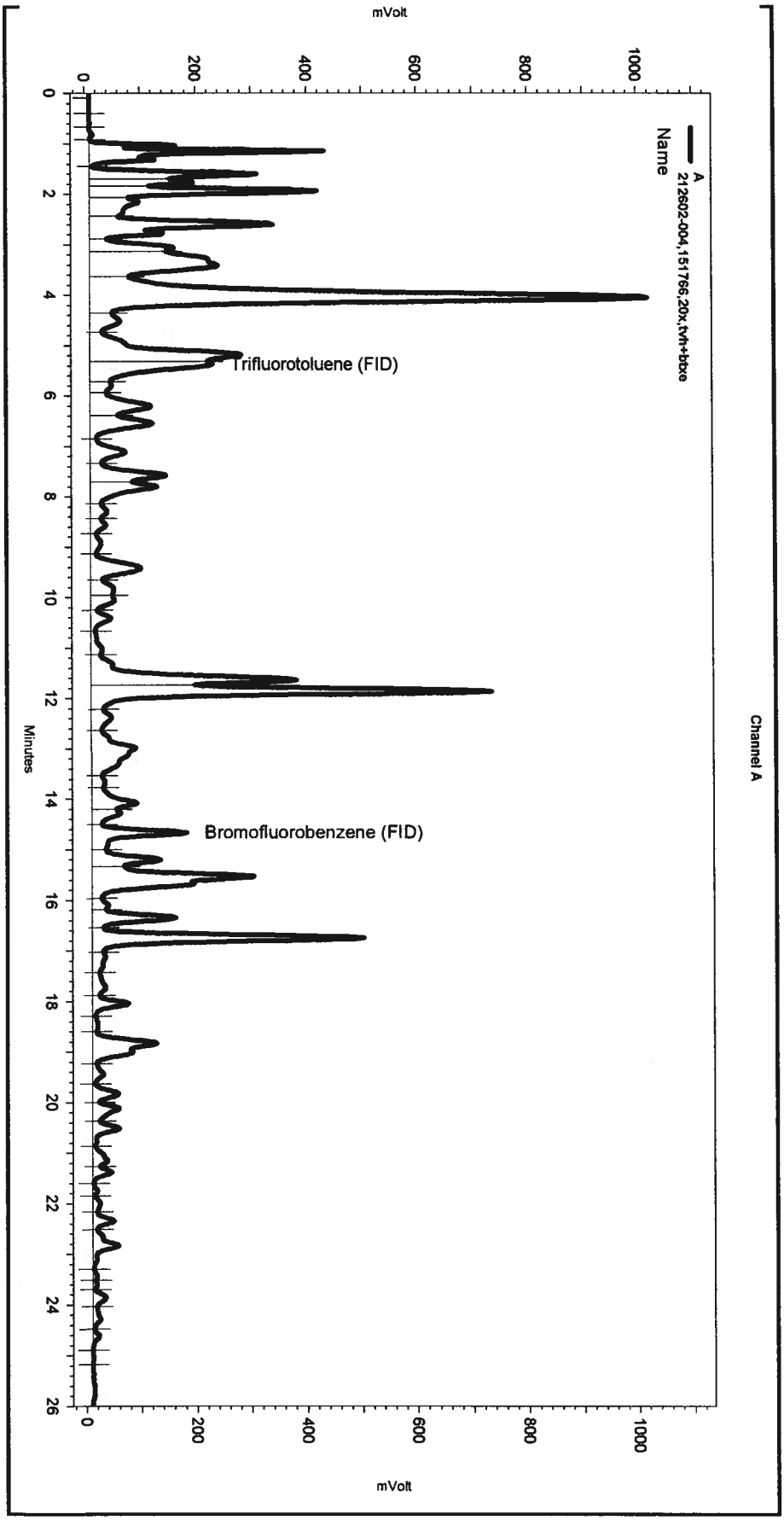
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\157_009

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	5.627	0	0
Yes	Split Peak	14.733	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\159.seq**
Sample Name: **212602-004,151766,20x,tvh+btxe**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\159_008**
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe119.met

Software Version 3.1.7
Run Date: 6/8/2009 3:22:24 PM
Analysis Date: 6/9/2009 11:08:41 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: c1.6



---< General Method Parameters >---

No Items selected for this section

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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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Yes	Threshold	0	0	50

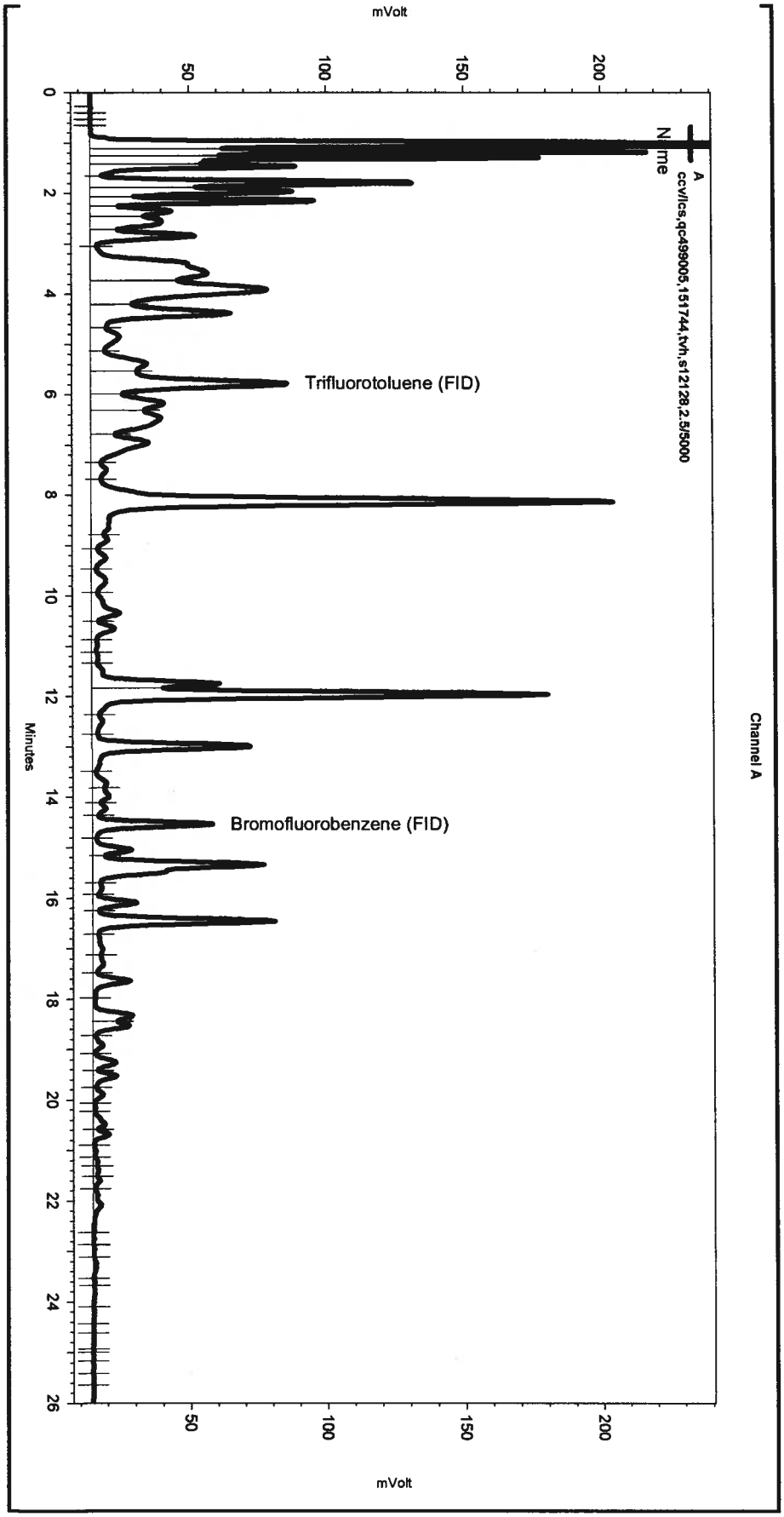
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\159_008

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	5.315	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC04\Sequence\157.seq**
Sample Name: **ccv/lcs,qc499005,151744,tvh,s12128,2.5/5000**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC04\Data\157_003**
Instrument: GC04 (Offline) Vial: N/A Operator: Weldon Hall (lims2k3\weldon)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe148.met

Software Version 3.1.7
Run Date: 6/6/2009 9:14:53 AM
Analysis Date: 6/8/2009 10:20:16 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: {Data Description}



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\157_003

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
None				

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212602	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-21	Batch#:	151839
Lab ID:	212602-001	Sampled:	06/04/09
Matrix:	Water	Received:	06/04/09
Units:	ug/L	Analyzed:	06/10/09
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212602	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-21	Batch#:	151839
Lab ID:	212602-001	Sampled:	06/04/09
Matrix:	Water	Received:	06/04/09
Units:	ug/L	Analyzed:	06/10/09
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	0.8	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	0.5	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	1.1	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	0.8	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-122
1,2-Dichloroethane-d4	101	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	113	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212602	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-20	Batch#:	151839
Lab ID:	212602-002	Sampled:	06/04/09
Matrix:	Water	Received:	06/04/09
Units:	ug/L	Analyzed:	06/10/09
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	10	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	24	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	47	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	12	0.5
Trichloroethene	8.1	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212602	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-20	Batch#:	151839
Lab ID:	212602-002	Sampled:	06/04/09
Matrix:	Water	Received:	06/04/09
Units:	ug/L	Analyzed:	06/10/09
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	24	0.5
m,p-Xylenes	2.6	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	2.1	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	6.6	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	1.3	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	0.7	0.5
1,2,4-Trimethylbenzene	0.6	0.5
sec-Butylbenzene	0.6	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	5.5	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	8.1	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-122
1,2-Dichloroethane-d4	100	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	106	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212602	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-13	Batch#:	151839
Lab ID:	212602-003	Sampled:	06/04/09
Matrix:	Water	Received:	06/04/09
Units:	ug/L	Analyzed:	06/10/09
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	18	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212602	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-13	Batch#:	151839
Lab ID:	212602-003	Sampled:	06/04/09
Matrix:	Water	Received:	06/04/09
Units:	ug/L	Analyzed:	06/10/09
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	9.0	0.5
m,p-Xylenes	1.9	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	3.8	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	5.1	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	1.9	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	0.6	0.5
1,2,4-Trimethylbenzene	5.3	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	1.7	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	3.3	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-122
1,2-Dichloroethane-d4	101	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	106	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212602	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-15	Batch#:	151796
Lab ID:	212602-004	Sampled:	06/04/09
Matrix:	Water	Received:	06/04/09
Units:	ug/L	Analyzed:	06/09/09
Diln Fac:	333.3		

Analyte	Result	RL
Freon 12	ND	330
Chloromethane	ND	330
Vinyl Chloride	ND	170
Bromomethane	ND	330
Chloroethane	ND	330
Trichlorofluoromethane	ND	330
Acetone	ND	3,300
Freon 113	ND	670
1,1-Dichloroethene	ND	170
Methylene Chloride	ND	3,300
Carbon Disulfide	ND	170
MTBE	ND	170
trans-1,2-Dichloroethene	ND	170
Vinyl Acetate	ND	3,300
1,1-Dichloroethane	ND	170
2-Butanone	ND	3,300
cis-1,2-Dichloroethene	31,000	170
2,2-Dichloropropane	ND	170
Chloroform	ND	170
Bromochloromethane	ND	170
1,1,1-Trichloroethane	ND	170
1,1-Dichloropropene	ND	170
Carbon Tetrachloride	ND	170
1,2-Dichloroethane	ND	170
Benzene	5,200	170
Trichloroethene	1,800	170
1,2-Dichloropropane	ND	170
Bromodichloromethane	ND	170
Dibromomethane	ND	170
4-Methyl-2-Pentanone	ND	3,300
cis-1,3-Dichloropropene	ND	170
Toluene	470	170
trans-1,3-Dichloropropene	ND	170
1,1,2-Trichloroethane	ND	170
2-Hexanone	ND	3,300
1,3-Dichloropropane	ND	170
Tetrachloroethene	ND	170

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212602	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-15	Batch#:	151796
Lab ID:	212602-004	Sampled:	06/04/09
Matrix:	Water	Received:	06/04/09
Units:	ug/L	Analyzed:	06/09/09
Diln Fac:	333.3		

Analyte	Result	RL
Dibromochloromethane	ND	170
1,2-Dibromoethane	ND	170
Chlorobenzene	ND	170
1,1,1,2-Tetrachloroethane	ND	170
Ethylbenzene	1,100	170
m,p-Xylenes	2,200	170
o-Xylene	ND	170
Styrene	ND	170
Bromoform	ND	330
Isopropylbenzene	ND	170
1,1,2,2-Tetrachloroethane	ND	170
1,2,3-Trichloropropane	ND	170
Propylbenzene	170	170
Bromobenzene	ND	170
1,3,5-Trimethylbenzene	360	170
2-Chlorotoluene	ND	170
4-Chlorotoluene	ND	170
tert-Butylbenzene	ND	170
1,2,4-Trimethylbenzene	1,300	170
sec-Butylbenzene	ND	170
para-Isopropyl Toluene	ND	170
1,3-Dichlorobenzene	ND	170
1,4-Dichlorobenzene	ND	170
n-Butylbenzene	ND	170
1,2-Dichlorobenzene	ND	170
1,2-Dibromo-3-Chloropropane	ND	670
1,2,4-Trichlorobenzene	ND	170
Hexachlorobutadiene	ND	670
Naphthalene	ND	670
1,2,3-Trichlorobenzene	ND	170

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-122
1,2-Dichloroethane-d4	102	77-137
Toluene-d8	107	80-120
Bromofluorobenzene	110	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212602	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	151796
Units:	ug/L	Analyzed:	06/09/09
Diln Fac:	1.000		

Type: BS Lab ID: QC499208

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	28.52	114	74-132
Benzene	25.00	24.96	100	80-120
Trichloroethene	25.00	26.62	106	80-120
Toluene	25.00	26.72	107	80-120
Chlorobenzene	25.00	23.65	95	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-122
1,2-Dichloroethane-d4	97	77-137
Toluene-d8	106	80-120
Bromofluorobenzene	97	80-125

Type: BSD Lab ID: QC499209

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	29.89	120	74-132	5	20
Benzene	25.00	25.89	104	80-120	4	20
Trichloroethene	25.00	27.16	109	80-120	2	20
Toluene	25.00	27.30	109	80-120	2	20
Chlorobenzene	25.00	24.30	97	80-120	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-122
1,2-Dichloroethane-d4	97	77-137
Toluene-d8	106	80-120
Bromofluorobenzene	98	80-125

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212602	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC499210	Batch#:	151796
Matrix:	Water	Analyzed:	06/09/09
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212602	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC499210	Batch#:	151796
Matrix:	Water	Analyzed:	06/09/09
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-122
1,2-Dichloroethane-d4	100	77-137
Toluene-d8	106	80-120
Bromofluorobenzene	112	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212602	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	151839
Units:	ug/L	Analyzed:	06/10/09
Diln Fac:	1.000		

Type: BS Lab ID: QC499392

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	31.25	33.36	107	74-132
Benzene	31.25	31.18	100	80-120
Trichloroethene	31.25	32.72	105	80-120
Toluene	31.25	32.89	105	80-120
Chlorobenzene	31.25	31.13	100	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-122
1,2-Dichloroethane-d4	100	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	93	80-125

Type: BSD Lab ID: QC499393

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	31.25	31.98	102	74-132	4	20
Benzene	31.25	30.61	98	80-120	2	20
Trichloroethene	31.25	32.02	102	80-120	2	20
Toluene	31.25	32.39	104	80-120	2	20
Chlorobenzene	31.25	31.08	99	80-120	0	20

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-122
1,2-Dichloroethane-d4	98	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	96	80-125

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212602	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC499394	Batch#:	151839
Matrix:	Water	Analyzed:	06/10/09
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

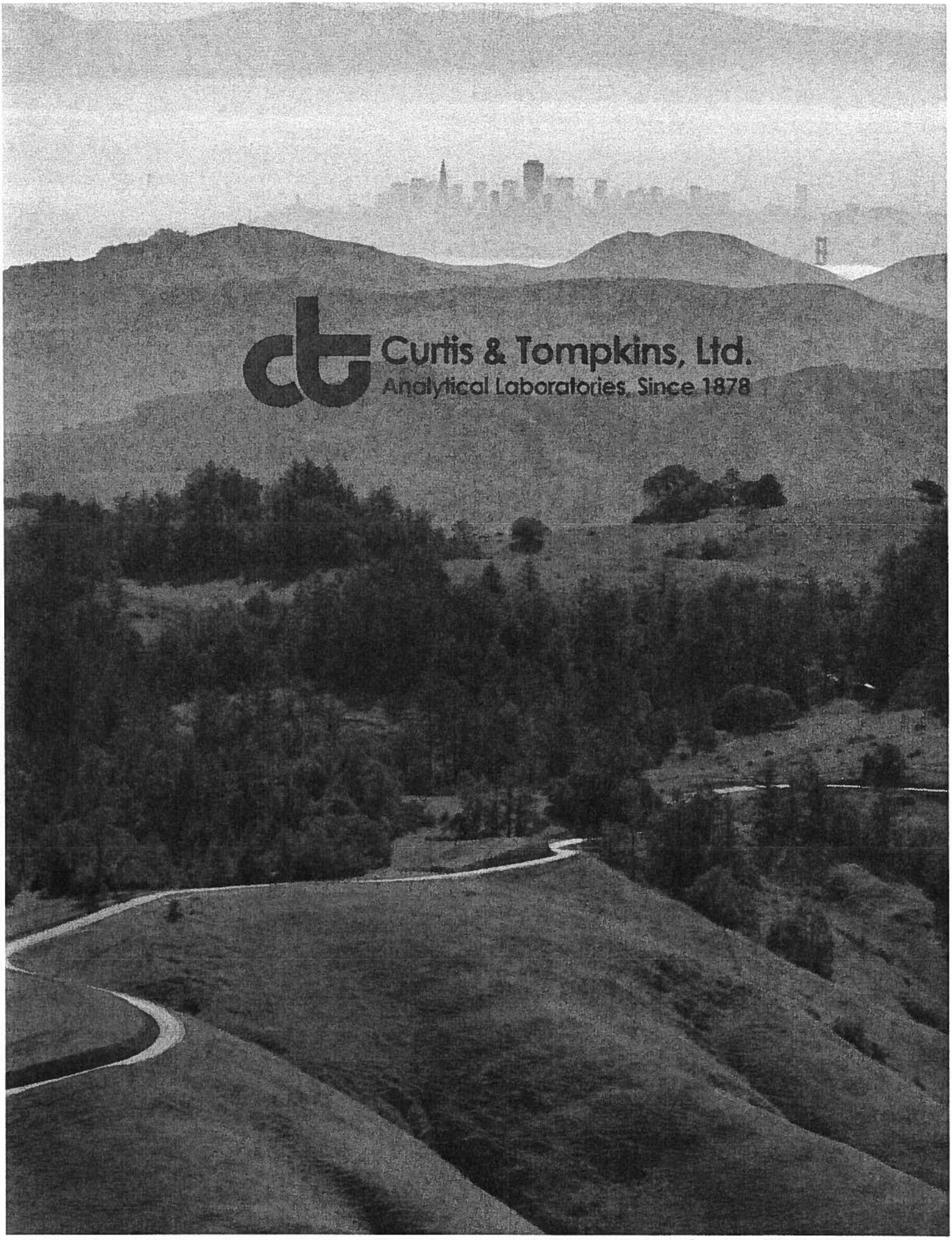
Purgeable Organics by GC/MS

Lab #:	212602	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC499394	Batch#:	151839
Matrix:	Water	Analyzed:	06/10/09
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-122
1,2-Dichloroethane-d4	101	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	109	80-125

ND= Not Detected
RL= Reporting Limit


Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

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

Laboratory Job Number 212613
ANALYTICAL REPORT

Bureau Veritas North America	Project : 33104-004578.00
2430 Camino Ramon	Location : Sausage Factory
San Ramon, Ca 94583	Level : II

Sample ID	Lab ID
B-13-5.0'	212613-001
B-13-12.0'	212613-002
B-13-16.0'	212613-003
B-13-19.0'	212613-004
B-13-24.0'	212613-005
B-14-5.0'	212613-006
B-14-12.0'	212613-007
B-14-16.0'	212613-008
B-14-20.0'	212613-009
B-14-24.0'	212613-010
B-14-28.0'	212613-011
B-15-5.0'	212613-012
B-15-12.0'	212613-013

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. This report may be reproduced only in its entirety.

Signature: _____ Date: 06/11/2009
Project Manager

Signature: _____ Date: 06/11/2009
Senior Program Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**212613**
Client:	**Bureau Veritas North America**
Project:	**33104-004578.00**
Location:	**Sausage Factory**
Request Date:	**06/05/09**
Samples Received:	**06/04/09**

This data package contains sample and QC results for three soil samples, requested for the above referenced project on 06/05/09. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

8.0

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

CHAIN OF CUSTODY

Page _____ of _____

C & T LOGIN #: 212613

Sampler: Jeremy Wilson
Project No.: 33164-004578.00 — Report To: Tim Bodkin
Project Name: Former Lenoine Sausage Factory — Company: Bureau Veritas
Project P.O.: — Telephone: 925-426-2600
Turnaround Time: — Fax: 925-426-0106

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste	# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE	Analysis: TPH-g + BTEX 8021B	VOCs 8260B
1	B-13-5.0'	6.4.09 845	X			3				X	X	X
2	B-13-12.0'	6.4.09 915	X			3				X	HOLD	
3	B-13-16.0'	6.4.09 955	X			3				X	HOLD	
4	B-13-19.0'	6.4.09 1035	X			3				X	HOLD	
5	B-13-24.0'	6.4.09 1110	X			3				X	HOLD	
6	B-14-5.0'	6.4.09 1155	X			3				X	X	X
7	B-14-12.0'	6.4.09 1218	X			3				X	HOLD	
8	B-14-16.0'	6.4.09 1240	X			3				X	HOLD	
9	B-14-20.0'	6.4.09 1307	X			3				X	HOLD	
10	B-14-24.0'	6.4.09 1330	X			3				X	HOLD	
11	B-14-28.0'	6.4.09 1442	X			3				X	HOLD	
12	B-15-5.0'	6.4.09 1530	X			3				X	X	X
13	B-15-12.0'	6.4.09 1608	X			3				X	HOLD	

Notes:
Cancel gasoline per Tim Bodkin.

SAMPLE RECEIPT
☐ Intact ☐ Cold
☐ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
6.4.09 1905 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
6/4/09 1905 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 212613 Date Received 6/4/09 Number of coolers 1
Client BV Project FMAR - LENOVO SAUGAH FACTORY

Date Opened 6/4/09 By (print) M. VILLANUEVA (sign)
Date Logged in 6/5/09 By (print) ↓ (sign) ↓

1. Did cooler come with a shipping slip (airbill, etc) ____ YES (NO)
   Shipping info ____
2A. Were custody seals present? ... ☐ YES (circle) on cooler on samples ☐ (NO)
   How many ____ Name ____ Date ____
2B. Were custody seals intact upon arrival? ____ YES NO (N/A)
3. Were custody papers dry and intact when received? ____ (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? ____ (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ___ (YES) NO
6. Indicate the packing in cooler: (if other, describe) ____

☐ Bubble Wrap ☐ Foam blocks ☐ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation:

Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None Temp(°C) ____

☑ Samples Received on ice & cold without a temperature blank

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? ____ (YES) NO
   If YES, what time were they transferred to freezer? 2030
9. Did all bottles arrive unbroken/unopened? ____ (YES) NO
10. Are samples in the appropriate containers for indicated tests? ____ (YES) NO
11. Are sample labels present, in good condition and complete? ____ (YES) NO
12. Do the sample labels agree with custody papers? ____ (YES) NO
13. Was sufficient amount of sample sent for tests requested? ____ (YES) NO
14. Are the samples appropriately preserved? ____ YES NO (N/A)
15. Are bubbles > 6mm absent in VOA samples? ____ YES NO (N/A)
16. Was the client contacted concerning this sample delivery? ____ YES NO
   If YES, Who was called? ____ By ____ Date: ____

COMMENTS

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212613	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-13-5.0'	Diln Fac:	0.8726
Lab ID:	212613-001	Batch#:	151708
Matrix:	Soil	Sampled:	06/04/09
Units:	ug/Kg	Received:	06/04/09
Basis:	as received	Analyzed:	06/05/09

Analyte	Result	RL
Freon 12	ND	8.7
Chloromethane	ND	8.7
Vinyl Chloride	ND	8.7
Bromomethane	ND	8.7
Chloroethane	ND	8.7
Trichlorofluoromethane	ND	4.4
Acetone	ND	17
Freon 113	ND	4.4
1,1-Dichloroethene	ND	4.4
Methylene Chloride	ND	17
Carbon Disulfide	ND	4.4
MTBE	ND	4.4
trans-1,2-Dichloroethene	ND	4.4
Vinyl Acetate	ND	44
1,1-Dichloroethane	ND	4.4
2-Butanone	ND	8.7
cis-1,2-Dichloroethene	ND	4.4
2,2-Dichloropropane	ND	4.4
Chloroform	ND	4.4
Bromochloromethane	ND	4.4
1,1,1-Trichloroethane	ND	4.4
1,1-Dichloropropene	ND	4.4
Carbon Tetrachloride	ND	4.4
1,2-Dichloroethane	ND	4.4
Benzene	ND	4.4
Trichloroethene	ND	4.4
1,2-Dichloropropane	ND	4.4
Bromodichloromethane	ND	4.4
Dibromomethane	ND	4.4
4-Methyl-2-Pentanone	ND	8.7
cis-1,3-Dichloropropene	ND	4.4
Toluene	ND	4.4
trans-1,3-Dichloropropene	ND	4.4
1,1,2-Trichloroethane	ND	4.4
2-Hexanone	ND	8.7
1,3-Dichloropropane	ND	4.4
Tetrachloroethene	ND	4.4

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212613	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-13-5.0'	Diln Fac:	0.8726
Lab ID:	212613-001	Batch#:	151708
Matrix:	Soil	Sampled:	06/04/09
Units:	ug/Kg	Received:	06/04/09
Basis:	as received	Analyzed:	06/05/09

Analyte	Result	RL
Dibromochloromethane	ND	4.4
1,2-Dibromoethane	ND	4.4
Chlorobenzene	ND	4.4
1,1,1,2-Tetrachloroethane	ND	4.4
Ethylbenzene	ND	4.4
m,p-Xylenes	ND	4.4
o-Xylene	ND	4.4
Styrene	ND	4.4
Bromoform	ND	4.4
Isopropylbenzene	ND	4.4
1,1,2,2-Tetrachloroethane	ND	4.4
1,2,3-Trichloropropane	ND	4.4
Propylbenzene	ND	4.4
Bromobenzene	ND	4.4
1,3,5-Trimethylbenzene	ND	4.4
2-Chlorotoluene	ND	4.4
4-Chlorotoluene	ND	4.4
tert-Butylbenzene	ND	4.4
1,2,4-Trimethylbenzene	ND	4.4
sec-Butylbenzene	ND	4.4
para-Isopropyl Toluene	ND	4.4
1,3-Dichlorobenzene	ND	4.4
1,4-Dichlorobenzene	ND	4.4
n-Butylbenzene	ND	4.4
1,2-Dichlorobenzene	ND	4.4
1,2-Dibromo-3-Chloropropane	ND	4.4
1,2,4-Trichlorobenzene	ND	4.4
Hexachlorobutadiene	ND	4.4
Naphthalene	ND	4.4
1,2,3-Trichlorobenzene	ND	4.4

Surrogate	%REC	Limits
Dibromofluoromethane	99	71-128
1,2-Dichloroethane-d4	102	69-135
Toluene-d8	108	80-120
Bromofluorobenzene	102	77-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212613	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-14-5.0'	Diln Fac:	0.9025
Lab ID:	212613-006	Batch#:	151708
Matrix:	Soil	Sampled:	06/04/09
Units:	ug/Kg	Received:	06/04/09
Basis:	as received	Analyzed:	06/05/09

Analyte	Result	RL
Freon 12	ND	9.0
Chloromethane	ND	9.0
Vinyl Chloride	ND	9.0
Bromomethane	ND	9.0
Chloroethane	ND	9.0
Trichlorofluoromethane	ND	4.5
Acetone	ND	18
Freon 113	ND	4.5
1,1-Dichloroethene	ND	4.5
Methylene Chloride	ND	18
Carbon Disulfide	ND	4.5
MTBE	ND	4.5
trans-1,2-Dichloroethene	ND	4.5
Vinyl Acetate	ND	45
1,1-Dichloroethane	ND	4.5
2-Butanone	ND	9.0
cis-1,2-Dichloroethene	ND	4.5
2,2-Dichloropropane	ND	4.5
Chloroform	ND	4.5
Bromochloromethane	ND	4.5
1,1,1-Trichloroethane	ND	4.5
1,1-Dichloropropene	ND	4.5
Carbon Tetrachloride	ND	4.5
1,2-Dichloroethane	ND	4.5
Benzene	ND	4.5
Trichloroethene	ND	4.5
1,2-Dichloropropane	ND	4.5
Bromodichloromethane	ND	4.5
Dibromomethane	ND	4.5
4-Methyl-2-Pentanone	ND	9.0
cis-1,3-Dichloropropene	ND	4.5
Toluene	ND	4.5
trans-1,3-Dichloropropene	ND	4.5
1,1,2-Trichloroethane	ND	4.5
2-Hexanone	ND	9.0
1,3-Dichloropropane	ND	4.5
Tetrachloroethene	ND	4.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212613	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-14-5.0'	Diln Fac:	0.9025
Lab ID:	212613-006	Batch#:	151708
Matrix:	Soil	Sampled:	06/04/09
Units:	ug/Kg	Received:	06/04/09
Basis:	as received	Analyzed:	06/05/09

Analyte	Result	RL
Dibromochloromethane	ND	4.5
1,2-Dibromoethane	ND	4.5
Chlorobenzene	ND	4.5
1,1,1,2-Tetrachloroethane	ND	4.5
Ethylbenzene	ND	4.5
m,p-Xylenes	ND	4.5
o-Xylene	ND	4.5
Styrene	ND	4.5
Bromoform	ND	4.5
Isopropylbenzene	ND	4.5
1,1,2,2-Tetrachloroethane	ND	4.5
1,2,3-Trichloropropane	ND	4.5
Propylbenzene	ND	4.5
Bromobenzene	ND	4.5
1,3,5-Trimethylbenzene	ND	4.5
2-Chlorotoluene	ND	4.5
4-Chlorotoluene	ND	4.5
tert-Butylbenzene	ND	4.5
1,2,4-Trimethylbenzene	ND	4.5
sec-Butylbenzene	ND	4.5
para-Isopropyl Toluene	ND	4.5
1,3-Dichlorobenzene	ND	4.5
1,4-Dichlorobenzene	ND	4.5
n-Butylbenzene	ND	4.5
1,2-Dichlorobenzene	ND	4.5
1,2-Dibromo-3-Chloropropane	ND	4.5
1,2,4-Trichlorobenzene	ND	4.5
Hexachlorobutadiene	ND	4.5
Naphthalene	ND	4.5
1,2,3-Trichlorobenzene	ND	4.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	71-128
1,2-Dichloroethane-d4	106	69-135
Toluene-d8	102	80-120
Bromofluorobenzene	104	77-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212613	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-15-5.0'	Diln Fac:	0.9381
Lab ID:	212613-012	Batch#:	151708
Matrix:	Soil	Sampled:	06/04/09
Units:	ug/Kg	Received:	06/04/09
Basis:	as received	Analyzed:	06/05/09

Analyte	Result	RL
Freon 12	ND	9.4
Chloromethane	ND	9.4
Vinyl Chloride	ND	9.4
Bromomethane	ND	9.4
Chloroethane	ND	9.4
Trichlorofluoromethane	ND	4.7
Acetone	ND	19
Freon 113	ND	4.7
1,1-Dichloroethene	ND	4.7
Methylene Chloride	ND	19
Carbon Disulfide	ND	4.7
MTBE	ND	4.7
trans-1,2-Dichloroethene	ND	4.7
Vinyl Acetate	ND	47
1,1-Dichloroethane	ND	4.7
2-Butanone	ND	9.4
cis-1,2-Dichloroethene	ND	4.7
2,2-Dichloropropane	ND	4.7
Chloroform	ND	4.7
Bromochloromethane	ND	4.7
1,1,1-Trichloroethane	ND	4.7
1,1-Dichloropropene	ND	4.7
Carbon Tetrachloride	ND	4.7
1,2-Dichloroethane	ND	4.7
Benzene	ND	4.7
Trichloroethene	ND	4.7
1,2-Dichloropropane	ND	4.7
Bromodichloromethane	ND	4.7
Dibromomethane	ND	4.7
4-Methyl-2-Pentanone	ND	9.4
cis-1,3-Dichloropropene	ND	4.7
Toluene	ND	4.7
trans-1,3-Dichloropropene	ND	4.7
1,1,2-Trichloroethane	ND	4.7
2-Hexanone	ND	9.4
1,3-Dichloropropane	ND	4.7
Tetrachloroethene	ND	4.7

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212613	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-15-5.0'	Diln Fac:	0.9381
Lab ID:	212613-012	Batch#:	151708
Matrix:	Soil	Sampled:	06/04/09
Units:	ug/Kg	Received:	06/04/09
Basis:	as received	Analyzed:	06/05/09

Analyte	Result	RL
Dibromochloromethane	ND	4.7
1,2-Dibromoethane	ND	4.7
Chlorobenzene	ND	4.7
1,1,1,2-Tetrachloroethane	ND	4.7
Ethylbenzene	ND	4.7
m,p-Xylenes	ND	4.7
o-Xylene	ND	4.7
Styrene	ND	4.7
Bromoform	ND	4.7
Isopropylbenzene	ND	4.7
1,1,2,2-Tetrachloroethane	ND	4.7
1,2,3-Trichloropropane	ND	4.7
Propylbenzene	ND	4.7
Bromobenzene	ND	4.7
1,3,5-Trimethylbenzene	ND	4.7
2-Chlorotoluene	ND	4.7
4-Chlorotoluene	ND	4.7
tert-Butylbenzene	ND	4.7
1,2,4-Trimethylbenzene	ND	4.7
sec-Butylbenzene	ND	4.7
para-Isopropyl Toluene	ND	4.7
1,3-Dichlorobenzene	ND	4.7
1,4-Dichlorobenzene	ND	4.7
n-Butylbenzene	ND	4.7
1,2-Dichlorobenzene	ND	4.7
1,2-Dibromo-3-Chloropropane	ND	4.7
1,2,4-Trichlorobenzene	ND	4.7
Hexachlorobutadiene	ND	4.7
Naphthalene	ND	4.7
1,2,3-Trichlorobenzene	ND	4.7

Surrogate	%REC	Limits
Dibromofluoromethane	105	71-128
1,2-Dichloroethane-d4	109	69-135
Toluene-d8	107	80-120
Bromofluorobenzene	92	77-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212613	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC498857	Batch#:	151708
Matrix:	Soil	Analyzed:	06/05/09
Units:	ug/Kg		

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212613	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC498857	Batch#:	151708
Matrix:	Soil	Analyzed:	06/05/09
Units:	ug/Kg		

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	105	71-128
1,2-Dichloroethane-d4	109	69-135
Toluene-d8	110	80-120
Bromofluorobenzene	104	77-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212613	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Matrix:	Soil	Batch#:	151708
Units:	ug/Kg	Analyzed:	06/05/09
Diln Fac:	1.000		

Type: BS Lab ID: QC498858

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	28.99	116	73-135
Benzene	25.00	29.17	117	80-125
Trichloroethene	25.00	28.23	113	80-127
Toluene	25.00	28.86	115	80-126
Chlorobenzene	25.00	25.41	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	103	71-128
1,2-Dichloroethane-d4	101	69-135
Toluene-d8	108	80-120
Bromofluorobenzene	98	77-131

Type: BSD Lab ID: QC498859

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	29.43	118	73-135	2	20
Benzene	25.00	29.18	117	80-125	0	20
Trichloroethene	25.00	27.67	111	80-127	2	20
Toluene	25.00	28.93	116	80-126	0	20
Chlorobenzene	25.00	25.58	102	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	106	71-128
1,2-Dichloroethane-d4	101	69-135
Toluene-d8	104	80-120
Bromofluorobenzene	101	77-131

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212613	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	151708
MSS Lab ID:	212621-002	Sampled:	06/05/09
Matrix:	Miscell.	Received:	06/05/09
Units:	ug/Kg	Analyzed:	06/05/09
Basis:	as received		

Type: MS Diln Fac: 0.8881
Lab ID: QC498989

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.8929	44.40	42.14	95	58-145
Benzene	7.751	44.40	46.14	86	56-126
Trichloroethene	<0.8929	44.40	42.58	96	50-142
Toluene	19.04	44.40	52.69	76	52-125
Chlorobenzene	<0.8929	44.40	35.76	81	46-120

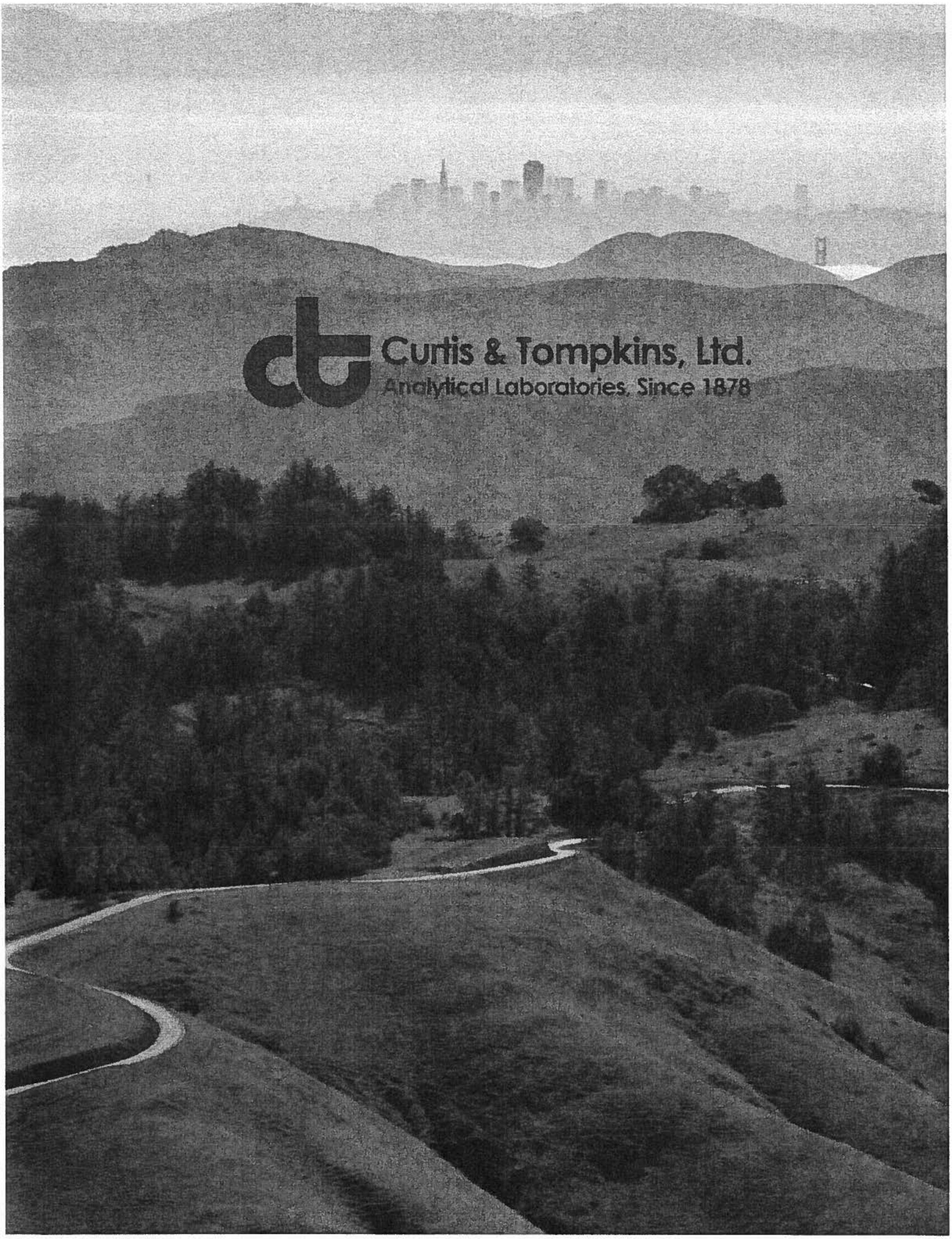
Surrogate	%REC	Limits
Dibromofluoromethane	99	71-128
1,2-Dichloroethane-d4	94	69-135
Toluene-d8	99	80-120
Bromofluorobenzene	96	77-131

Type: MSD Diln Fac: 0.8929
Lab ID: QC498990

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	44.64	44.97	101	58-145	6	28
Benzene	44.64	50.87	97	56-126	9	26
Trichloroethene	44.64	48.14	108	50-142	12	29
Toluene	44.64	60.63	93	52-125	14	29
Chlorobenzene	44.64	39.12	88	46-120	8	29

Surrogate	%REC	Limits
Dibromofluoromethane	93	71-128
1,2-Dichloroethane-d4	86	69-135
Toluene-d8	100	80-120
Bromofluorobenzene	99	77-131

RPD= Relative Percent Difference


Curtis & Tompkins, Ltd.
Analytical Laboratories. Since 1878

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

Laboratory Job Number 212654
ANALYTICAL REPORT

Bureau Veritas North America
2430 Camino Ramon
San Ramon, Ca 94583

Project : 33104-004578.00
Location : Sausage Factory
Level : II

Sample ID	Lab ID
B-11-5.0'	212654-001
B-11-22'	212654-002
SVGW-4-5.0'	212654-003
SVGW-4-9.0'	212654-004
B-16-5.0'	212654-005
B-16-22.0'	212654-006
B-17-5.0'	212654-007
B-18-5.0'	212654-008
B-16-18'	212654-009

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. This report may be reproduced only in its entirety.

Signature: _____ Date: 06/11/2009
Project Manager

Signature: _____ Date: 06/11/2009
Senior Program Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**212654**
Client:	**Bureau Veritas North America**
Project:	**33104-004578.00**
Location:	**Sausage Factory**
Request Date:	**06/08/09**
Samples Received:	**06/05/09**

This data package contains sample and QC results for three soil samples, requested for the above referenced project on 06/08/09. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

No analytical problems were encountered.

212654

Bureau Veritas North America, Inc.

INTERDEPARTMENTAL INTERNAL CHAIN-OF-CUSTODY

IMPORTANT
Date Results Requested: _____
Rush Charges Authorized? ☐ Yes ☐ No

For Bureau Veritas Use Only
Project No.

INTERNAL DEPARTMENTAL INFORMATION
Consultant's Name: Jeremy Wilson
Consultant's Office Location: San Ramon
Internal Project No.: 331104.004598.00.___

OUTSIDE CLIENT INFORMATION
Vision Client Code:
Company Name:
Client Name:
Mailing Address: Telephone No.: 925-926-7600
City, State, Zip:

PRICING INFORMATION
☐ Fee Schedule Price
☐ Discount Price off list _____
☐ Special Price Attached

Send Report to:
☐ Client ☐ Internal Office
Send Via:
☐ Reg. Mail ☐ Overnight Mail ☐ Email
☐ Fax Fax #_____

Special Instructions:
Report to Tim Bodkin

Soil Samples Only: Which state are these from? _____

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)	ENCORE Number of Containers	VOCs 8260									FOR LAB USE ONLY
1	B-11-5.0'	6-5-09	1320	Soil		3	HOLD									
2	B-11-22'	6-5-09	1345	Soil		3	HOLD									
3	SVGW-4-5.0'	"	1520	"		3	HOLD									
4	SVGW-4-9.0'	"	1525	"		3	HOLD									
5	B-16-5.0'	"	821	"			X									
6	B-16-22.0'	"	1010	"		3	HOLD									
7	B-17-5.0'	"	1035	"		3	X									
8	B-18-5.0'	"	1447	"		3	X									

CHAIN OF CUSTODY

Collected by: Jeremy Wilson (print)	Collector's Signature		
Relinquished by:	Date/Time 6-5-09 1903	Received by:	Date/Time 6-5-09 1903
Relinquished by:	Date/Time	Received by:	Date/Time
Authorized by:	Date	Sample Condition Upon Receipt: ☐ Acceptable ☐ Other (explain)	

(Client Signature **MUST** Accompany Request)

Please return completed form and samples to one of the Bureau Veritas North America, Inc. locations below:
Detroit Lab: (800) 806-5887
Atlanta Lab: (800) 252-9919

Distribution:
White & Yellow: Lab
Pink: Consultant

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 212654 Date Received 6/5/09 Number of coolers 1
Client BUREAU VERITAS Project PPMR. SHUSHINE FACTORY

Date Opened 6/5/09 By (print) M. VILLAVICENCIO (sign)
Date Logged in 6/8/09 By (print) S EVANS (sign)

1. Did cooler come with a shipping slip (airbill, etc) _____ YES (NO)
   Shipping info _____

2A. Were custody seals present? ... ☐ YES (circle) on cooler on samples ☐ (NO)
   How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? _____ YES NO (N/A)
3. Were custody papers dry and intact when received? _____ YES NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ YES NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ___ YES NO
6. Indicate the packing in cooler: (if other, describe) _____

☐ Bubble Wrap ☑ Foam blocks ☑ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation:

Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None Temp(°C) _____

☑ Samples Received on ice & cold without a temperature blank

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ (YES) NO
   If YES, what time were they transferred to freezer? 2030
9. Did all bottles arrive unbroken/unopened? _____ (YES) NO
10. Are samples in the appropriate containers for indicated tests? _____ (YES) NO
11. Are sample labels present, in good condition and complete? _____ (YES) NO
12. Do the sample labels agree with custody papers? _____ (YES) NO
13. Was sufficient amount of sample sent for tests requested? _____ (YES) NO
14. Are the samples appropriately preserved? _____ (YES) NO N/A
15. Are bubbles > 6mm absent in VOA samples? _____ (YES) NO N/A
16. Was the client contacted concerning this sample delivery? _____ YES (NO)
   If YES, Who was called? _____ By _____ Date: _____

COMMENTS
FIELD SAMPLE NOT ON COC ID# B-16-18' IN ZIPLOC BAG SOIL NOT ENCORE

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212654	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-16-5.0'	Diln Fac:	0.8432
Lab ID:	212654-005	Batch#:	151799
Matrix:	Soil	Sampled:	06/05/09
Units:	ug/Kg	Received:	06/05/09
Basis:	as received	Analyzed:	06/09/09

Analyte	Result	RL
Freon 12	ND	8.4
Chloromethane	ND	8.4
Vinyl Chloride	ND	8.4
Bromomethane	ND	8.4
Chloroethane	ND	8.4
Trichlorofluoromethane	ND	4.2
Acetone	ND	17
Freon 113	ND	4.2
1,1-Dichloroethene	ND	4.2
Methylene Chloride	ND	17
Carbon Disulfide	ND	4.2
MTBE	ND	4.2
trans-1,2-Dichloroethene	ND	4.2
Vinyl Acetate	ND	42
1,1-Dichloroethane	ND	4.2
2-Butanone	ND	8.4
cis-1,2-Dichloroethene	ND	4.2
2,2-Dichloropropane	ND	4.2
Chloroform	ND	4.2
Bromochloromethane	ND	4.2
1,1,1-Trichloroethane	ND	4.2
1,1-Dichloropropene	ND	4.2
Carbon Tetrachloride	ND	4.2
1,2-Dichloroethane	ND	4.2
Benzene	ND	4.2
Trichloroethene	ND	4.2
1,2-Dichloropropane	ND	4.2
Bromodichloromethane	ND	4.2
Dibromomethane	ND	4.2
4-Methyl-2-Pentanone	ND	8.4
cis-1,3-Dichloropropene	ND	4.2
Toluene	ND	4.2
trans-1,3-Dichloropropene	ND	4.2
1,1,2-Trichloroethane	ND	4.2
2-Hexanone	ND	8.4
1,3-Dichloropropane	ND	4.2
Tetrachloroethene	ND	4.2

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212654	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-16-5.0'	Diln Fac:	0.8432
Lab ID:	212654-005	Batch#:	151799
Matrix:	Soil	Sampled:	06/05/09
Units:	ug/Kg	Received:	06/05/09
Basis:	as received	Analyzed:	06/09/09

Analyte	Result	RL
Dibromochloromethane	ND	4.2
1,2-Dibromoethane	ND	4.2
Chlorobenzene	ND	4.2
1,1,1,2-Tetrachloroethane	ND	4.2
Ethylbenzene	ND	4.2
m,p-Xylenes	ND	4.2
o-Xylene	ND	4.2
Styrene	ND	4.2
Bromoform	ND	4.2
Isopropylbenzene	ND	4.2
1,1,2,2-Tetrachloroethane	ND	4.2
1,2,3-Trichloropropane	ND	4.2
Propylbenzene	ND	4.2
Bromobenzene	ND	4.2
1,3,5-Trimethylbenzene	ND	4.2
2-Chlorotoluene	ND	4.2
4-Chlorotoluene	ND	4.2
tert-Butylbenzene	ND	4.2
1,2,4-Trimethylbenzene	ND	4.2
sec-Butylbenzene	ND	4.2
para-Isopropyl Toluene	ND	4.2
1,3-Dichlorobenzene	ND	4.2
1,4-Dichlorobenzene	ND	4.2
n-Butylbenzene	ND	4.2
1,2-Dichlorobenzene	ND	4.2
1,2-Dibromo-3-Chloropropane	ND	4.2
1,2,4-Trichlorobenzene	ND	4.2
Hexachlorobutadiene	ND	4.2
Naphthalene	ND	4.2
1,2,3-Trichlorobenzene	ND	4.2

Surrogate	%REC	Limits
Dibromofluoromethane	102	71-128
1,2-Dichloroethane-d4	101	69-135
Toluene-d8	107	80-120
Bromofluorobenzene	102	77-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212654	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-17-5.0'	Diln Fac:	0.8237
Lab ID:	212654-007	Batch#:	151799
Matrix:	Soil	Sampled:	06/05/09
Units:	ug/Kg	Received:	06/05/09
Basis:	as received	Analyzed:	06/09/09

Analyte	Result	RL
Freon 12	ND	8.2
Chloromethane	ND	8.2
Vinyl Chloride	ND	8.2
Bromomethane	ND	8.2
Chloroethane	ND	8.2
Trichlorofluoromethane	ND	4.1
Acetone	ND	16
Freon 113	ND	4.1
1,1-Dichloroethene	ND	4.1
Methylene Chloride	ND	16
Carbon Disulfide	ND	4.1
MTBE	ND	4.1
trans-1,2-Dichloroethene	ND	4.1
Vinyl Acetate	ND	41
1,1-Dichloroethane	ND	4.1
2-Butanone	ND	8.2
cis-1,2-Dichloroethene	ND	4.1
2,2-Dichloropropane	ND	4.1
Chloroform	ND	4.1
Bromochloromethane	ND	4.1
1,1,1-Trichloroethane	ND	4.1
1,1-Dichloropropene	ND	4.1
Carbon Tetrachloride	ND	4.1
1,2-Dichloroethane	ND	4.1
Benzene	ND	4.1
Trichloroethene	ND	4.1
1,2-Dichloropropane	ND	4.1
Bromodichloromethane	ND	4.1
Dibromomethane	ND	4.1
4-Methyl-2-Pentanone	ND	8.2
cis-1,3-Dichloropropene	ND	4.1
Toluene	ND	4.1
trans-1,3-Dichloropropene	ND	4.1
1,1,2-Trichloroethane	ND	4.1
2-Hexanone	ND	8.2
1,3-Dichloropropane	ND	4.1
Tetrachloroethene	ND	4.1

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212654	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-17-5.0'	Diln Fac:	0.8237
Lab ID:	212654-007	Batch#:	151799
Matrix:	Soil	Sampled:	06/05/09
Units:	ug/Kg	Received:	06/05/09
Basis:	as received	Analyzed:	06/09/09

Analyte	Result	RL
Dibromochloromethane	ND	4.1
1,2-Dibromoethane	ND	4.1
Chlorobenzene	ND	4.1
1,1,1,2-Tetrachloroethane	ND	4.1
Ethylbenzene	ND	4.1
m,p-Xylenes	ND	4.1
o-Xylene	ND	4.1
Styrene	ND	4.1
Bromoform	ND	4.1
Isopropylbenzene	ND	4.1
1,1,2,2-Tetrachloroethane	ND	4.1
1,2,3-Trichloropropane	ND	4.1
Propylbenzene	ND	4.1
Bromobenzene	ND	4.1
1,3,5-Trimethylbenzene	ND	4.1
2-Chlorotoluene	ND	4.1
4-Chlorotoluene	ND	4.1
tert-Butylbenzene	ND	4.1
1,2,4-Trimethylbenzene	ND	4.1
sec-Butylbenzene	ND	4.1
para-Isopropyl Toluene	ND	4.1
1,3-Dichlorobenzene	ND	4.1
1,4-Dichlorobenzene	ND	4.1
n-Butylbenzene	ND	4.1
1,2-Dichlorobenzene	ND	4.1
1,2-Dibromo-3-Chloropropane	ND	4.1
1,2,4-Trichlorobenzene	ND	4.1
Hexachlorobutadiene	ND	4.1
Naphthalene	ND	4.1
1,2,3-Trichlorobenzene	ND	4.1

Surrogate	%REC	Limits
Dibromofluoromethane	103	71-128
1,2-Dichloroethane-d4	100	69-135
Toluene-d8	107	80-120
Bromofluorobenzene	96	77-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212654	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-18-5.0'	Diln Fac:	0.4363
Lab ID:	212654-008	Batch#:	151842
Matrix:	Soil	Sampled:	06/05/09
Units:	ug/Kg	Received:	06/05/09
Basis:	as received	Analyzed:	06/10/09

Analyte	Result	RL
Freon 12	ND	4.4
Chloromethane	ND	4.4
Vinyl Chloride	ND	4.4
Bromomethane	ND	4.4
Chloroethane	ND	4.4
Trichlorofluoromethane	ND	2.2
Acetone	ND	8.7
Freon 113	ND	2.2
1,1-Dichloroethene	ND	2.2
Methylene Chloride	ND	8.7
Carbon Disulfide	ND	2.2
MTBE	ND	2.2
trans-1,2-Dichloroethene	ND	2.2
Vinyl Acetate	ND	22
1,1-Dichloroethane	ND	2.2
2-Butanone	ND	4.4
cis-1,2-Dichloroethene	ND	2.2
2,2-Dichloropropane	ND	2.2
Chloroform	ND	2.2
Bromochloromethane	ND	2.2
1,1,1-Trichloroethane	ND	2.2
1,1-Dichloropropene	ND	2.2
Carbon Tetrachloride	ND	2.2
1,2-Dichloroethane	ND	2.2
Benzene	ND	2.2
Trichloroethene	ND	2.2
1,2-Dichloropropane	ND	2.2
Bromodichloromethane	ND	2.2
Dibromomethane	ND	2.2
4-Methyl-2-Pentanone	ND	4.4
cis-1,3-Dichloropropene	ND	2.2
Toluene	ND	2.2
trans-1,3-Dichloropropene	ND	2.2
1,1,2-Trichloroethane	ND	2.2
2-Hexanone	ND	4.4
1,3-Dichloropropane	ND	2.2
Tetrachloroethene	ND	2.2

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212654	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-18-5.0'	Diln Fac:	0.4363
Lab ID:	212654-008	Batch#:	151842
Matrix:	Soil	Sampled:	06/05/09
Units:	ug/Kg	Received:	06/05/09
Basis:	as received	Analyzed:	06/10/09

Analyte	Result	RL
Dibromochloromethane	ND	2.2
1,2-Dibromoethane	ND	2.2
Chlorobenzene	ND	2.2
1,1,1,2-Tetrachloroethane	ND	2.2
Ethylbenzene	ND	2.2
m,p-Xylenes	ND	2.2
o-Xylene	ND	2.2
Styrene	ND	2.2
Bromoform	ND	2.2
Isopropylbenzene	ND	2.2
1,1,2,2-Tetrachloroethane	ND	2.2
1,2,3-Trichloropropane	ND	2.2
Propylbenzene	ND	2.2
Bromobenzene	ND	2.2
1,3,5-Trimethylbenzene	ND	2.2
2-Chlorotoluene	ND	2.2
4-Chlorotoluene	ND	2.2
tert-Butylbenzene	ND	2.2
1,2,4-Trimethylbenzene	ND	2.2
sec-Butylbenzene	ND	2.2
para-Isopropyl Toluene	ND	2.2
1,3-Dichlorobenzene	ND	2.2
1,4-Dichlorobenzene	ND	2.2
n-Butylbenzene	ND	2.2
1,2-Dichlorobenzene	ND	2.2
1,2-Dibromo-3-Chloropropane	ND	2.2
1,2,4-Trichlorobenzene	ND	2.2
Hexachlorobutadiene	ND	2.2
Naphthalene	ND	2.2
1,2,3-Trichlorobenzene	ND	2.2

Surrogate	%REC	Limits
Dibromofluoromethane	104	71-128
1,2-Dichloroethane-d4	104	69-135
Toluene-d8	110	80-120
Bromofluorobenzene	100	77-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212654	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC499217	Batch#:	151799
Matrix:	Soil	Analyzed:	06/09/09
Units:	ug/Kg		

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212654	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC499217	Batch#:	151799
Matrix:	Soil	Analyzed:	06/09/09
Units:	ug/Kg		

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	96	71-128
1,2-Dichloroethane-d4	98	69-135
Toluene-d8	106	80-120
Bromofluorobenzene	104	77-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212654	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Matrix:	Soil	Batch#:	151799
Units:	ug/Kg	Analyzed:	06/09/09
Diln Fac:	1.000		

Type: BS Lab ID: QC499218

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	28.01	112	73-135
Benzene	25.00	28.28	113	80-125
Trichloroethene	25.00	28.80	115	80-127
Toluene	25.00	28.17	113	80-126
Chlorobenzene	25.00	25.86	103	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	97	71-128
1,2-Dichloroethane-d4	89	69-135
Toluene-d8	99	80-120
Bromofluorobenzene	100	77-131

Type: BSD Lab ID: QC499219

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	27.10	108	73-135	3	20
Benzene	25.00	27.81	111	80-125	2	20
Trichloroethene	25.00	29.38	118	80-127	2	20
Toluene	25.00	28.20	113	80-126	0	20
Chlorobenzene	25.00	25.81	103	80-120	0	20

Surrogate	%REC	Limits
Dibromofluoromethane	97	71-128
1,2-Dichloroethane-d4	93	69-135
Toluene-d8	102	80-120
Bromofluorobenzene	99	77-131

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212654	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	0.9653
MSS Lab ID:	212666-001	Batch#:	151799
Matrix:	Soil	Sampled:	06/08/09
Units:	ug/Kg	Received:	06/08/09
Basis:	as received	Analyzed:	06/09/09

Type: MS Lab ID: QC499264

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.9653	48.26	51.50	107	58-145
Benzene	<0.9653	48.26	50.93	106	56-126
Trichloroethene	<0.9653	48.26	48.34	100	50-142
Toluene	<0.9653	48.26	51.40	107	52-125
Chlorobenzene	<0.9653	48.26	41.26	85	46-120

Surrogate	%REC	Limits
Dibromofluoromethane	107	71-128
1,2-Dichloroethane-d4	102	69-135
Toluene-d8	99	80-120
Bromofluorobenzene	98	77-131

Type: MSD Lab ID: QC499265

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	48.26	50.57	105	58-145	2	28
Benzene	48.26	50.22	104	56-126	1	26
Trichloroethene	48.26	48.89	101	50-142	1	29
Toluene	48.26	49.60	103	52-125	4	29
Chlorobenzene	48.26	41.41	86	46-120	0	29

Surrogate	%REC	Limits
Dibromofluoromethane	102	71-128
1,2-Dichloroethane-d4	96	69-135
Toluene-d8	101	80-120
Bromofluorobenzene	99	77-131

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212654	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC499403	Batch#:	151842
Matrix:	Soil	Analyzed:	06/10/09
Units:	ug/Kg		

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212654	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC499403	Batch#:	151842
Matrix:	Soil	Analyzed:	06/10/09
Units:	ug/Kg		

Analyte	Result	RL
Dibromochloromethane	ND	5.0
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	98	71-128
1,2-Dichloroethane-d4	106	69-135
Toluene-d8	107	80-120
Bromofluorobenzene	98	77-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212654	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Matrix:	Soil	Batch#:	151842
Units:	ug/Kg	Analyzed:	06/10/09
Diln Fac:	1.000		

Type: BS Lab ID: QC499404

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	28.09	112	73-135
Benzene	25.00	29.98	120	80-125
Trichloroethene	25.00	29.25	117	80-127
Toluene	25.00	30.00	120	80-126
Chlorobenzene	25.00	25.49	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	71-128
1,2-Dichloroethane-d4	98	69-135
Toluene-d8	102	80-120
Bromofluorobenzene	95	77-131

Type: BSD Lab ID: QC499405

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	27.56	110	73-135	2	20
Benzene	25.00	28.18	113	80-125	6	20
Trichloroethene	25.00	27.77	111	80-127	5	20
Toluene	25.00	28.71	115	80-126	4	20
Chlorobenzene	25.00	25.04	100	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	100	71-128
1,2-Dichloroethane-d4	97	69-135
Toluene-d8	106	80-120
Bromofluorobenzene	103	77-131

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212654	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5035
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Diln Fac:	0.9940
MSS Lab ID:	212692-001	Batch#:	151842
Matrix:	Soil	Sampled:	06/09/09
Units:	ug/Kg	Received:	06/09/09
Basis:	as received	Analyzed:	06/10/09

Type: MS Lab ID: QC499501

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.9940	49.70	52.80	106	58-145
Benzene	<0.9940	49.70	53.61	108	56-126
Trichloroethene	<0.9940	49.70	51.63	104	50-142
Toluene	<0.9940	49.70	51.92	104	52-125
Chlorobenzene	<0.9940	49.70	40.98	82	46-120

Surrogate	%REC	Limits
Dibromofluoromethane	107	71-128
1,2-Dichloroethane-d4	98	69-135
Toluene-d8	98	80-120
Bromofluorobenzene	101	77-131

Type: MSD Lab ID: QC499502

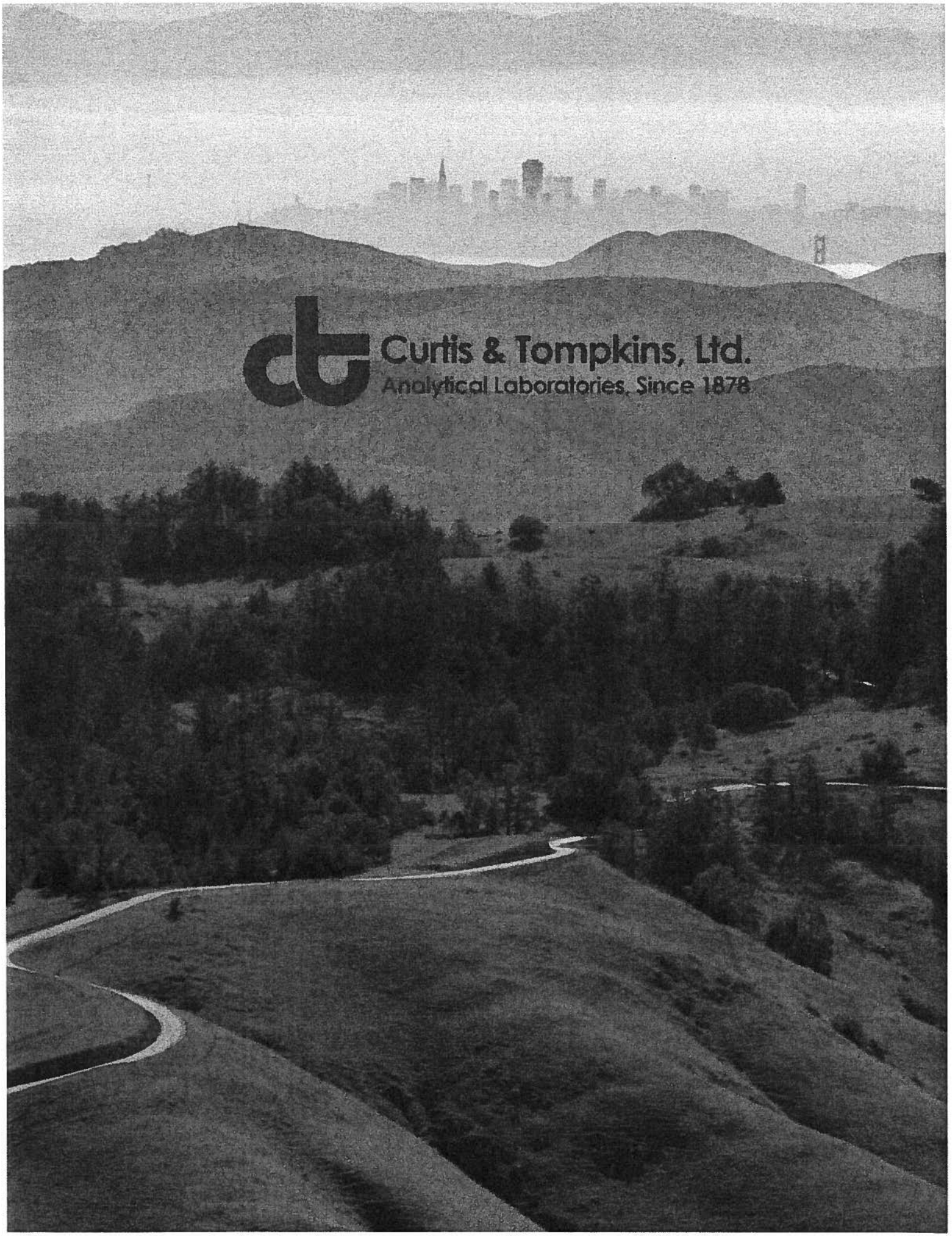
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	49.70	57.24	115	58-145	8	28
Benzene	49.70	54.34	109	56-126	1	26
Trichloroethene	49.70	53.01	107	50-142	3	29
Toluene	49.70	50.00	101	52-125	4	29
Chlorobenzene	49.70	41.84	84	46-120	2	29

Surrogate	%REC	Limits
Dibromofluoromethane	103	71-128
1,2-Dichloroethane-d4	96	69-135
Toluene-d8	98	80-120
Bromofluorobenzene	99	77-131

RPD= Relative Percent Difference

APPENDIX K

CHAIN-OF-CUSTODY DOCUMENTATION AND CERTIFIED ANALYTICAL RESULTS FOR GROUNDWATER


Curtis & Tompkins, Ltd.
Analytical Laboratories. Since 1878

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

Laboratory Job Number 212656
ANALYTICAL REPORT

Bureau Veritas North America
2430 Camino Ramon
San Ramon, Ca 94583

Project : 33104-004578.00
Location : Sausage Factory
Level : II

Sample ID	Lab ID
B-12	212656-001
B-11	212656-002
B-14	212656-003
B-16	212656-004
B-17	212656-005
B-18	212656-006
B-19	212656-007

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. This report may be reproduced only in its entirety.

Signature: _____ Date: 06/18/2009
Project Manager

Signature: _____ Date: 06/18/2009
Senior Program Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**212656**
Client:	**Bureau Veritas North America**
Project:	**33104-004578.00**
Location:	**Sausage Factory**
Request Date:	**06/08/09**
Samples Received:	**06/05/09**

This data package contains sample and QC results for seven water samples, requested for the above referenced project on 06/08/09. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B):
High surrogate recovery was observed for trifluorotoluene (FID) in B-16 (lab # 212656-004); the corresponding bromofluorobenzene (FID) surrogate recovery was within limits. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

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

CHAIN OF CUSTODY

C & T LOGIN #: 212656

Sampler: Jeremy Wilson / Tim Bodkin
Project No.: 33104-004578.01
Report To: Tim Bodkin
Project Name: Former Sausage Factory
Company: Burns Henders
Project P.O.:
Telephone: 925-426-2600
Turnaround Time: Standard
Fax: 925-426-0106

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste	# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE	Analysis: TPH-g +BTEX 8021B	VOCs 8260B
1	B-12	6-5-09 1150		X		6	X			X	X	X
2	B-11	6-5-09 1350		X		6	X			X	X	X
3	B-14	6-5-09 745		X		6	X			X	X	X
4	B-16	6-5-09 1040		X		6	X			X	X	X
5	B-17	6-5-09 1355		X		6	X			X	X	X
6	B-18	6-5-09 1700		X		6	X			X	X	X
7	B-19	6-5-09 1300		X		6	X			X	X	X

Notes:

SAMPLE RECEIPT
☐ Intact ☐ Cold
☐ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
6-5-09 1903 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
6-5-09 1903 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 212656 Date Received 6/5/09 Number of coolers 1
Client BUREAU VERITAS Project PMR. SUSQUE FACTORY

Date Opened 6/5/09 By (print) M. VILLAVICENCIO (sign)
Date Logged in 6/10/09 By (print) ↓ (sign) ↓

1. Did cooler come with a shipping slip (airbill, etc) YES (NO)
   Shipping info
2A. Were custody seals present? ... ☐ YES (circle) on cooler on samples ☐ (NO)
   How many Name Date
2B. Were custody seals intact upon arrival? YES NO (N/A)
3. Were custody papers dry and intact when received? (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) (YES) NO
6. Indicate the packing in cooler: (if other, describe)

   ☐ Bubble Wrap ☑ Foam blocks ☑ Bags ☐ None
   ☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation:

   Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None Temp(°C)

   ☑ Samples Received on ice & cold without a temperature blank

   ☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? YES (NO)
   If YES, what time were they transferred to freezer?
9. Did all bottles arrive unbroken/unopened? (YES) NO
10. Are samples in the appropriate containers for indicated tests? (YES) NO
11. Are sample labels present, in good condition and complete? (YES) NO
12. Do the sample labels agree with custody papers? (YES) NO
13. Was sufficient amount of sample sent for tests requested? (YES) NO
14. Are the samples appropriately preserved? (YES) NO N/A
15. Are bubbles > 6mm absent in VOA samples? (YES) NO N/A
16. Was the client contacted concerning this sample delivery? YES NO
    If YES, Who was called? By Date:

COMMENTS
SEDIMENT IN SAMPLES

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Matrix:	Water	Sampled:	06/05/09
Units:	ug/L	Received:	06/05/09

Field ID:	B-12	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	151858
Lab ID:	212656-001	Analyzed:	06/10/09

Analyte	Result	RL	Analysis
Gasoline C7-C12	57 Y	50	EPA 8015B
Benzene	5.7	0.50	EPA 8021B
Toluene	0.70	0.50	EPA 8021B
Ethylbenzene	0.59	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	106	63-146	EPA 8015B
Bromofluorobenzene (FID)	105	70-140	EPA 8015B
Trifluorotoluene (PID)	68	50-140	EPA 8021B
Bromofluorobenzene (PID)	73	56-132	EPA 8021B

Field ID:	B-11	Diln Fac:	20.00
Type:	SAMPLE	Batch#:	151858
Lab ID:	212656-002	Analyzed:	06/10/09

Analyte	Result	RL	Analysis
Gasoline C7-C12	46,000	1,000	EPA 8015B
Benzene	510 C	10	EPA 8021B
Toluene	690	10	EPA 8021B
Ethylbenzene	970	10	EPA 8021B
m,p-Xylenes	2,600	10	EPA 8021B
o-Xylene	570	10	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	142	63-146	EPA 8015B
Bromofluorobenzene (FID)	115	70-140	EPA 8015B
Trifluorotoluene (PID)	110	50-140	EPA 8021B
Bromofluorobenzene (PID)	77	56-132	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Matrix:	Water	Sampled:	06/05/09
Units:	ug/L	Received:	06/05/09

Field ID: B-14 Lab ID: 212656-003
Type: SAMPLE

Analyte	Result	RL	Diln Fac	Batch#	Analyzed	Analysis
Gasoline C7-C12	26,000	500	10.00	151858	06/10/09	EPA 8015B
Benzene	4,800	10	20.00	151940	06/12/09	EPA 8021B
Toluene	42	5.0	10.00	151858	06/10/09	EPA 8021B
Ethylbenzene	460	5.0	10.00	151858	06/10/09	EPA 8021B
m,p-Xylenes	400	5.0	10.00	151858	06/10/09	EPA 8021B
o-Xylene	15	5.0	10.00	151858	06/10/09	EPA 8021B

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed	Analysis
Trifluorotoluene (FID)	120	63-146	10.00	151858	06/10/09	EPA 8015B
Bromofluorobenzene (FID)	101	70-140	10.00	151858	06/10/09	EPA 8015B
Trifluorotoluene (PID)	93	50-140	10.00	151858	06/10/09	EPA 8021B
Bromofluorobenzene (PID)	71	56-132	10.00	151858	06/10/09	EPA 8021B

Field ID: B-16 Diln Fac: 10.00
Type: SAMPLE Batch#: 151858
Lab ID: 212656-004 Analyzed: 06/10/09

Analyte	Result	RL	Analysis
Gasoline C7-C12	38,000	500	EPA 8015B
Benzene	760	5.0	EPA 8021B
Toluene	ND	5.0	EPA 8021B
Ethylbenzene	1,700	5.0	EPA 8021B
m,p-Xylenes	760	5.0	EPA 8021B
o-Xylene	68	5.0	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	153 *	63-146	EPA 8015B
Bromofluorobenzene (FID)	139	70-140	EPA 8015B
Trifluorotoluene (PID)	75	50-140	EPA 8021B
Bromofluorobenzene (PID)	93	56-132	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Matrix:	Water	Sampled:	06/05/09
Units:	ug/L	Received:	06/05/09

Field ID:	B-17	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	151858
Lab ID:	212656-005	Analyzed:	06/10/09

Analyte	Result	RL	Analysis
Gasoline C7-C12	120 Y	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	108	63-146	EPA 8015B
Bromofluorobenzene (FID)	104	70-140	EPA 8015B
Trifluorotoluene (PID)	64	50-140	EPA 8021B
Bromofluorobenzene (PID)	67	56-132	EPA 8021B

Field ID:	B-18	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	151901
Lab ID:	212656-006	Analyzed:	06/11/09

Analyte	Result	RL	Analysis
Gasoline C7-C12	1,000	50	EPA 8015B
Benzene	65	0.50	EPA 8021B
Toluene	24	0.50	EPA 8021B
Ethylbenzene	8.4	0.50	EPA 8021B
m,p-Xylenes	38 C	0.50	EPA 8021B
o-Xylene	5.5	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	116	63-146	EPA 8015B
Bromofluorobenzene (FID)	117	70-140	EPA 8015B
Trifluorotoluene (PID)	125	50-140	EPA 8021B
Bromofluorobenzene (PID)	109	56-132	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Matrix:	Water	Sampled:	06/05/09
Units:	ug/L	Received:	06/05/09

Field ID:	B-19	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	151901
Lab ID:	212656-007	Analyzed:	06/11/09

Analyte	Result	RL	Analysis
Gasoline C7-C12	60 Y	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	82	63-146	EPA 8015B
Bromofluorobenzene (FID)	98	70-140	EPA 8015B
Trifluorotoluene (PID)	85	50-140	EPA 8021B
Bromofluorobenzene (PID)	87	56-132	EPA 8021B

Type:	BLANK	Batch#:	151858
Lab ID:	QC499467	Analyzed:	06/10/09
Diln Fac:	1.000		

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

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	103	63-146	EPA 8015B
Bromofluorobenzene (FID)	104	70-140	EPA 8015B
Trifluorotoluene (PID)	68	50-140	EPA 8021B
Bromofluorobenzene (PID)	74	56-132	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Matrix:	Water	Sampled:	06/05/09
Units:	ug/L	Received:	06/05/09

Type: BLANK
Lab ID: QC499648
Diln Fac: 1.000

Batch#: 151901
Analyzed: 06/11/09

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

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	82	63-146	EPA 8015B
Bromofluorobenzene (FID)	82	70-140	EPA 8015B
Trifluorotoluene (PID)	82	50-140	EPA 8021B
Bromofluorobenzene (PID)	82	56-132	EPA 8021B

Type: BLANK
Lab ID: QC499789
Diln Fac: 1.000

Batch#: 151940
Analyzed: 06/12/09
Analysis: EPA 8021B

Analyte	Result	RL
Benzene	ND	0.50

Surrogate	Result	%REC	Limits
Trifluorotoluene (FID)	NA		
Bromofluorobenzene (FID)	NA		
Trifluorotoluene (PID)		69	50-140
Bromofluorobenzene (PID)		73	56-132

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8021B
Matrix:	Water	Batch#:	151858
Units:	ug/L	Analyzed:	06/10/09
Diln Fac:	1.000		

Type: BS Lab ID: QC499468

Analyte	Spiked	Result	%REC	Limits
Benzene	10.00	9.425	94	79-120
Toluene	10.00	9.694	97	76-122
Ethylbenzene	10.00	8.985	90	77-125
m,p-Xylenes	10.00	9.499	95	76-126
o-Xylene	10.00	9.101	91	77-126

Surrogate	%REC	Limits
Trifluorotoluene (PID)	72	50-140
Bromofluorobenzene (PID)	73	56-132

Type: BSD Lab ID: QC499469

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	20.00	18.18	91	79-120	4	20
Toluene	20.00	18.14	91	76-122	7	21
Ethylbenzene	20.00	17.47	87	77-125	3	21
m,p-Xylenes	20.00	18.20	91	76-126	4	23
o-Xylene	20.00	17.85	89	77-126	2	21

Surrogate	%REC	Limits
Trifluorotoluene (PID)	72	50-140
Bromofluorobenzene (PID)	73	56-132

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC499470	Batch#:	151858
Matrix:	Water	Analyzed:	06/10/09
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	941.0	94	76-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	113	63-146
Bromofluorobenzene (FID)	103	70-140

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Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	151858
MSS Lab ID:	212693-004	Sampled:	06/09/09
Matrix:	Water	Received:	06/09/09
Units:	ug/L	Analyzed:	06/11/09
Diln Fac:	1.000		

Type: MS Lab ID: QC499471

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	9.342	2,000	1,844	92	66-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	128	63-146
Bromofluorobenzene (FID)	113	70-140

Type: MSD Lab ID: QC499472

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,854	92	66-120	1	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	128	63-146
Bromofluorobenzene (FID)	112	70-140

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8021B
Matrix:	Water	Batch#:	151901
Units:	ug/L	Analyzed:	06/11/09
Diln Fac:	1.000		

Type: BS Lab ID: QC499649

Analyte	Spiked	Result	%REC	Limits
Benzene	10.00	9.927	99	79-120
Toluene	10.00	9.912	99	76-122
Ethylbenzene	10.00	10.59	106	77-125
m,p-Xylenes	10.00	10.37	104	76-126
o-Xylene	10.00	9.958	100	77-126

Surrogate	%REC	Limits
Trifluorotoluene (PID)	94	50-140
Bromofluorobenzene (PID)	93	56-132

Type: BSD Lab ID: QC499650

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	10.00	8.170	82	79-120	19	20
Toluene	10.00	8.380	84	76-122	17	21
Ethylbenzene	10.00	9.159	92	77-125	14	21
m,p-Xylenes	10.00	9.252	93	76-126	11	23
o-Xylene	10.00	9.022	90	77-126	10	21

Surrogate	%REC	Limits
Trifluorotoluene (PID)	89	50-140
Bromofluorobenzene (PID)	95	56-132

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC499651	Batch#:	151901
Matrix:	Water	Analyzed:	06/11/09
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	922.8	92	76-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	120	63-146
Bromofluorobenzene (FID)	116	70-140

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Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	151901
MSS Lab ID:	212734-003	Sampled:	06/09/09
Matrix:	Water	Received:	06/10/09
Units:	ug/L	Analyzed:	06/12/09
Diln Fac:	1.000		

Type: MS Lab ID: QC499652

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	163.2	2,000	2,050	94	66-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	108	63-146
Bromofluorobenzene (FID)	131	70-140

Type: MSD Lab ID: QC499653

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,043	94	66-120	0	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	113	63-146
Bromofluorobenzene (FID)	135	70-140

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8021B
Matrix:	Water	Batch#:	151940
Units:	ug/L	Analyzed:	06/12/09
Diln Fac:	1.000		

Type: BS Lab ID: QC499793

Analyte	Spiked	Result	%REC	Limits
Benzene	10.00	8.929	89	79-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	68	50-140
Bromofluorobenzene (PID)	74	56-132

Type: BSD Lab ID: QC499794

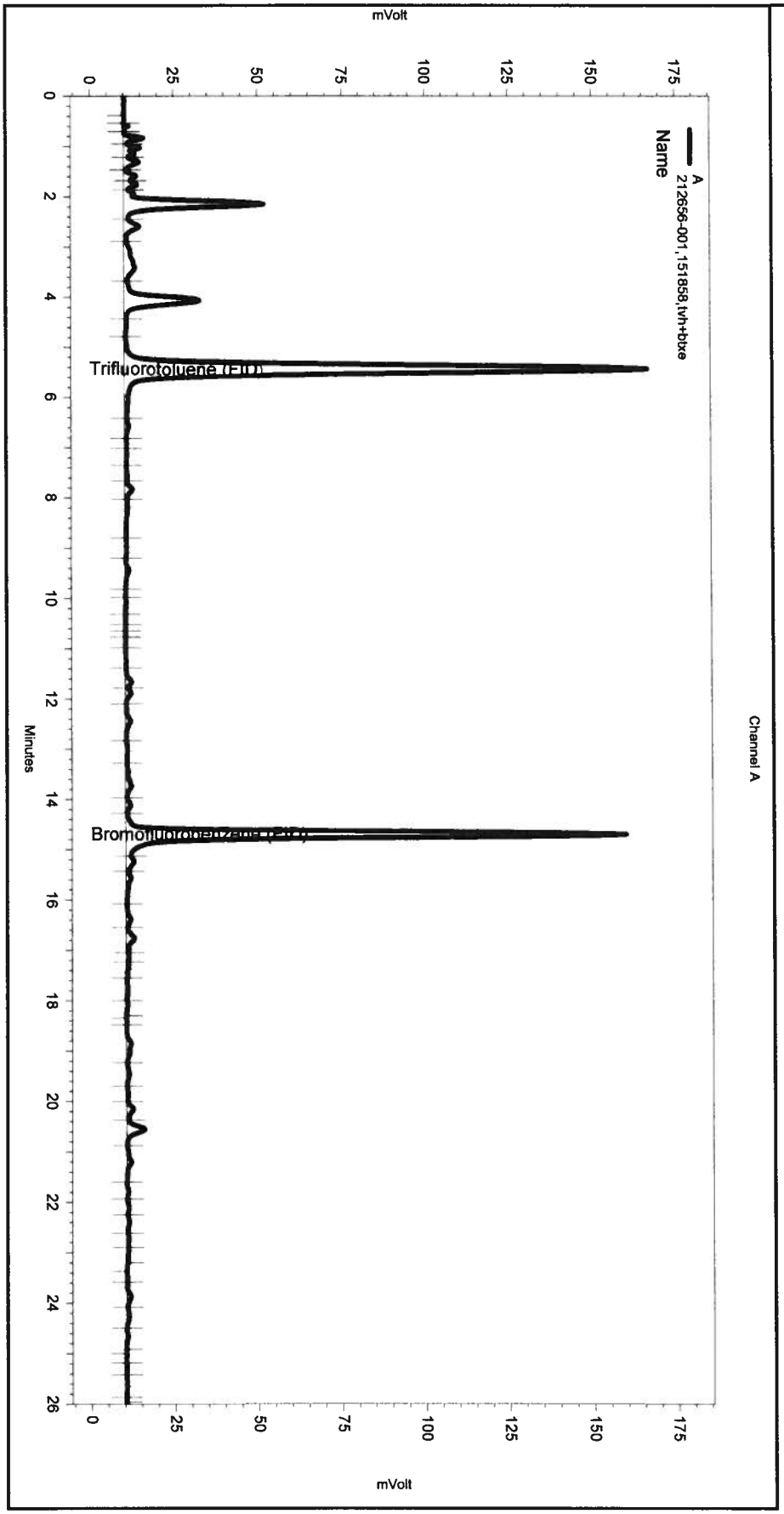
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	10.00	9.180	92	79-120	3	20

Surrogate	%REC	Limits
Trifluorotoluene (PID)	72	50-140
Bromofluorobenzene (PID)	74	56-132

RPD= Relative Percent Difference

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC07\Sequence\161.seq
Sample Name: **212656-001,151858,tvh+btxe**
Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\161_006
Instrument: GC07 Vial: N/A Operator: lims2k3\tvh3
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe119.met

Software Version 3.1.7
Run Date: 6/10/2009 3:24:20 PM
Analysis Date: 6/10/2009 3:53:03 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: e1.3



---< General Method Parameters >---

No items selected for this section

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No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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Yes	Threshold	0	0	50

Manual Integration Fixes

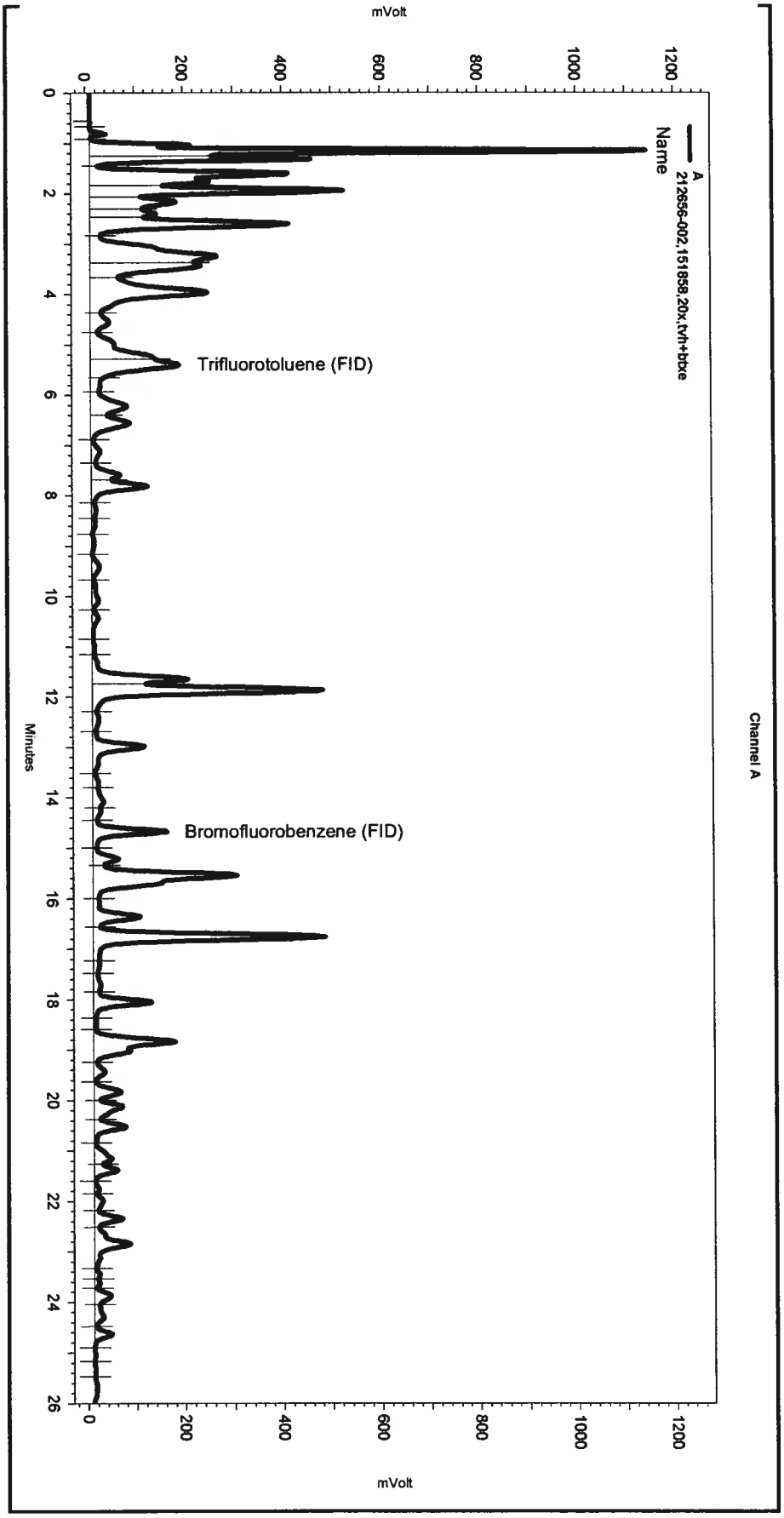
Data File: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.10049\161_006_2A34.tmp

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value

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Sequence File: \\Lims\gdrive\ezchrom\Projects\GC07\Sequence\161.seq
Sample Name: **212656-002,151858,20x,tvh+btxe**
Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\161_007
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe119.met

Software Version 3.1.7
Run Date: 6/10/2009 4:00:08 PM
Analysis Date: 6/11/2009 10:48:50 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: c1.3



---< General Method Parameters >---

No items selected for this section

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No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

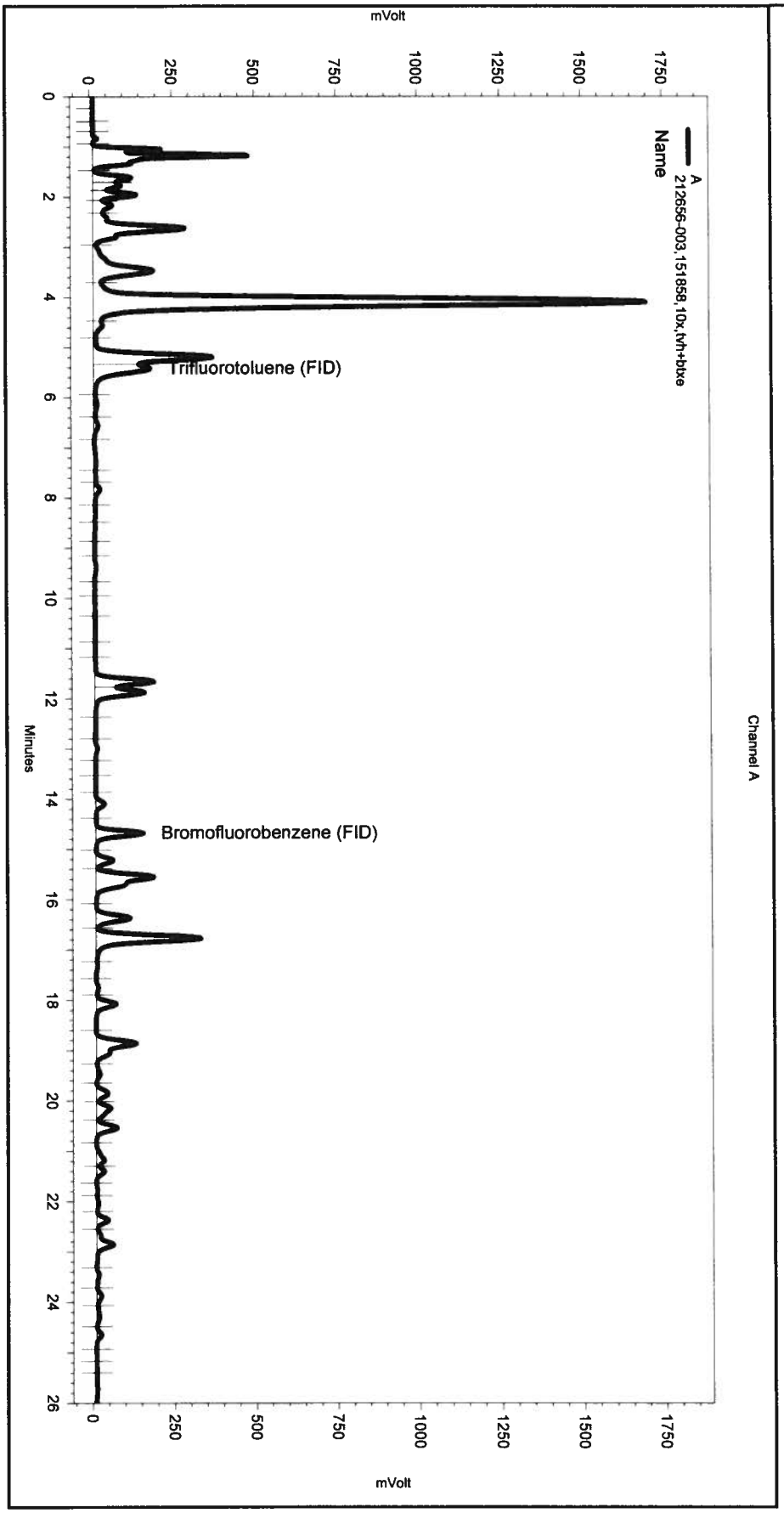
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\161_007

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	5.289	0	0
Yes	Split Peak	5.649	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC07\Sequence\161.seq
Sample Name: **212656-003,151858,10x,tvh+btxe**
Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\161_008
Instrument: GC07 Vial: N/A Operator: lims2k3\tvh3
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe119.met

Software Version 3.1.7
Run Date: 6/10/2009 4:35:55 PM
Analysis Date: 6/10/2009 5:04:39 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: d1.3



---< General Method Parameters >---

No items selected for this section

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No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

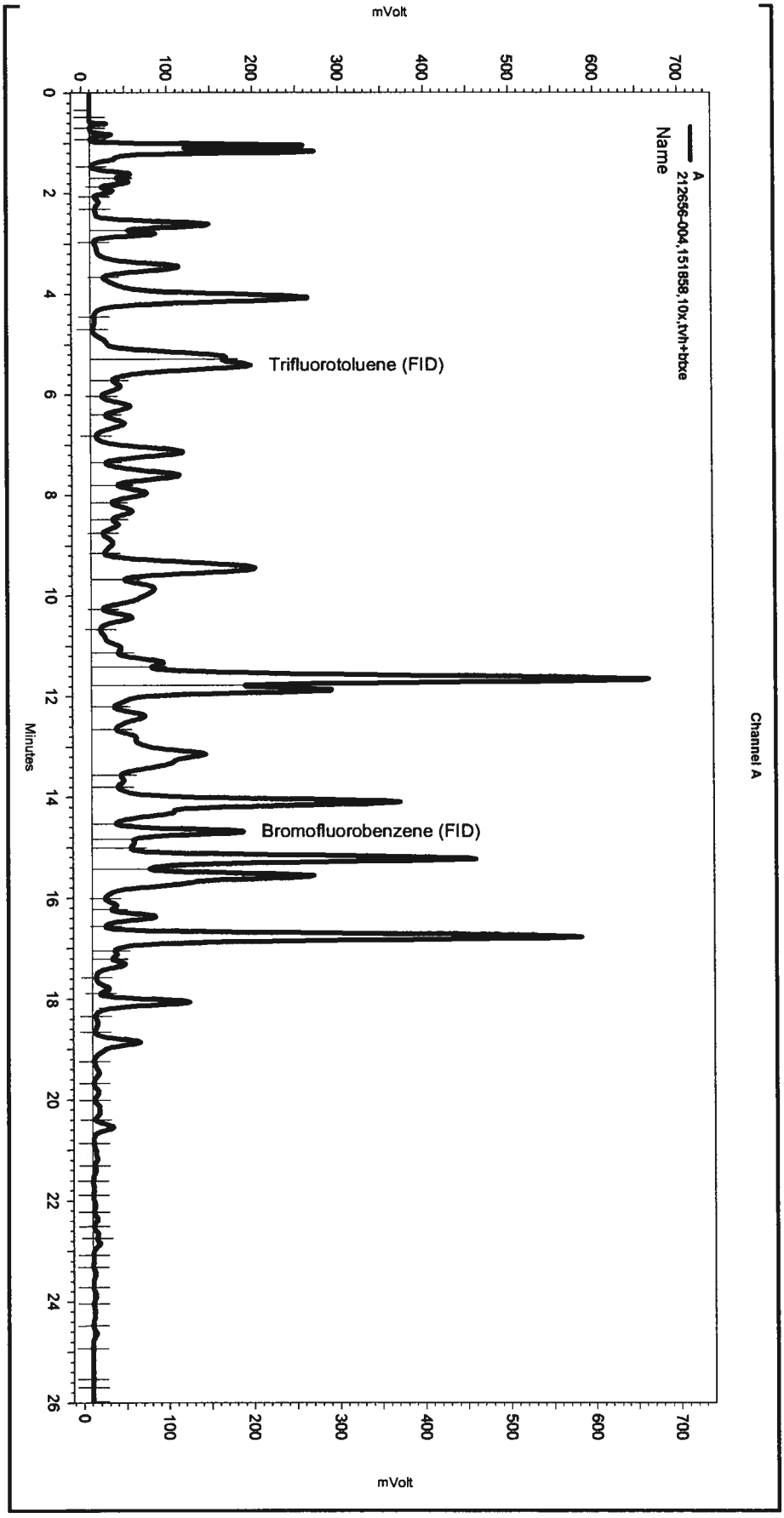
Manual Integration Fixes

Data File: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.10049\161_008_2A36.tmp

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
None				

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\161.seq**
Sample Name: **212656-004,151858,10x,tvh+btxe**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\161_009**
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe119.met

Software Version 3.1.7
Run Date: 6/10/2009 5:11:21 PM
Analysis Date: 6/11/2009 10:55:29 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: d1.3



---< General Method Parameters >---

No items selected for this section

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No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

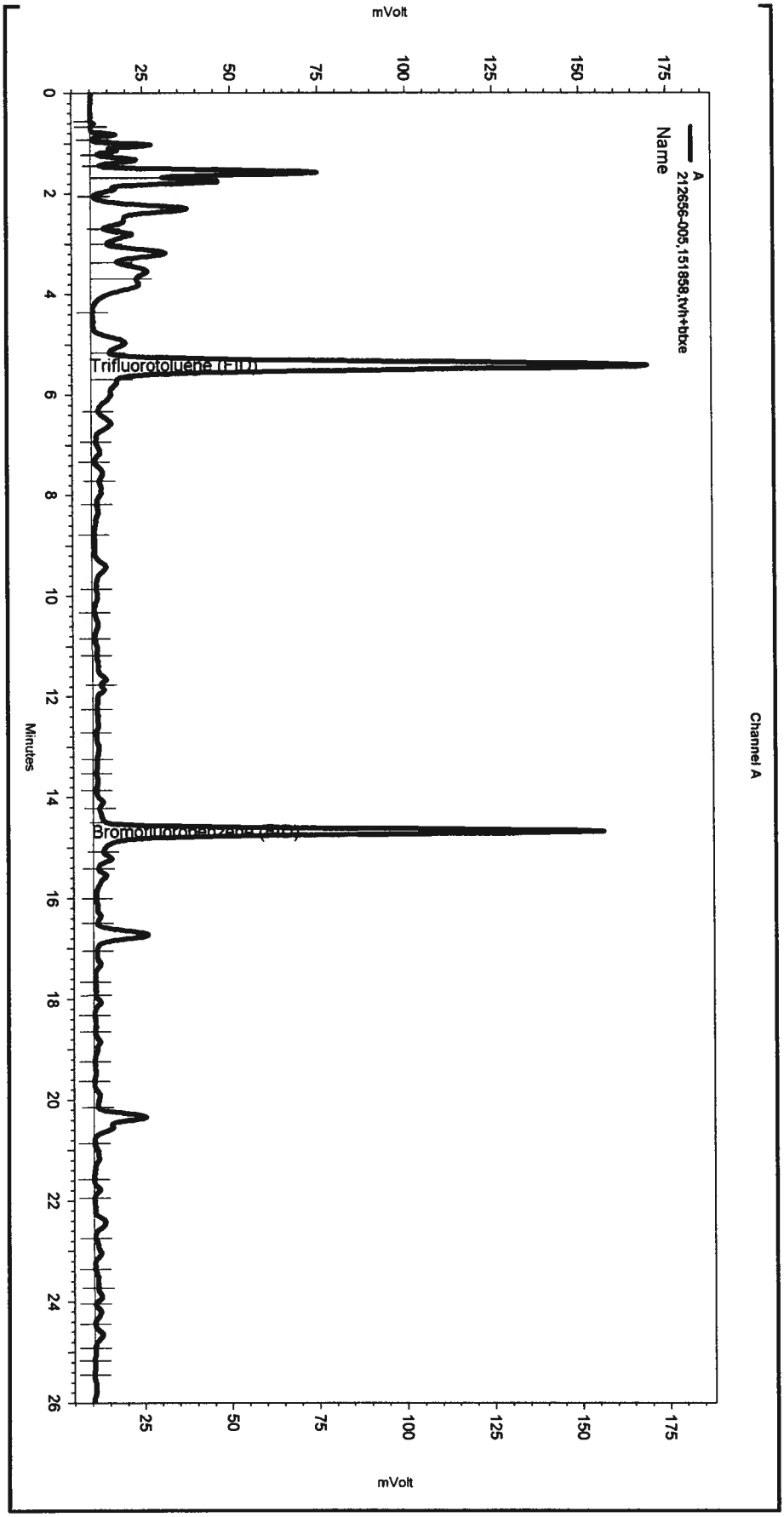
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\161_009

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	5.295	0	0
Yes	Split Peak	14.839	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\161.seq**
Sample Name: **212656-005,151858,tvh+btxe**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\161_010**
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe119.met

Software Version 3.1.7
Run Date: 6/10/2009 5:47:16 PM
Analysis Date: 6/11/2009 10:57:52 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: e1.3



---< General Method Parameters >---

No items selected for this section

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No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

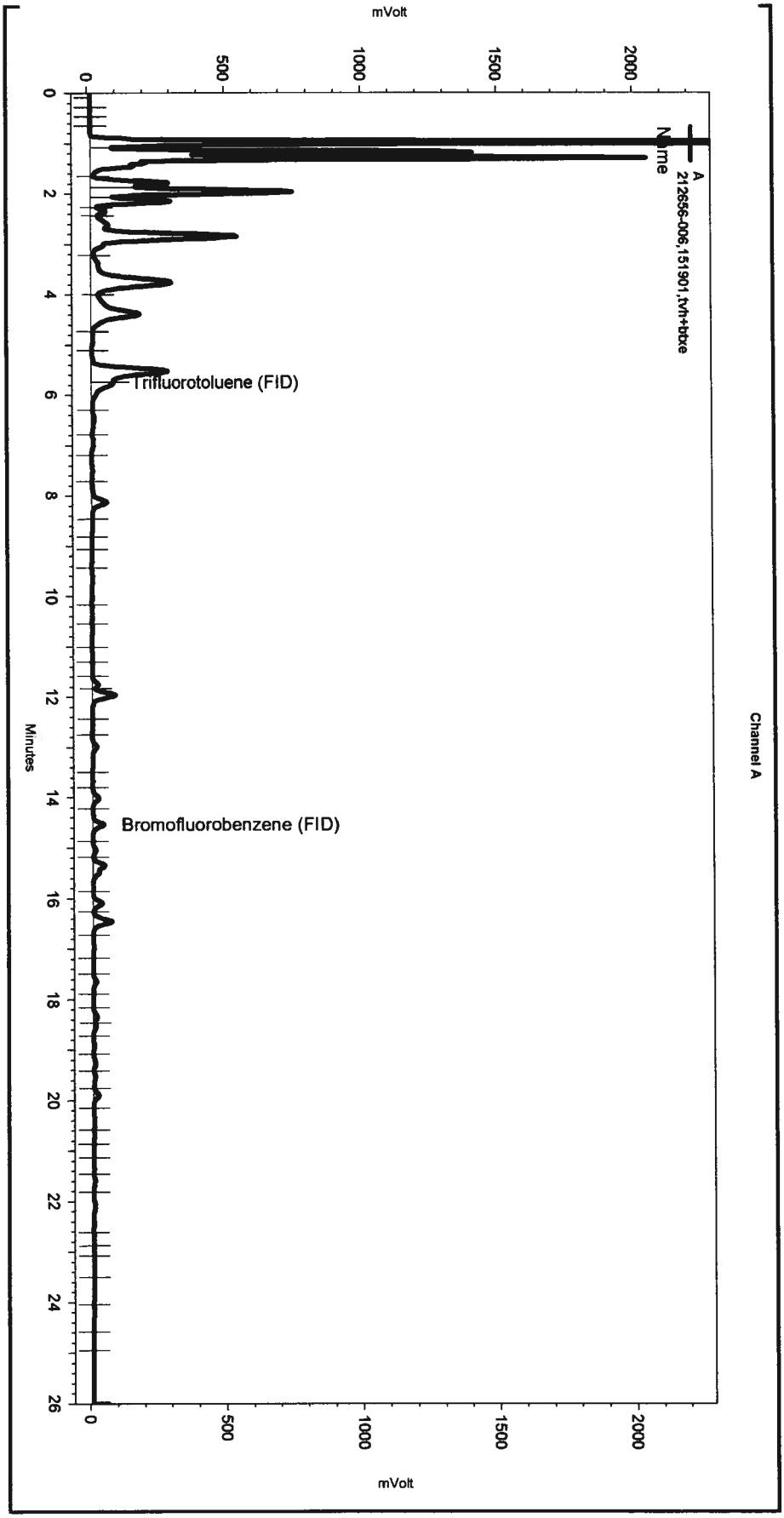
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\161_010

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	5.698	0	0
Yes	Split Peak	14.502	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC04\Sequence\162.seq
Sample Name: **212656-006,151901,tvh+btxe**
Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\162_008
Instrument: GC04 (Offline) Vial: N/A Operator: Weldon Hall (lims2k3\weldon)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe162.met

Software Version 3.1.7
Run Date: 6/11/2009 1:29:21 PM
Analysis Date: 6/12/2009 12:54:00 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: d1.3



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

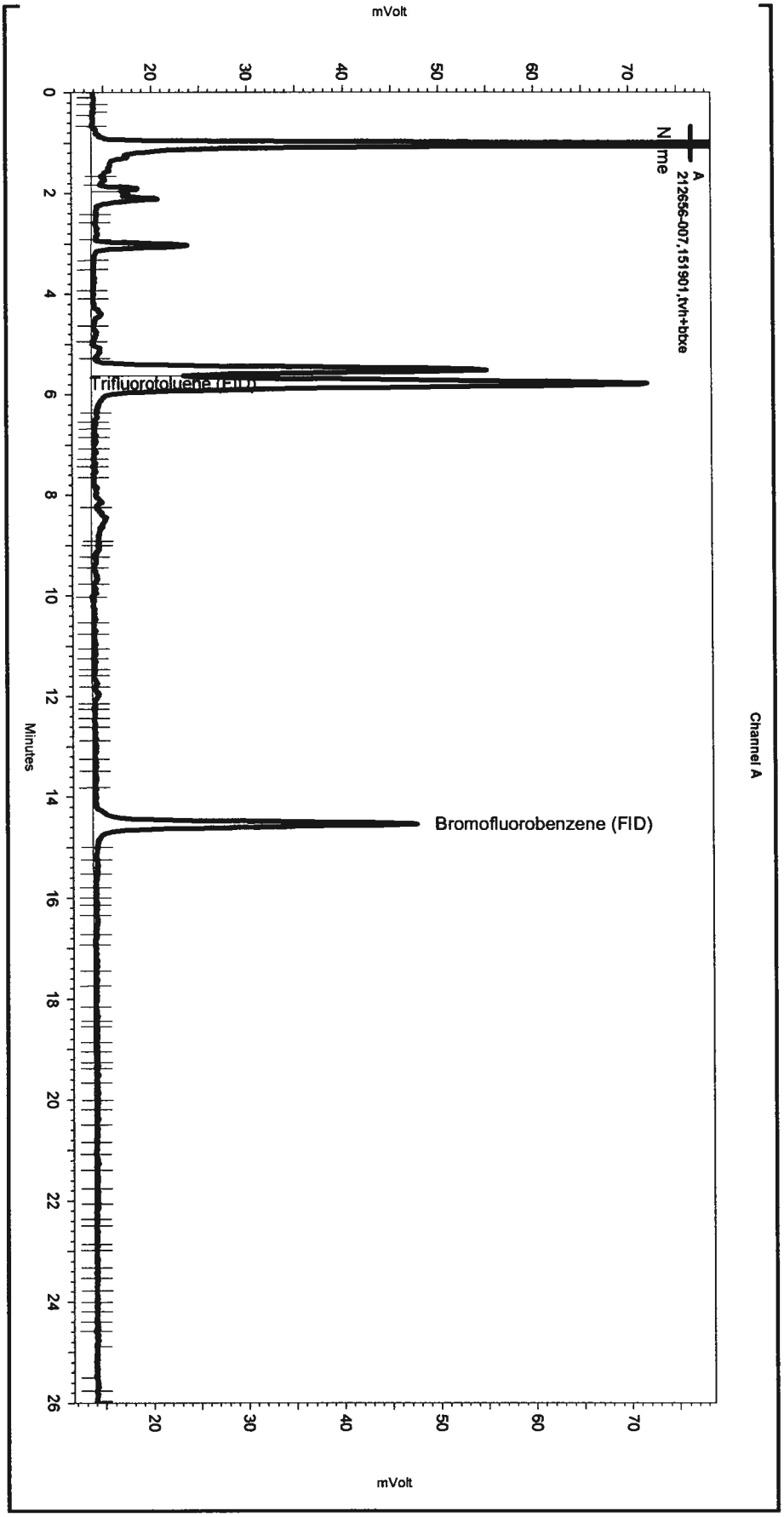
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\162_008

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	5.73	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC04\Sequence\162.seq**
Sample Name: **212656-007,151901,tvh+btxe**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC04\Data\162_009**
Instrument: GC04 (Offline) Vial: N/A Operator: Weldon Hall (lims2k3\weldon)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe162.met

Software Version 3.1.7
Run Date: 6/11/2009 2:06:59 PM
Analysis Date: 6/12/2009 12:54:03 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: f1.3



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

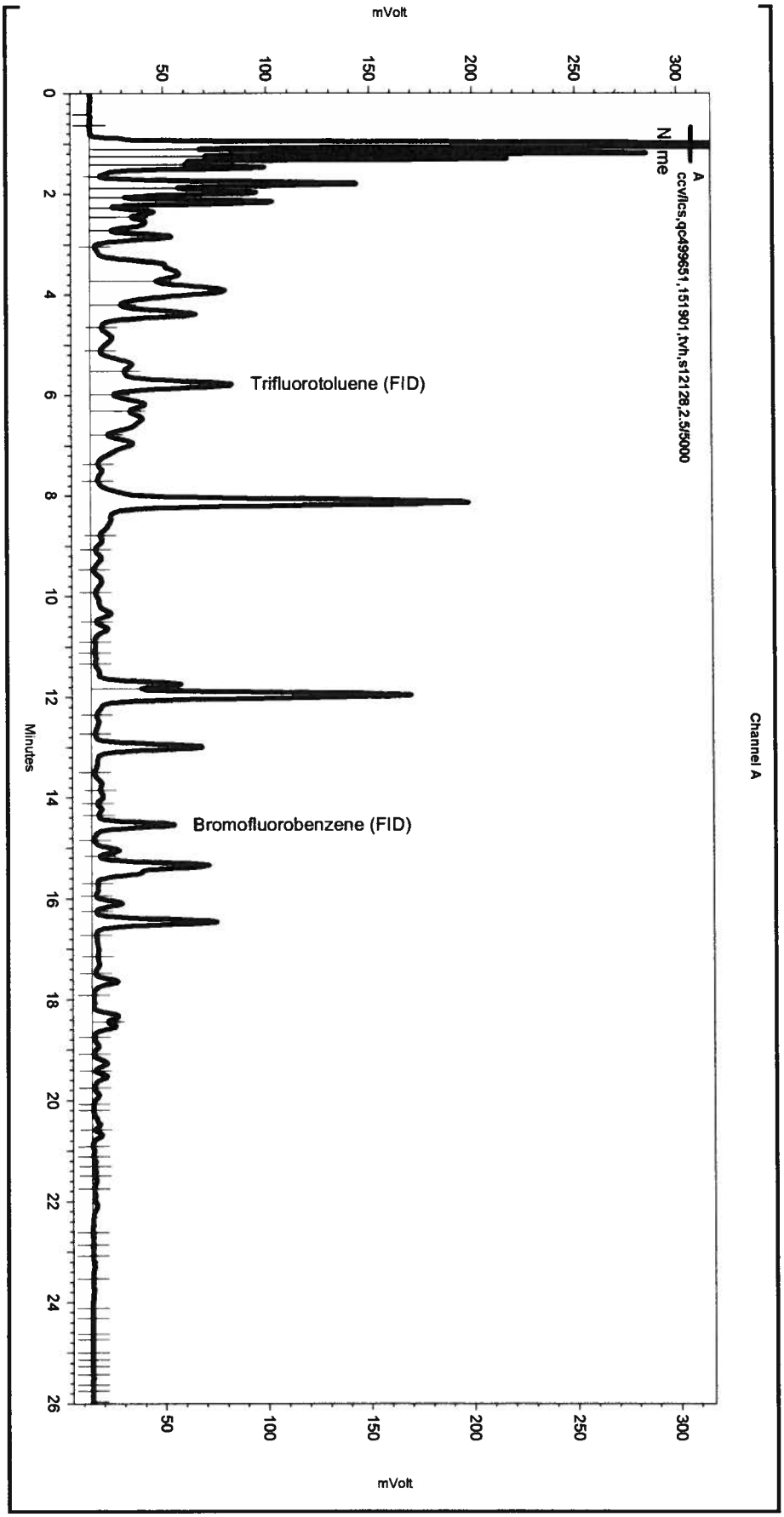
Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\162_009

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value

None

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC04\Sequence\162.seq**
Sample Name: **ccv/lcs,qc499651,151901,tvh,s12128,2.5/5000**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC04\Data\162_003**
Instrument: GC04 (Offline) Vial: N/A Operator: Weldon Hall (lims2k3\weldon)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe162.met

Software Version 3.1.7
Run Date: 6/11/2009 9:04:39 AM
Analysis Date: 6/12/2009 12:53:41 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: {Data Description}



---< General Method Parameters >---

No Items selected for this section

---< A >---

No Items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\162_003

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
None				

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-12	Batch#:	151808
Lab ID:	212656-001	Sampled:	06/05/09
Matrix:	Water	Received:	06/05/09
Units:	ug/L	Analyzed:	06/09/09
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	8.4	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-12	Batch#:	151808
Lab ID:	212656-001	Sampled:	06/05/09
Matrix:	Water	Received:	06/05/09
Units:	ug/L	Analyzed:	06/09/09
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-122
1,2-Dichloroethane-d4	94	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	108	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-11	Batch#:	152082
Lab ID:	212656-002	Sampled:	06/05/09
Matrix:	Water	Received:	06/05/09
Units:	ug/L	Analyzed:	06/17/09
Diln Fac:	40.00		

Analyte	Result	RL
Freon 12	ND	40
Chloromethane	ND	40
Vinyl Chloride	ND	20
Bromomethane	ND	40
Chloroethane	ND	40
Trichlorofluoromethane	ND	40
Acetone	ND	400
Freon 113	ND	80
1,1-Dichloroethene	ND	20
Methylene Chloride	ND	400
Carbon Disulfide	ND	20
MTBE	ND	20
trans-1,2-Dichloroethene	ND	20
Vinyl Acetate	ND	400
1,1-Dichloroethane	ND	20
2-Butanone	ND	400
cis-1,2-Dichloroethene	ND	20
2,2-Dichloropropane	ND	20
Chloroform	ND	20
Bromochloromethane	ND	20
1,1,1-Trichloroethane	ND	20
1,1-Dichloropropene	ND	20
Carbon Tetrachloride	ND	20
1,2-Dichloroethane	ND	20
Benzene	64	20
Trichloroethene	ND	20
1,2-Dichloropropane	ND	20
Bromodichloromethane	ND	20
Dibromomethane	ND	20
4-Methyl-2-Pentanone	ND	400
cis-1,3-Dichloropropene	ND	20
Toluene	590	20
trans-1,3-Dichloropropene	ND	20
1,1,2-Trichloroethane	ND	20
2-Hexanone	ND	400
1,3-Dichloropropane	ND	20
Tetrachloroethene	ND	20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-11	Batch#:	152082
Lab ID:	212656-002	Sampled:	06/05/09
Matrix:	Water	Received:	06/05/09
Units:	ug/L	Analyzed:	06/17/09
Diln Fac:	40.00		

Analyte	Result	RL
Dibromochloromethane	ND	20
1,2-Dibromoethane	ND	20
Chlorobenzene	ND	20
1,1,1,2-Tetrachloroethane	ND	20
Ethylbenzene	1,000	20
m,p-Xylenes	2,500	20
o-Xylene	560	20
Styrene	ND	20
Bromoform	ND	40
Isopropylbenzene	86	20
1,1,2,2-Tetrachloroethane	ND	20
1,2,3-Trichloropropane	ND	20
Propylbenzene	230	20
Bromobenzene	ND	20
1,3,5-Trimethylbenzene	630	20
2-Chlorotoluene	ND	20
4-Chlorotoluene	ND	20
tert-Butylbenzene	24	20
1,2,4-Trimethylbenzene	2,500	20
sec-Butylbenzene	ND	20
para-Isopropyl Toluene	ND	20
1,3-Dichlorobenzene	ND	20
1,4-Dichlorobenzene	ND	20
n-Butylbenzene	ND	20
1,2-Dichlorobenzene	ND	20
1,2-Dibromo-3-Chloropropane	ND	80
1,2,4-Trichlorobenzene	ND	20
Hexachlorobutadiene	ND	80
Naphthalene	720	80
1,2,3-Trichlorobenzene	ND	20

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-122
1,2-Dichloroethane-d4	95	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	109	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-14	Batch#:	151841
Lab ID:	212656-003	Sampled:	06/05/09
Matrix:	Water	Received:	06/05/09
Units:	ug/L	Analyzed:	06/10/09
Diln Fac:	100.0		

Analyte	Result	RL
Freon 12	ND	100
Chloromethane	ND	100
Vinyl Chloride	ND	50
Bromomethane	ND	100
Chloroethane	ND	100
Trichlorofluoromethane	ND	100
Acetone	ND	1,000
Freon 113	ND	200
1,1-Dichloroethene	ND	50
Methylene Chloride	ND	1,000
Carbon Disulfide	ND	50
MTBE	ND	50
trans-1,2-Dichloroethene	ND	50
Vinyl Acetate	ND	1,000
1,1-Dichloroethane	ND	50
2-Butanone	ND	1,000
cis-1,2-Dichloroethene	5,600	50
2,2-Dichloropropane	ND	50
Chloroform	ND	50
Bromochloromethane	ND	50
1,1,1-Trichloroethane	ND	50
1,1-Dichloropropene	ND	50
Carbon Tetrachloride	ND	50
1,2-Dichloroethane	ND	50
Benzene	6,200	50
Trichloroethene	4,000	50
1,2-Dichloropropane	ND	50
Bromodichloromethane	ND	50
Dibromomethane	ND	50
4-Methyl-2-Pentanone	ND	1,000
cis-1,3-Dichloropropene	ND	50
Toluene	ND	50
trans-1,3-Dichloropropene	ND	50
1,1,2-Trichloroethane	ND	50
2-Hexanone	ND	1,000
1,3-Dichloropropane	ND	50
Tetrachloroethene	ND	50

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-14	Batch#:	151841
Lab ID:	212656-003	Sampled:	06/05/09
Matrix:	Water	Received:	06/05/09
Units:	ug/L	Analyzed:	06/10/09
Diln Fac:	100.0		

Analyte	Result	RL
Dibromochloromethane	ND	50
1,2-Dibromoethane	ND	50
Chlorobenzene	ND	50
1,1,1,2-Tetrachloroethane	ND	50
Ethylbenzene	580	50
m,p-Xylenes	450	50
o-Xylene	ND	50
Styrene	ND	50
Bromoform	ND	100
Isopropylbenzene	86	50
1,1,2,2-Tetrachloroethane	ND	50
1,2,3-Trichloropropane	ND	50
Propylbenzene	180	50
Bromobenzene	ND	50
1,3,5-Trimethylbenzene	280	50
2-Chlorotoluene	ND	50
4-Chlorotoluene	ND	50
tert-Butylbenzene	ND	50
1,2,4-Trimethylbenzene	1,100	50
sec-Butylbenzene	ND	50
para-Isopropyl Toluene	ND	50
1,3-Dichlorobenzene	ND	50
1,4-Dichlorobenzene	ND	50
n-Butylbenzene	ND	50
1,2-Dichlorobenzene	ND	50
1,2-Dibromo-3-Chloropropane	ND	200
1,2,4-Trichlorobenzene	ND	50
Hexachlorobutadiene	ND	200
Naphthalene	ND	200
1,2,3-Trichlorobenzene	ND	50

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-122
1,2-Dichloroethane-d4	91	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	108	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-16	Batch#:	151841
Lab ID:	212656-004	Sampled:	06/05/09
Matrix:	Water	Received:	06/05/09
Units:	ug/L	Analyzed:	06/10/09
Diln Fac:	50.00		

Analyte	Result	RL
Freon 12	ND	50
Chloromethane	ND	50
Vinyl Chloride	ND	25
Bromomethane	ND	50
Chloroethane	ND	50
Trichlorofluoromethane	ND	50
Acetone	ND	500
Freon 113	ND	100
1,1-Dichloroethene	ND	25
Methylene Chloride	ND	500
Carbon Disulfide	ND	25
MTBE	ND	25
trans-1,2-Dichloroethene	54	25
Vinyl Acetate	ND	500
1,1-Dichloroethane	ND	25
2-Butanone	ND	500
cis-1,2-Dichloroethene	3,700	25
2,2-Dichloropropane	ND	25
Chloroform	ND	25
Bromochloromethane	ND	25
1,1,1-Trichloroethane	ND	25
1,1-Dichloropropene	ND	25
Carbon Tetrachloride	ND	25
1,2-Dichloroethane	ND	25
Benzene	930	25
Trichloroethene	33	25
1,2-Dichloropropane	ND	25
Bromodichloromethane	ND	25
Dibromomethane	ND	25
4-Methyl-2-Pentanone	ND	500
cis-1,3-Dichloropropene	ND	25
Toluene	ND	25
trans-1,3-Dichloropropene	ND	25
1,1,2-Trichloroethane	ND	25
2-Hexanone	ND	500
1,3-Dichloropropane	ND	25
Tetrachloroethene	ND	25

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-16	Batch#:	151841
Lab ID:	212656-004	Sampled:	06/05/09
Matrix:	Water	Received:	06/05/09
Units:	ug/L	Analyzed:	06/10/09
Diln Fac:	50.00		

Analyte	Result	RL
Dibromochloromethane	ND	25
1,2-Dibromoethane	ND	25
Chlorobenzene	ND	25
1,1,1,2-Tetrachloroethane	ND	25
Ethylbenzene	1,800	25
m,p-Xylenes	720	25
o-Xylene	ND	25
Styrene	ND	25
Bromoform	ND	50
Isopropylbenzene	1,000	25
1,1,2,2-Tetrachloroethane	ND	25
1,2,3-Trichloropropane	ND	25
Propylbenzene	1,100	25
Bromobenzene	ND	25
1,3,5-Trimethylbenzene	180	25
2-Chlorotoluene	ND	25
4-Chlorotoluene	ND	25
tert-Butylbenzene	ND	25
1,2,4-Trimethylbenzene	1,400	25
sec-Butylbenzene	64	25
para-Isopropyl Toluene	ND	25
1,3-Dichlorobenzene	ND	25
1,4-Dichlorobenzene	ND	25
n-Butylbenzene	ND	25
1,2-Dichlorobenzene	ND	25
1,2-Dibromo-3-Chloropropane	ND	100
1,2,4-Trichlorobenzene	ND	25
Hexachlorobutadiene	ND	100
Naphthalene	ND	100
1,2,3-Trichlorobenzene	ND	25

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-122
1,2-Dichloroethane-d4	95	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	109	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-17	Batch#:	151808
Lab ID:	212656-005	Sampled:	06/05/09
Matrix:	Water	Received:	06/05/09
Units:	ug/L	Analyzed:	06/09/09
Diln Fac:	1.000		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	3.3	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	9.0	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	1.3	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-17	Batch#:	151808
Lab ID:	212656-005	Sampled:	06/05/09
Matrix:	Water	Received:	06/05/09
Units:	ug/L	Analyzed:	06/09/09
Diln Fac:	1.000		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	5.1	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	0.5	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-122
1,2-Dichloroethane-d4	94	77-137
Toluene-d8	97	80-120
Bromofluorobenzene	106	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-18	Units:	ug/L
Lab ID:	212656-006	Sampled:	06/05/09
Matrix:	Water	Received:	06/05/09

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Freon 12	ND	2.0	2.000	151841	06/10/09
Chloromethane	ND	2.0	2.000	151841	06/10/09
Vinyl Chloride	ND	1.0	2.000	151841	06/10/09
Bromomethane	ND	2.0	2.000	151841	06/10/09
Chloroethane	ND	2.0	2.000	151841	06/10/09
Trichlorofluoromethane	ND	2.0	2.000	151841	06/10/09
Acetone	ND	20	2.000	151841	06/10/09
Freon 113	ND	4.0	2.000	151841	06/10/09
1,1-Dichloroethene	1.1	1.0	2.000	151841	06/10/09
Methylene Chloride	ND	20	2.000	151841	06/10/09
Carbon Disulfide	ND	1.0	2.000	151841	06/10/09
MTBE	ND	1.0	2.000	151841	06/10/09
trans-1,2-Dichloroethene	36	1.0	2.000	151841	06/10/09
Vinyl Acetate	ND	20	2.000	151841	06/10/09
1,1-Dichloroethane	ND	1.0	2.000	151841	06/10/09
2-Butanone	ND	20	2.000	151841	06/10/09
cis-1,2-Dichloroethene	47	1.0	2.000	151841	06/10/09
2,2-Dichloropropane	ND	1.0	2.000	151841	06/10/09
Chloroform	ND	1.0	2.000	151841	06/10/09
Bromochloromethane	ND	1.0	2.000	151841	06/10/09
1,1,1-Trichloroethane	ND	1.0	2.000	151841	06/10/09
1,1-Dichloropropene	ND	1.0	2.000	151841	06/10/09
Carbon Tetrachloride	ND	1.0	2.000	151841	06/10/09
1,2-Dichloroethane	ND	1.0	2.000	151841	06/10/09
Benzene	65	1.0	2.000	151841	06/10/09
Trichloroethene	470	3.1	6.250	151894	06/11/09
1,2-Dichloropropane	ND	1.0	2.000	151841	06/10/09
Bromodichloromethane	ND	1.0	2.000	151841	06/10/09
Dibromomethane	ND	1.0	2.000	151841	06/10/09
4-Methyl-2-Pentanone	ND	20	2.000	151841	06/10/09
cis-1,3-Dichloropropene	ND	1.0	2.000	151841	06/10/09
Toluene	33	1.0	2.000	151841	06/10/09
trans-1,3-Dichloropropene	ND	1.0	2.000	151841	06/10/09
1,1,2-Trichloroethane	ND	1.0	2.000	151841	06/10/09
2-Hexanone	ND	20	2.000	151841	06/10/09
1,3-Dichloropropane	ND	1.0	2.000	151841	06/10/09
Tetrachloroethene	ND	1.0	2.000	151841	06/10/09
Dibromochloromethane	ND	1.0	2.000	151841	06/10/09
1,2-Dibromoethane	ND	1.0	2.000	151841	06/10/09

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-18	Units:	ug/L
Lab ID:	212656-006	Sampled:	06/05/09
Matrix:	Water	Received:	06/05/09

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Chlorobenzene	ND	1.0	2.000	151841	06/10/09
1,1,1,2-Tetrachloroethane	ND	1.0	2.000	151841	06/10/09
Ethylbenzene	11	1.0	2.000	151841	06/10/09
m,p-Xylenes	45	1.0	2.000	151841	06/10/09
o-Xylene	8.9	1.0	2.000	151841	06/10/09
Styrene	ND	1.0	2.000	151841	06/10/09
Bromoform	ND	2.0	2.000	151841	06/10/09
Isopropylbenzene	13	1.0	2.000	151841	06/10/09
1,1,2,2-Tetrachloroethane	ND	1.0	2.000	151841	06/10/09
1,2,3-Trichloropropane	ND	1.0	2.000	151841	06/10/09
Propylbenzene	6.2	1.0	2.000	151841	06/10/09
Bromobenzene	ND	1.0	2.000	151841	06/10/09
1,3,5-Trimethylbenzene	13	1.0	2.000	151841	06/10/09
2-Chlorotoluene	ND	1.0	2.000	151841	06/10/09
4-Chlorotoluene	ND	1.0	2.000	151841	06/10/09
tert-Butylbenzene	4.9	1.0	2.000	151841	06/10/09
1,2,4-Trimethylbenzene	42	1.0	2.000	151841	06/10/09
sec-Butylbenzene	1.5	1.0	2.000	151841	06/10/09
para-Isopropyl Toluene	ND	1.0	2.000	151841	06/10/09
1,3-Dichlorobenzene	ND	1.0	2.000	151841	06/10/09
1,4-Dichlorobenzene	ND	1.0	2.000	151841	06/10/09
n-Butylbenzene	ND	1.0	2.000	151841	06/10/09
1,2-Dichlorobenzene	ND	1.0	2.000	151841	06/10/09
1,2-Dibromo-3-Chloropropane	ND	4.0	2.000	151841	06/10/09
1,2,4-Trichlorobenzene	ND	1.0	2.000	151841	06/10/09
Hexachlorobutadiene	ND	4.0	2.000	151841	06/10/09
Naphthalene	ND	4.0	2.000	151841	06/10/09
1,2,3-Trichlorobenzene	ND	1.0	2.000	151841	06/10/09

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	102	80-122	2.000	151841	06/10/09
1,2-Dichloroethane-d4	94	77-137	2.000	151841	06/10/09
Toluene-d8	100	80-120	2.000	151841	06/10/09
Bromofluorobenzene	112	80-125	2.000	151841	06/10/09

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-19	Batch#:	151808
Lab ID:	212656-007	Sampled:	06/05/09
Matrix:	Water	Received:	06/05/09
Units:	ug/L	Analyzed:	06/09/09

Analyte	Result	RL	Diln Fac
Freon 12	ND	1.0	1.000
Chloromethane	ND	1.0	1.000
Vinyl Chloride	ND	0.5	1.000
Bromomethane	ND	1.0	1.000
Chloroethane	ND	1.0	1.000
Trichlorofluoromethane	ND	1.0	1.000
Acetone	ND	10	1.000
Freon 113	ND	2.0	1.000
1,1-Dichloroethene	ND	0.5	1.000
Methylene Chloride	ND	10	1.000
Carbon Disulfide	ND	0.5	1.000
MTBE	4.2	0.5	1.000
trans-1,2-Dichloroethene	5.9	0.5	1.000
Vinyl Acetate	ND	10	1.000
1,1-Dichloroethane	ND	0.5	1.000
2-Butanone	ND	10	1.000
cis-1,2-Dichloroethene	20	0.5	1.000
2,2-Dichloropropane	ND	0.5	1.000
Chloroform	ND	0.5	1.000
Bromochloromethane	ND	0.5	1.000
1,1,1-Trichloroethane	ND	0.5	1.000
1,1-Dichloropropene	ND	0.5	1.000
Carbon Tetrachloride	ND	0.5	1.000
1,2-Dichloroethane	ND	0.5	1.000
Benzene	ND	0.5	1.000
Trichloroethene	91	2.0	4.000
1,2-Dichloropropane	ND	0.5	1.000
Bromodichloromethane	ND	0.5	1.000
Dibromomethane	ND	0.5	1.000
4-Methyl-2-Pentanone	ND	10	1.000
cis-1,3-Dichloropropene	ND	0.5	1.000
Toluene	ND	0.5	1.000
trans-1,3-Dichloropropene	ND	0.5	1.000
1,1,2-Trichloroethane	ND	0.5	1.000
2-Hexanone	ND	10	1.000
1,3-Dichloropropane	ND	0.5	1.000
Tetrachloroethene	ND	0.5	1.000
Dibromochloromethane	ND	0.5	1.000

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	B-19	Batch#:	151808
Lab ID:	212656-007	Sampled:	06/05/09
Matrix:	Water	Received:	06/05/09
Units:	ug/L	Analyzed:	06/09/09

Analyte	Result	RL	Diln Fac
1,2-Dibromoethane	ND	0.5	1.000
Chlorobenzene	ND	0.5	1.000
1,1,1,2-Tetrachloroethane	ND	0.5	1.000
Ethylbenzene	ND	0.5	1.000
m,p-Xylenes	ND	0.5	1.000
o-Xylene	ND	0.5	1.000
Styrene	ND	0.5	1.000
Bromoform	ND	1.0	1.000
Isopropylbenzene	ND	0.5	1.000
1,1,2,2-Tetrachloroethane	ND	0.5	1.000
1,2,3-Trichloropropane	ND	0.5	1.000
Propylbenzene	ND	0.5	1.000
Bromobenzene	ND	0.5	1.000
1,3,5-Trimethylbenzene	ND	0.5	1.000
2-Chlorotoluene	ND	0.5	1.000
4-Chlorotoluene	ND	0.5	1.000
tert-Butylbenzene	ND	0.5	1.000
1,2,4-Trimethylbenzene	ND	0.5	1.000
sec-Butylbenzene	ND	0.5	1.000
para-Isopropyl Toluene	ND	0.5	1.000
1,3-Dichlorobenzene	ND	0.5	1.000
1,4-Dichlorobenzene	ND	0.5	1.000
n-Butylbenzene	ND	0.5	1.000
1,2-Dichlorobenzene	ND	0.5	1.000
1,2-Dibromo-3-Chloropropane	ND	2.0	1.000
1,2,4-Trichlorobenzene	ND	0.5	1.000
Hexachlorobutadiene	ND	2.0	1.000
Naphthalene	ND	2.0	1.000
1,2,3-Trichlorobenzene	ND	0.5	1.000

Surrogate	%REC	Limits	Diln Fac
Dibromofluoromethane	101	80-122	1.000
1,2-Dichloroethane-d4	96	77-137	1.000
Toluene-d8	98	80-120	1.000
Bromofluorobenzene	106	80-125	1.000

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC499250	Batch#:	151808
Matrix:	Water	Analyzed:	06/09/09
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC499250	Batch#:	151808
Matrix:	Water	Analyzed:	06/09/09
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-122
1,2-Dichloroethane-d4	94	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	107	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	151808
Units:	ug/L	Analyzed:	06/09/09
Diln Fac:	1.000		

Type: BS Lab ID: QC499251

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	21.25	25.67	121	74-132
Benzene	21.25	23.21	109	80-120
Trichloroethene	21.25	20.92	98	80-120
Toluene	21.25	22.63	106	80-120
Chlorobenzene	21.25	24.01	113	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-122
1,2-Dichloroethane-d4	89	77-137
Toluene-d8	98	80-120
Bromofluorobenzene	109	80-125

Type: BSD Lab ID: QC499252

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	21.25	25.33	119	74-132	1	20
Benzene	21.25	22.53	106	80-120	3	20
Trichloroethene	21.25	20.72	98	80-120	1	20
Toluene	21.25	22.40	105	80-120	1	20
Chlorobenzene	21.25	22.72	107	80-120	6	20

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-122
1,2-Dichloroethane-d4	88	77-137
Toluene-d8	98	80-120
Bromofluorobenzene	110	80-125

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC499398	Batch#:	151841
Matrix:	Water	Analyzed:	06/10/09
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC499398	Batch#:	151841
Matrix:	Water	Analyzed:	06/10/09
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-122
1,2-Dichloroethane-d4	93	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	108	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	151841
Units:	ug/L	Analyzed:	06/10/09
Diln Fac:	1.000		

Type: BS Lab ID: QC499399

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	22.50	26.51	118	74-132
Benzene	22.50	24.31	108	80-120
Trichloroethene	22.50	21.35	95	80-120
Toluene	22.50	22.82	101	80-120
Chlorobenzene	22.50	23.49	104	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-122
1,2-Dichloroethane-d4	93	77-137
Toluene-d8	98	80-120
Bromofluorobenzene	109	80-125

Type: BSD Lab ID: QC499400

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	22.50	25.88	115	74-132	2	20
Benzene	22.50	23.62	105	80-120	3	20
Trichloroethene	22.50	21.44	95	80-120	0	20
Toluene	22.50	23.36	104	80-120	2	20
Chlorobenzene	22.50	24.06	107	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-122
1,2-Dichloroethane-d4	89	77-137
Toluene-d8	98	80-120
Bromofluorobenzene	110	80-125

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC499628	Batch#:	151894
Matrix:	Water	Analyzed:	06/11/09
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC499628	Batch#:	151894
Matrix:	Water	Analyzed:	06/11/09
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-122
1,2-Dichloroethane-d4	94	77-137
Toluene-d8	97	80-120
Bromofluorobenzene	108	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	151894
Units:	ug/L	Analyzed:	06/11/09
Diln Fac:	1.000		

Type: BS Lab ID: QC499629

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	23.75	27.89	117	74-132
Benzene	23.75	24.85	105	80-120
Trichloroethene	23.75	22.05	93	80-120
Toluene	23.75	24.59	104	80-120
Chlorobenzene	23.75	25.01	105	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-122
1,2-Dichloroethane-d4	90	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	110	80-125

Type: BSD Lab ID: QC499630

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	23.75	27.65	116	74-132	1	20
Benzene	23.75	25.07	106	80-120	1	20
Trichloroethene	23.75	22.27	94	80-120	1	20
Toluene	23.75	24.27	102	80-120	1	20
Chlorobenzene	23.75	25.37	107	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-122
1,2-Dichloroethane-d4	90	77-137
Toluene-d8	97	80-120
Bromofluorobenzene	110	80-125

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC500376	Batch#:	152082
Matrix:	Water	Analyzed:	06/17/09
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC500376	Batch#:	152082
Matrix:	Water	Analyzed:	06/17/09
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-122
1,2-Dichloroethane-d4	95	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	107	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212656	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	152082
Units:	ug/L	Analyzed:	06/17/09
Diln Fac:	1.000		

Type: BS Lab ID: QC500378

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	22.50	25.57	114	74-132
Benzene	22.50	23.95	106	80-120
Trichloroethene	22.50	21.62	96	80-120
Toluene	22.50	23.20	103	80-120
Chlorobenzene	22.50	23.38	104	80-120

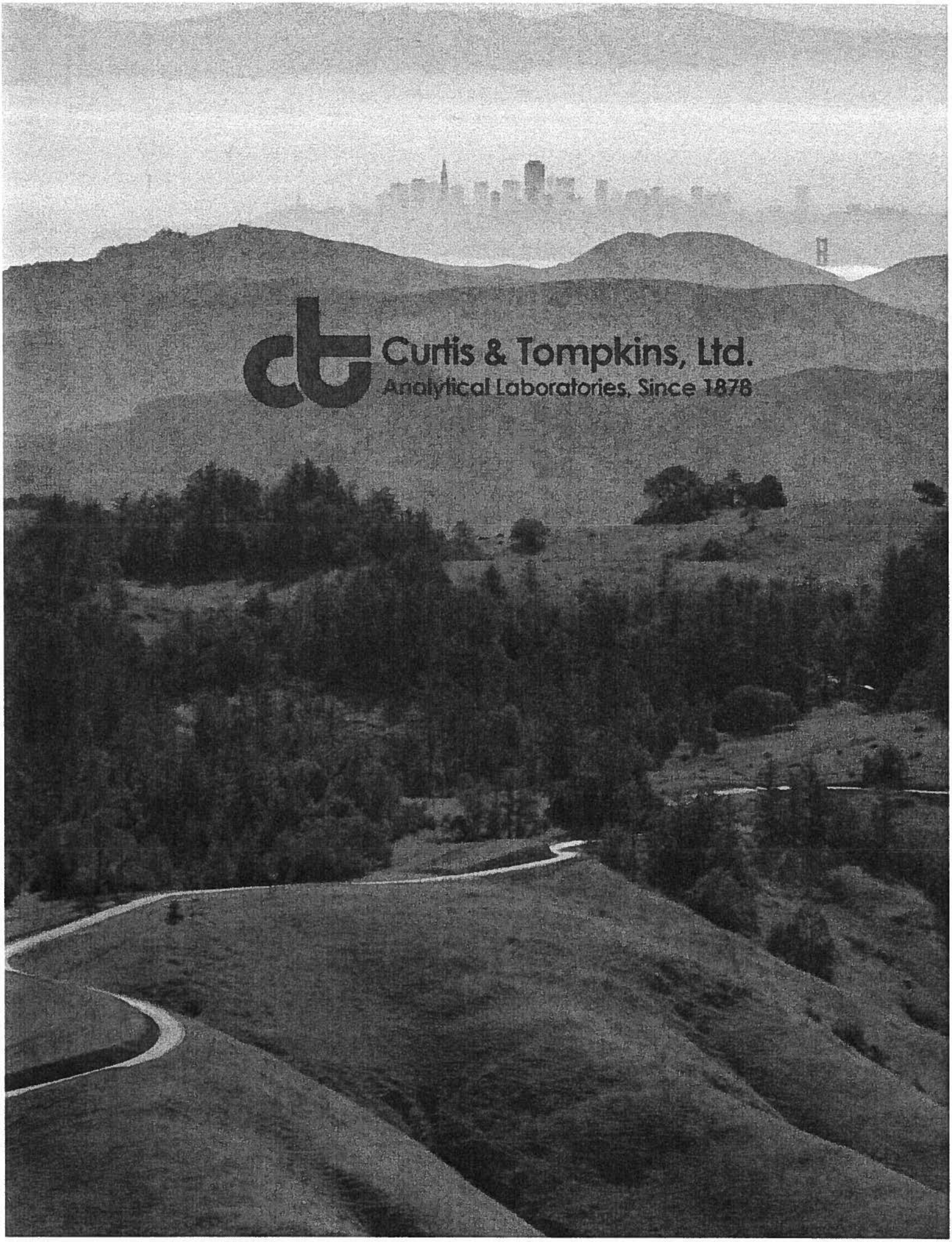
Surrogate	%REC	Limits
Dibromofluoromethane	103	80-122
1,2-Dichloroethane-d4	94	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	106	80-125

Type: BSD Lab ID: QC500379

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	22.50	25.11	112	74-132	2	20
Benzene	22.50	23.56	105	80-120	2	20
Trichloroethene	22.50	21.13	94	80-120	2	20
Toluene	22.50	23.22	103	80-120	0	20
Chlorobenzene	22.50	23.75	106	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-122
1,2-Dichloroethane-d4	91	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	106	80-125

RPD= Relative Percent Difference


Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

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

Laboratory Job Number 212668
ANALYTICAL REPORT

Bureau Veritas North America	Project : 33104-004578.00
2430 Camino Ramon	Location : Sausage Factory
San Ramon, Ca 94583	Level : II

Sample ID	Lab ID
SVGW-2	212668-001
SVGW-3	212668-002
SVGW-4	212668-003

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. This report may be reproduced only in its entirety.

Signature: _____ Date: 06/19/2009
Project Manager

Signature: _____ Date: 06/22/2009
Senior Program Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**212668**
Client:	**Bureau Veritas North America**
Project:	**33104-004578.00**
Location:	**Sausage Factory**
Request Date:	**06/08/09**
Samples Received:	**06/08/09**

This data package contains sample and QC results for three water samples, requested for the above referenced project on 06/08/09. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
Matrix spikes QC500391,QC500392 (batch 152076) were not reported because the autosampler had an error that stopped the sequence. No other analytical problems were encountered.

212668

Page 1 of 1

Bureau Veritas North America, Inc.

INTERDEPARTMENTAL INTERNAL CHAIN-OF-CUSTODY

IMPORTANT
Date Results Requested: _____
Rush Charges Authorized? ☐ Yes ☐ No

For Bureau Veritas Use Only
Project No.

INTERNAL DEPARTMENTAL INFORMATION
Consultant's Name: Jeremy Wilson 925-260-3108
Consultant's Office Location: San Ramon
Internal Project No.: 33104.004578.00

OUTSIDE CLIENT INFORMATION
Vision Client Code:
Company Name:
Client Name:
Mailing Address: 2430 Camino Ramon Telephone No.: 925-498-6518
City, State, Zip: San Ramon, CA 94583

PRICING INFORMATION
☐ Fee Schedule Price
☐ Discount Price off list _____
☐ Special Price Attached

Send Report to:
☐ Client ☐ Internal Office
Send Via:
☐ Reg. Mail ☐ Overnight Mail ☐ Email
☐ Fax Fax # _____

Special Instructions:
Report to Tim Bodfish
Standard TAT

Soil Samples Only: Which state are these from? _____

Number of Containers

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)	TPH-g / BTEX 8021B	VOCs 8260B	FOR LAB USE ONLY
1 SVGW-2	6.8.09	1535	GW		X	X	
2 SVGW-3	6.8.09	950	GW		X	X	
3 SVGW-4	6.8.09	1005	GW		X	X	

CHAIN OF CUSTODY

Collected by: Jeremy Wilson (print)	Collector's Signature		
Relinquished by:	Date/Time 6.8.09 1715	Received by:	Date/Time 6/8/09 1715
Relinquished by:	Date/Time	Received by:	Date/Time
Authorized by:	Date	Sample Condition Upon Receipt: ☐ Acceptable ☐ Other (explain)	

(Client Signature **MUST** Accompany Request)

Please return completed form and samples to one of the Bureau Veritas North America, Inc. locations below:
Detroit Lab: (800) 806-5887
Atlanta Lab: (800) 252-9919

Distribution:
White & Yellow: Lab
Pink: Consultant

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 212668 Date Received 6/8/09 Number of coolers 1
Client BUREAU VERITAS Project SWSGHE FACTORY

Date Opened 6/8/09 By (print) M.VILLANUEVA (sign)
Date Logged in J By (print) _____ (sign) _____

1. Did cooler come with a shipping slip (airbill, etc) _____ YES NO
Shipping info _____

2A. Were custody seals present? ... ☐ YES (circle) on cooler on samples ☐ NO
How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? _____ YES NO N/A
3. Were custody papers dry and intact when received? _____ YES NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ YES NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ___ YES NO
6. Indicate the packing in cooler: (if other, describe) _____

☐ Bubble Wrap ☑ Foam blocks ☐ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation:

Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None Temp(°C) _____

☐ Samples Received on ice & cold without a temperature blank

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES NO
If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? _____ YES NO
10. Are samples in the appropriate containers for indicated tests? _____ YES NO
11. Are sample labels present, in good condition and complete? _____ YES NO
12. Do the sample labels agree with custody papers? _____ YES NO
13. Was sufficient amount of sample sent for tests requested? _____ YES NO
14. Are the samples appropriately preserved? _____ YES NO N/A
15. Are bubbles > 6mm absent in VOA samples? _____ YES NO N/A
16. Was the client contacted concerning this sample delivery? _____ YES NO
If YES, Who was called? _____ By _____ Date: _____

COMMENTS
SEDIMENT IN SAMPLES

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Matrix:	Water	Sampled:	06/08/09
Units:	ug/L	Received:	06/08/09

Field ID:	SVGW-2	Diln Fac:	5.000
Type:	SAMPLE	Batch#:	151971
Lab ID:	212668-001	Analyzed:	06/13/09

Analyte	Result	RL	Analysis
Gasoline C7-C12	1,100	250	EPA 8015B
Benzene	350 C	2.5	EPA 8021B
Toluene	ND	2.5	EPA 8021B
Ethylbenzene	45	2.5	EPA 8021B
m,p-Xylenes	19	2.5	EPA 8021B
o-Xylene	ND	2.5	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	95	63-146	EPA 8015B
Bromofluorobenzene (FID)	97	70-140	EPA 8015B
Trifluorotoluene (PID)	104	50-140	EPA 8021B
Bromofluorobenzene (PID)	109	56-132	EPA 8021B

Field ID:	SVGW-3	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	151901
Lab ID:	212668-002	Analyzed:	06/11/09

Analyte	Result	RL	Analysis
Gasoline C7-C12	910 Y	50	EPA 8015B
Benzene	74	0.50	EPA 8021B
Toluene	4.5	0.50	EPA 8021B
Ethylbenzene	13	0.50	EPA 8021B
m,p-Xylenes	2.4	0.50	EPA 8021B
o-Xylene	0.96 C	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	92	63-146	EPA 8015B
Bromofluorobenzene (FID)	120	70-140	EPA 8015B
Trifluorotoluene (PID)	109	50-140	EPA 8021B
Bromofluorobenzene (PID)	116	56-132	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Matrix:	Water	Sampled:	06/08/09
Units:	ug/L	Received:	06/08/09

Field ID:	SVGW-4	Diln Fac:	100.0
Type:	SAMPLE	Batch#:	151971
Lab ID:	212668-003	Analyzed:	06/13/09

Analyte	Result	RL	Analysis
Gasoline C7-C12	61,000	5,000	EPA 8015B
Benzene	17,000 C	50	EPA 8021B
Toluene	16,000 C	50	EPA 8021B
Ethylbenzene	380	50	EPA 8021B
m,p-Xylenes	1,100 C	50	EPA 8021B
o-Xylene	460	50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	92	63-146	EPA 8015B
Bromofluorobenzene (FID)	95	70-140	EPA 8015B
Trifluorotoluene (PID)	101	50-140	EPA 8021B
Bromofluorobenzene (PID)	110	56-132	EPA 8021B

Type:	BLANK	Batch#:	151901
Lab ID:	QC499648	Analyzed:	06/11/09
Diln Fac:	1.000		

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

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	82	63-146	EPA 8015B
Bromofluorobenzene (FID)	82	70-140	EPA 8015B
Trifluorotoluene (PID)	82	50-140	EPA 8021B
Bromofluorobenzene (PID)	82	56-132	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Matrix:	Water	Sampled:	06/08/09
Units:	ug/L	Received:	06/08/09

Type:	BLANK	Batch#:	151971
Lab ID:	QC499927	Analyzed:	06/13/09
Diln Fac:	1.000		

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

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	80	63-146	EPA 8015B
Bromofluorobenzene (FID)	80	70-140	EPA 8015B
Trifluorotoluene (PID)	87	50-140	EPA 8021B
Bromofluorobenzene (PID)	83	56-132	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8021B
Matrix:	Water	Batch#:	151901
Units:	ug/L	Analyzed:	06/11/09
Diln Fac:	1.000		

Type: BS Lab ID: QC499649

Analyte	Spiked	Result	%REC	Limits
Benzene	10.00	9.927	99	79-120
Toluene	10.00	9.912	99	76-122
Ethylbenzene	10.00	10.59	106	77-125
m,p-Xylenes	10.00	10.37	104	76-126
o-Xylene	10.00	9.958	100	77-126

Surrogate	%REC	Limits
Trifluorotoluene (PID)	94	50-140
Bromofluorobenzene (PID)	93	56-132

Type: BSD Lab ID: QC499650

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	10.00	8.170	82	79-120	19	20
Toluene	10.00	8.380	84	76-122	17	21
Ethylbenzene	10.00	9.159	92	77-125	14	21
m,p-Xylenes	10.00	9.252	93	76-126	11	23
o-Xylene	10.00	9.022	90	77-126	10	21

Surrogate	%REC	Limits
Trifluorotoluene (PID)	89	50-140
Bromofluorobenzene (PID)	95	56-132

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC499651	Batch#:	151901
Matrix:	Water	Analyzed:	06/11/09
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	922.8	92	76-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	120	63-146
Bromofluorobenzene (FID)	116	70-140

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	151901
MSS Lab ID:	212734-003	Sampled:	06/09/09
Matrix:	Water	Received:	06/10/09
Units:	ug/L	Analyzed:	06/12/09
Diln Fac:	1.000		

Type: MS Lab ID: QC499652

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	163.2	2,000	2,050	94	66-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	108	63-146
Bromofluorobenzene (FID)	131	70-140

Type: MSD Lab ID: QC499653

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,043	94	66-120	0	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	113	63-146
Bromofluorobenzene (FID)	135	70-140

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8021B
Matrix:	Water	Batch#:	151971
Units:	ug/L	Analyzed:	06/13/09
Diln Fac:	1.000		

Type: BS Lab ID: QC499928

Analyte	Spiked	Result	%REC	Limits
Benzene	10.00	8.546	85	79-120
Toluene	10.00	8.743	87	76-122
Ethylbenzene	10.00	9.802	98	77-125
m,p-Xylenes	10.00	9.697	97	76-126
o-Xylene	10.00	9.510	95	77-126

Surrogate	%REC	Limits
Trifluorotoluene (PID)	96	50-140
Bromofluorobenzene (PID)	103	56-132

Type: BSD Lab ID: QC499929

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	20.00	18.18	91	79-120	6	20
Toluene	20.00	17.34	87	76-122	1	21
Ethylbenzene	20.00	18.28	91	77-125	7	21
m,p-Xylenes	20.00	18.00	90	76-126	7	23
o-Xylene	20.00	17.22	86	77-126	10	21

Surrogate	%REC	Limits
Trifluorotoluene (PID)	94	50-140
Bromofluorobenzene (PID)	98	56-132

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC499930	Batch#:	151971
Matrix:	Water	Analyzed:	06/13/09
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	899.1	90	76-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	111	63-146
Bromofluorobenzene (FID)	106	70-140

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	151971
MSS Lab ID:	212780-001	Sampled:	06/10/09
Matrix:	Water	Received:	06/10/09
Units:	ug/L	Analyzed:	06/14/09
Diln Fac:	1.000		

Type: MS Lab ID: QC499931

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	16.16	2,000	1,984	98	66-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	144	63-146
Bromofluorobenzene (FID)	135	70-140

Type: MSD Lab ID: QC499932

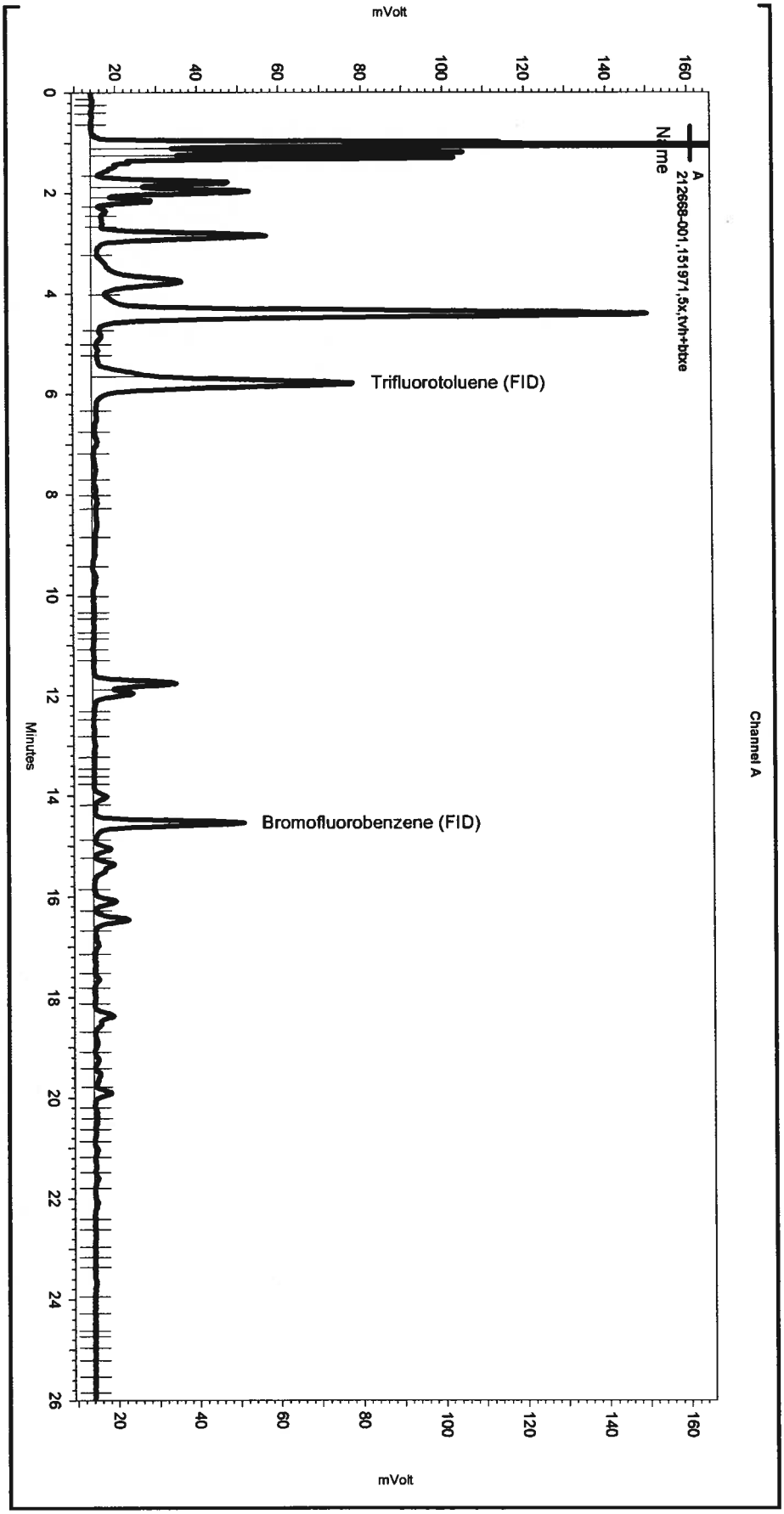
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,953	97	66-120	2	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	145	63-146
Bromofluorobenzene (FID)	131	70-140

RPD= Relative Percent Difference

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC04\Sequence\164.seq**
Sample Name: **212668-001,151971,5x,tvh+btxe**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC04\Data\164_012**
Instrument: GC04 (Offline) Vial: N/A Operator: Weldon Hall (lims2k3\weldon)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe162.met

Software Version 3.1.7
Run Date: 6/13/2009 2:53:43 PM
Analysis Date: 6/15/2009 10:42:47 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: a1.3,HS<1ml



---< General Method Parameters >---

No items selected for this section

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No items selected for this section

Integration Events

Enabled	Event Type	Start (MInutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

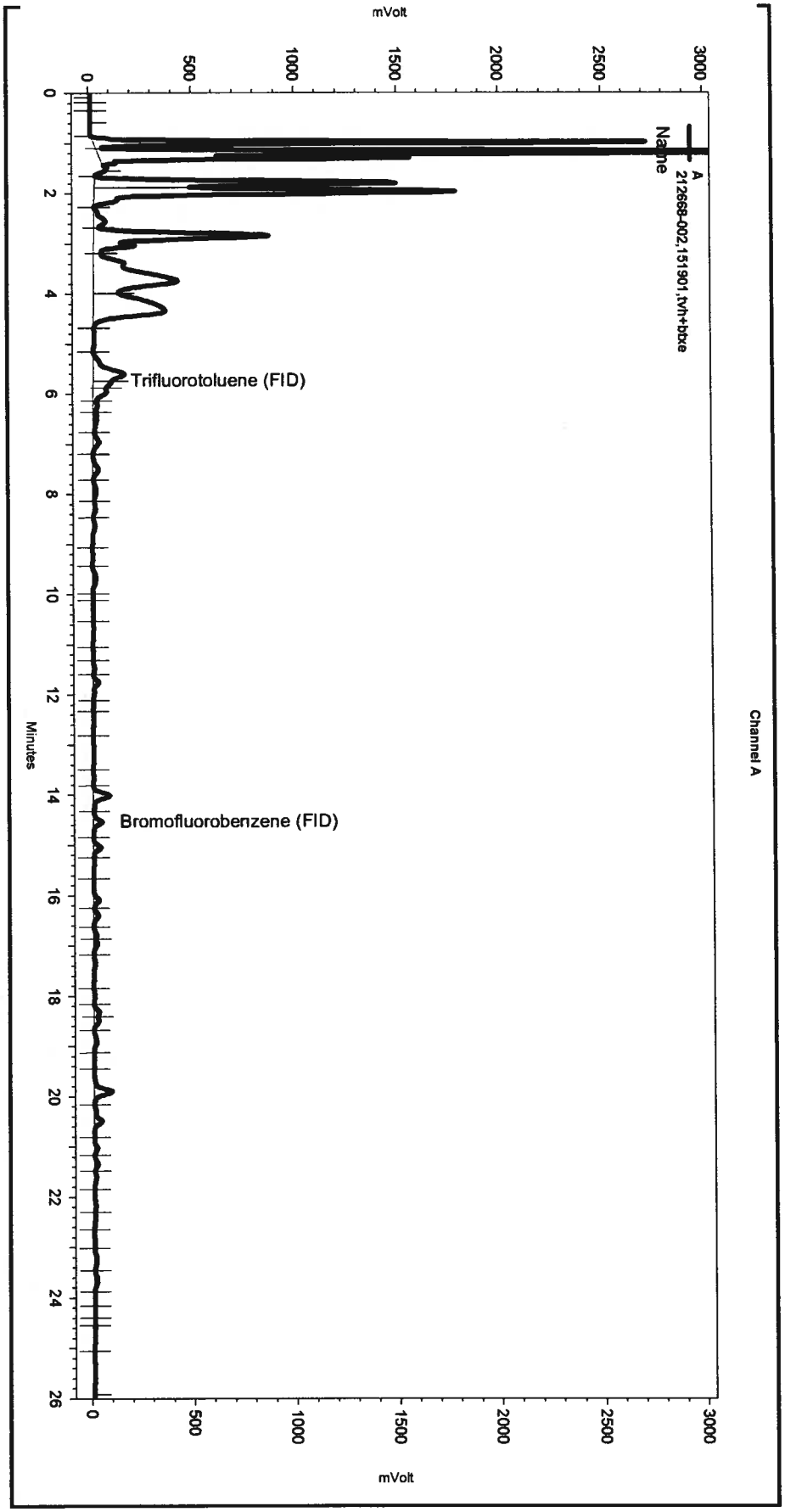
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\164_012

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	5.647	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC04\Sequence\162.seq
Sample Name: **212668-002,151901,tvh+btxe**
Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\162_017
Instrument: GC04 (Offline) Vial: N/A Operator: Weldon Hall (lims2k3\weldon)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbbxe162.met

Software Version 3.1.7
Run Date: 6/11/2009 7:08:09 PM
Analysis Date: 6/12/2009 12:54:33 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: e1.6



---< General Method Parameters >---

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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

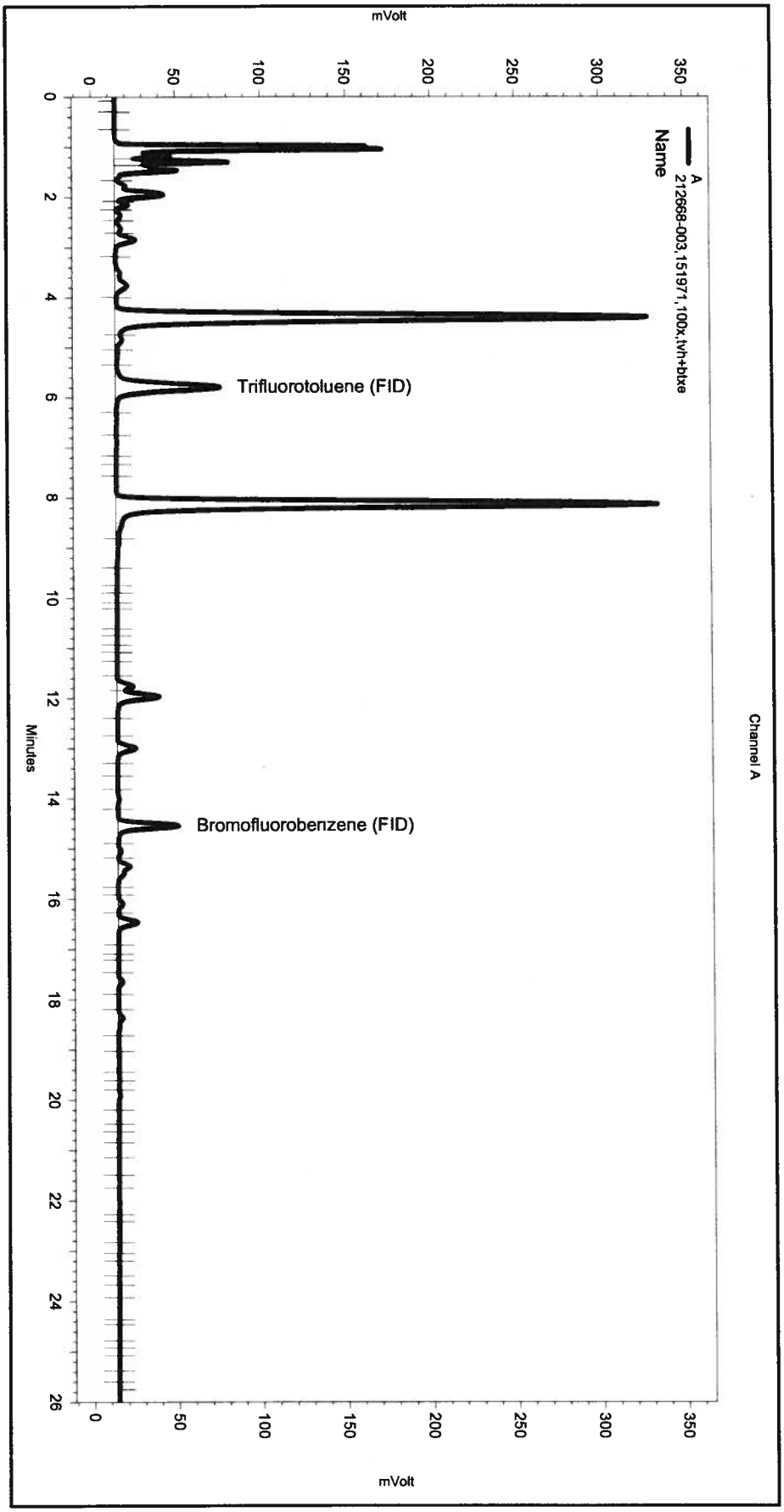
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\162_017

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	5.726	0	0
Yes	Split Peak	5.883	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC04\Sequence\164.seq**
Sample Name: **212668-003,151971,100x,tvh+btxe**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC04\Data\164_013**
Instrument: GC04 Vial: N/A Operator: lims2k3\tvh3
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe162.met

Software Version 3.1.7
Run Date: 6/13/2009 3:31:21 PM
Analysis Date: 6/13/2009 4:00:53 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: a1.3,HS<1ml



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

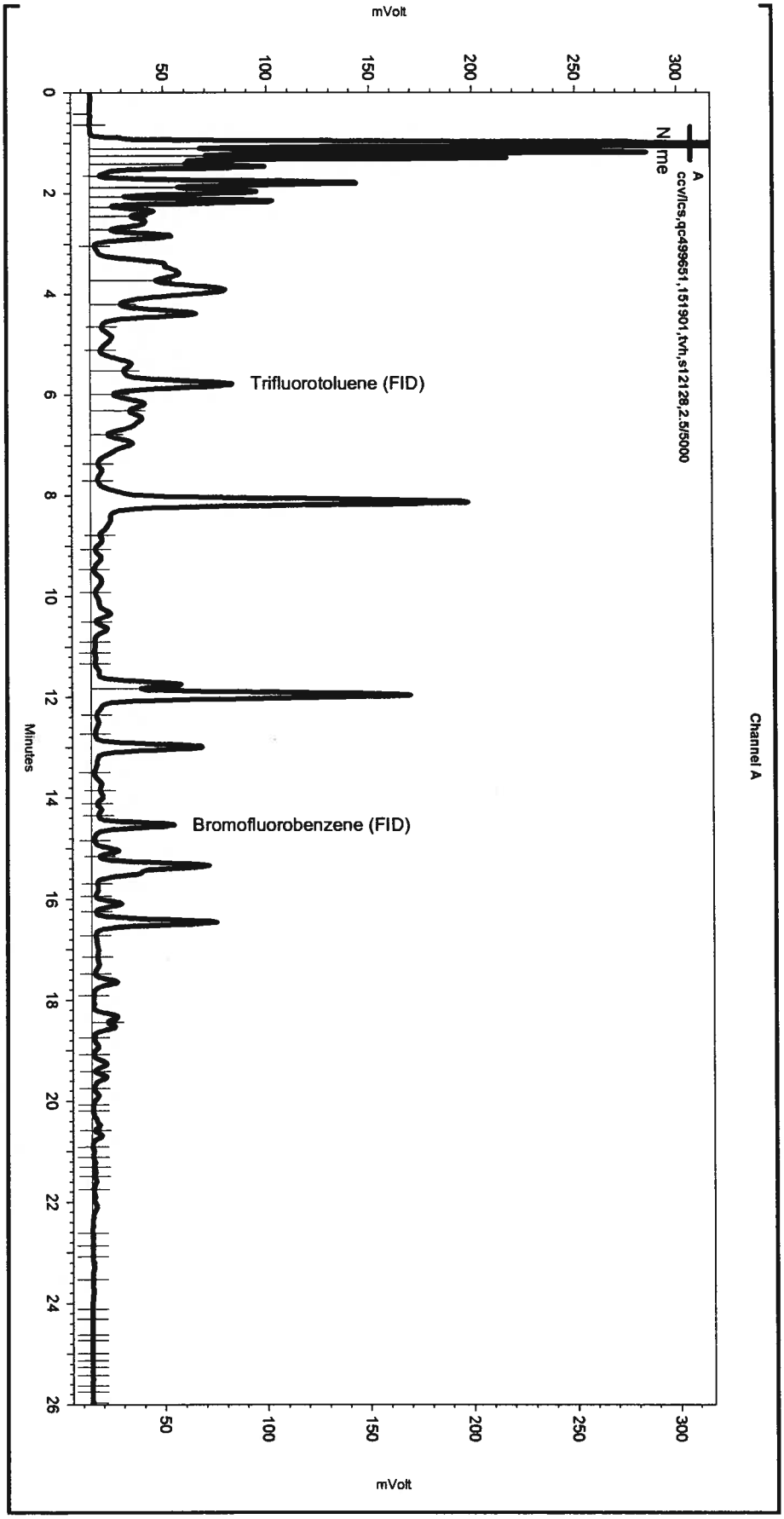
Manual Integration Fixes

Data File: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.10047\164_013_0522.tmp

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC04\Sequence\162.seq**
Sample Name: **ccv/lcs,qc499651,151901,tvh,s12128,2.5/5000**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC04\Data\162_003**
Instrument: GC04 (Offline) Vial: N/A Operator: Weldon Hall (lims2k3\weldon)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe162.met

Software Version 3.1.7
Run Date: 6/11/2009 9:04:39 AM
Analysis Date: 6/12/2009 12:53:41 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: {Data Description}



---< General Method Parameters >---

No items selected for this section

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No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\162_003

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value

None

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	SVGW-2	Batch#:	152076
Lab ID:	212668-001	Sampled:	06/08/09
Matrix:	Water	Received:	06/08/09
Units:	ug/L	Analyzed:	06/17/09
Diln Fac:	3.333		

Analyte	Result	RL
Freon 12	ND	3.3
Chloromethane	ND	3.3
Vinyl Chloride	ND	1.7
Bromomethane	ND	3.3
Chloroethane	ND	3.3
Trichlorofluoromethane	ND	3.3
Acetone	ND	33
Freon 113	ND	6.7
1,1-Dichloroethene	ND	1.7
Methylene Chloride	ND	33
Carbon Disulfide	ND	1.7
MTBE	ND	1.7
trans-1,2-Dichloroethene	ND	1.7
Vinyl Acetate	ND	33
1,1-Dichloroethane	ND	1.7
2-Butanone	ND	33
cis-1,2-Dichloroethene	3.9	1.7
2,2-Dichloropropane	ND	1.7
Chloroform	ND	1.7
Bromochloromethane	ND	1.7
1,1,1-Trichloroethane	ND	1.7
1,1-Dichloropropene	ND	1.7
Carbon Tetrachloride	ND	1.7
1,2-Dichloroethane	3.8	1.7
Benzene	290	1.7
Trichloroethene	ND	1.7
1,2-Dichloropropane	ND	1.7
Bromodichloromethane	ND	1.7
Dibromomethane	ND	1.7
4-Methyl-2-Pentanone	ND	33
cis-1,3-Dichloropropene	ND	1.7
Toluene	ND	1.7
trans-1,3-Dichloropropene	ND	1.7
1,1,2-Trichloroethane	ND	1.7
2-Hexanone	ND	33
1,3-Dichloropropane	ND	1.7
Tetrachloroethene	ND	1.7

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	SVGW-2	Batch#:	152076
Lab ID:	212668-001	Sampled:	06/08/09
Matrix:	Water	Received:	06/08/09
Units:	ug/L	Analyzed:	06/17/09
Diln Fac:	3.333		

Analyte	Result	RL
Dibromochloromethane	ND	1.7
1,2-Dibromoethane	ND	1.7
Chlorobenzene	ND	1.7
1,1,1,2-Tetrachloroethane	ND	1.7
Ethylbenzene	43	1.7
m,p-Xylenes	20	1.7
o-Xylene	ND	1.7
Styrene	ND	1.7
Bromoform	ND	3.3
Isopropylbenzene	6.5	1.7
1,1,2,2-Tetrachloroethane	ND	1.7
1,2,3-Trichloropropane	ND	1.7
Propylbenzene	8.5	1.7
Bromobenzene	ND	1.7
1,3,5-Trimethylbenzene	5.3	1.7
2-Chlorotoluene	ND	1.7
4-Chlorotoluene	ND	1.7
tert-Butylbenzene	1.9	1.7
1,2,4-Trimethylbenzene	20	1.7
sec-Butylbenzene	2.1	1.7
para-Isopropyl Toluene	ND	1.7
1,3-Dichlorobenzene	ND	1.7
1,4-Dichlorobenzene	ND	1.7
n-Butylbenzene	3.8	1.7
1,2-Dichlorobenzene	ND	1.7
1,2-Dibromo-3-Chloropropane	ND	6.7
1,2,4-Trichlorobenzene	ND	1.7
Hexachlorobutadiene	ND	6.7
Naphthalene	ND	6.7
1,2,3-Trichlorobenzene	ND	1.7

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-122
1,2-Dichloroethane-d4	87	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	95	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	SVGW-3	Batch#:	151958
Lab ID:	212668-002	Sampled:	06/08/09
Matrix:	Water	Received:	06/08/09
Units:	ug/L	Analyzed:	06/13/09
Diln Fac:	5.000		

Analyte	Result	RL
Freon 12	ND	5.0
Chloromethane	ND	5.0
Vinyl Chloride	92	2.5
Bromomethane	ND	5.0
Chloroethane	ND	5.0
Trichlorofluoromethane	ND	5.0
Acetone	69	50
Freon 113	ND	10
1,1-Dichloroethene	ND	2.5
Methylene Chloride	ND	50
Carbon Disulfide	2.6	2.5
MTBE	ND	2.5
trans-1,2-Dichloroethene	31	2.5
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	2.5
2-Butanone	ND	50
cis-1,2-Dichloroethene	220	2.5
2,2-Dichloropropane	ND	2.5
Chloroform	ND	2.5
Bromochloromethane	ND	2.5
1,1,1-Trichloroethane	ND	2.5
1,1-Dichloropropene	ND	2.5
Carbon Tetrachloride	ND	2.5
1,2-Dichloroethane	ND	2.5
Benzene	45	2.5
Trichloroethene	ND	2.5
1,2-Dichloropropane	ND	2.5
Bromodichloromethane	ND	2.5
Dibromomethane	ND	2.5
4-Methyl-2-Pentanone	ND	50
cis-1,3-Dichloropropene	ND	2.5
Toluene	ND	2.5
trans-1,3-Dichloropropene	ND	2.5
1,1,2-Trichloroethane	ND	2.5
2-Hexanone	ND	50
1,3-Dichloropropane	ND	2.5
Tetrachloroethene	ND	2.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	SVGW-3	Batch#:	151958
Lab ID:	212668-002	Sampled:	06/08/09
Matrix:	Water	Received:	06/08/09
Units:	ug/L	Analyzed:	06/13/09
Diln Fac:	5.000		

Analyte	Result	RL
Dibromochloromethane	ND	2.5
1,2-Dibromoethane	ND	2.5
Chlorobenzene	ND	2.5
1,1,1,2-Tetrachloroethane	ND	2.5
Ethylbenzene	12	2.5
m,p-Xylenes	7.4	2.5
o-Xylene	ND	2.5
Styrene	ND	2.5
Bromoform	ND	5.0
Isopropylbenzene	33	2.5
1,1,2,2-Tetrachloroethane	ND	2.5
1,2,3-Trichloropropane	ND	2.5
Propylbenzene	14	2.5
Bromobenzene	ND	2.5
1,3,5-Trimethylbenzene	ND	2.5
2-Chlorotoluene	ND	2.5
4-Chlorotoluene	ND	2.5
tert-Butylbenzene	11	2.5
1,2,4-Trimethylbenzene	4.9	2.5
sec-Butylbenzene	8.2	2.5
para-Isopropyl Toluene	ND	2.5
1,3-Dichlorobenzene	ND	2.5
1,4-Dichlorobenzene	ND	2.5
n-Butylbenzene	9.2	2.5
1,2-Dichlorobenzene	ND	2.5
1,2-Dibromo-3-Chloropropane	ND	10
1,2,4-Trichlorobenzene	ND	2.5
Hexachlorobutadiene	ND	10
Naphthalene	ND	10
1,2,3-Trichlorobenzene	ND	2.5

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-122
1,2-Dichloroethane-d4	113	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	100	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	SVGW-4	Batch#:	152026
Lab ID:	212668-003	Sampled:	06/08/09
Matrix:	Water	Received:	06/08/09
Units:	ug/L	Analyzed:	06/16/09
Diln Fac:	250.0		

Analyte	Result	RL
Freon 12	ND	250
Chloromethane	ND	250
Vinyl Chloride	ND	130
Bromomethane	ND	250
Chloroethane	ND	250
Trichlorofluoromethane	ND	250
Acetone	ND	2,500
Freon 113	ND	500
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	2,500
Carbon Disulfide	ND	130
MTBE	ND	130
trans-1,2-Dichloroethene	ND	130
Vinyl Acetate	ND	2,500
1,1-Dichloroethane	ND	130
2-Butanone	ND	2,500
cis-1,2-Dichloroethene	ND	130
2,2-Dichloropropane	ND	130
Chloroform	ND	130
Bromochloromethane	ND	130
1,1,1-Trichloroethane	ND	130
1,1-Dichloropropene	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	240	130
Benzene	15,000	130
Trichloroethene	ND	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
Dibromomethane	ND	130
4-Methyl-2-Pentanone	ND	2,500
cis-1,3-Dichloropropene	ND	130
Toluene	15,000	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
2-Hexanone	ND	2,500
1,3-Dichloropropane	ND	130
Tetrachloroethene	ND	130

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	SVGW-4	Batch#:	152026
Lab ID:	212668-003	Sampled:	06/08/09
Matrix:	Water	Received:	06/08/09
Units:	ug/L	Analyzed:	06/16/09
Diln Fac:	250.0		

Analyte	Result	RL
Dibromochloromethane	ND	130
1,2-Dibromoethane	ND	130
Chlorobenzene	ND	130
1,1,1,2-Tetrachloroethane	ND	130
Ethylbenzene	400	130
m,p-Xylenes	1,000	130
o-Xylene	460	130
Styrene	ND	130
Bromoform	ND	250
Isopropylbenzene	ND	130
1,1,2,2-Tetrachloroethane	ND	130
1,2,3-Trichloropropane	ND	130
Propylbenzene	ND	130
Bromobenzene	ND	130
1,3,5-Trimethylbenzene	150	130
2-Chlorotoluene	ND	130
4-Chlorotoluene	ND	130
tert-Butylbenzene	ND	130
1,2,4-Trimethylbenzene	620	130
sec-Butylbenzene	ND	130
para-Isopropyl Toluene	ND	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
n-Butylbenzene	ND	130
1,2-Dichlorobenzene	ND	130
1,2-Dibromo-3-Chloropropane	ND	500
1,2,4-Trichlorobenzene	ND	130
Hexachlorobutadiene	ND	500
Naphthalene	ND	500
1,2,3-Trichlorobenzene	ND	130

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-122
1,2-Dichloroethane-d4	101	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	103	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC499878	Batch#:	151958
Matrix:	Water	Analyzed:	06/12/09
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC499878	Batch#:	151958
Matrix:	Water	Analyzed:	06/12/09
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-122
1,2-Dichloroethane-d4	121	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	101	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	151958
Units:	ug/L	Analyzed:	06/12/09
Diln Fac:	1.000		

Type: BS Lab ID: QC499879

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	23.50	94	74-132
Benzene	25.00	23.44	94	80-120
Trichloroethene	25.00	26.02	104	80-120
Toluene	25.00	24.10	96	80-120
Chlorobenzene	25.00	23.91	96	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-122
1,2-Dichloroethane-d4	115	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	99	80-125

Type: BSD Lab ID: QC499880

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	24.70	99	74-132	5	20
Benzene	25.00	24.29	97	80-120	4	20
Trichloroethene	25.00	26.46	106	80-120	2	20
Toluene	25.00	25.18	101	80-120	4	20
Chlorobenzene	25.00	24.58	98	80-120	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	104	80-122
1,2-Dichloroethane-d4	116	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	100	80-125

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC500151	Batch#:	152026
Matrix:	Water	Analyzed:	06/16/09
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	25.33	101	74-132
Benzene	25.00	24.91	100	80-120
Trichloroethene	25.00	25.04	100	80-120
Toluene	25.00	25.09	100	80-120
Chlorobenzene	25.00	24.66	99	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-122
1,2-Dichloroethane-d4	98	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	98	80-125

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC500152	Batch#:	152026
Matrix:	Water	Analyzed:	06/16/09
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC500152	Batch#:	152026
Matrix:	Water	Analyzed:	06/16/09
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-122
1,2-Dichloroethane-d4	93	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	104	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	152026
MSS Lab ID:	212747-001	Sampled:	06/10/09
Matrix:	Water	Received:	06/10/09
Units:	ug/L	Analyzed:	06/16/09
Diln Fac:	1.000		

Type: MS Lab ID: QC500171

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.1000	25.00	26.95	108	77-134
Benzene	<0.1000	25.00	25.75	103	80-122
Trichloroethene	<0.1000	25.00	25.81	103	75-130
Toluene	<0.1000	25.00	25.61	102	80-121
Chlorobenzene	<0.1000	25.00	24.75	99	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-122
1,2-Dichloroethane-d4	103	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	96	80-125

Type: MSD Lab ID: QC500172

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	25.98	104	77-134	4	20
Benzene	25.00	24.58	98	80-122	5	20
Trichloroethene	25.00	24.67	99	75-130	5	20
Toluene	25.00	24.84	99	80-121	3	20
Chlorobenzene	25.00	23.65	95	80-120	5	20

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-122
1,2-Dichloroethane-d4	101	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	98	80-125

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC500348	Batch#:	152076
Matrix:	Water	Analyzed:	06/17/09
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	26.26	105	74-132
Benzene	25.00	24.02	96	80-120
Trichloroethene	25.00	24.94	100	80-120
Toluene	25.00	26.18	105	80-120
Chlorobenzene	25.00	25.44	102	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-122
1,2-Dichloroethane-d4	84	77-137
Toluene-d8	96	80-120
Bromofluorobenzene	96	80-125

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC500349	Batch#:	152076
Matrix:	Water	Analyzed:	06/17/09
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC500349	Batch#:	152076
Matrix:	Water	Analyzed:	06/17/09
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-122
1,2-Dichloroethane-d4	90	77-137
Toluene-d8	102	80-120
Bromofluorobenzene	100	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212668	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	152076
MSS Lab ID:	212851-005	Sampled:	06/15/09
Matrix:	Water	Received:	06/15/09
Units:	ug/L	Analyzed:	06/18/09
Diln Fac:	1.000		

Type: MS Lab ID: QC500391

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	3.031	25.00	27.80	99	77-134
Benzene	<0.1000	25.00	23.84	95	80-122
Trichloroethene	16.63	25.00	38.19	86	75-130
Toluene	0.4282	25.00	25.97	102	80-121
Chlorobenzene	<0.1000	25.00	25.90	104	80-120

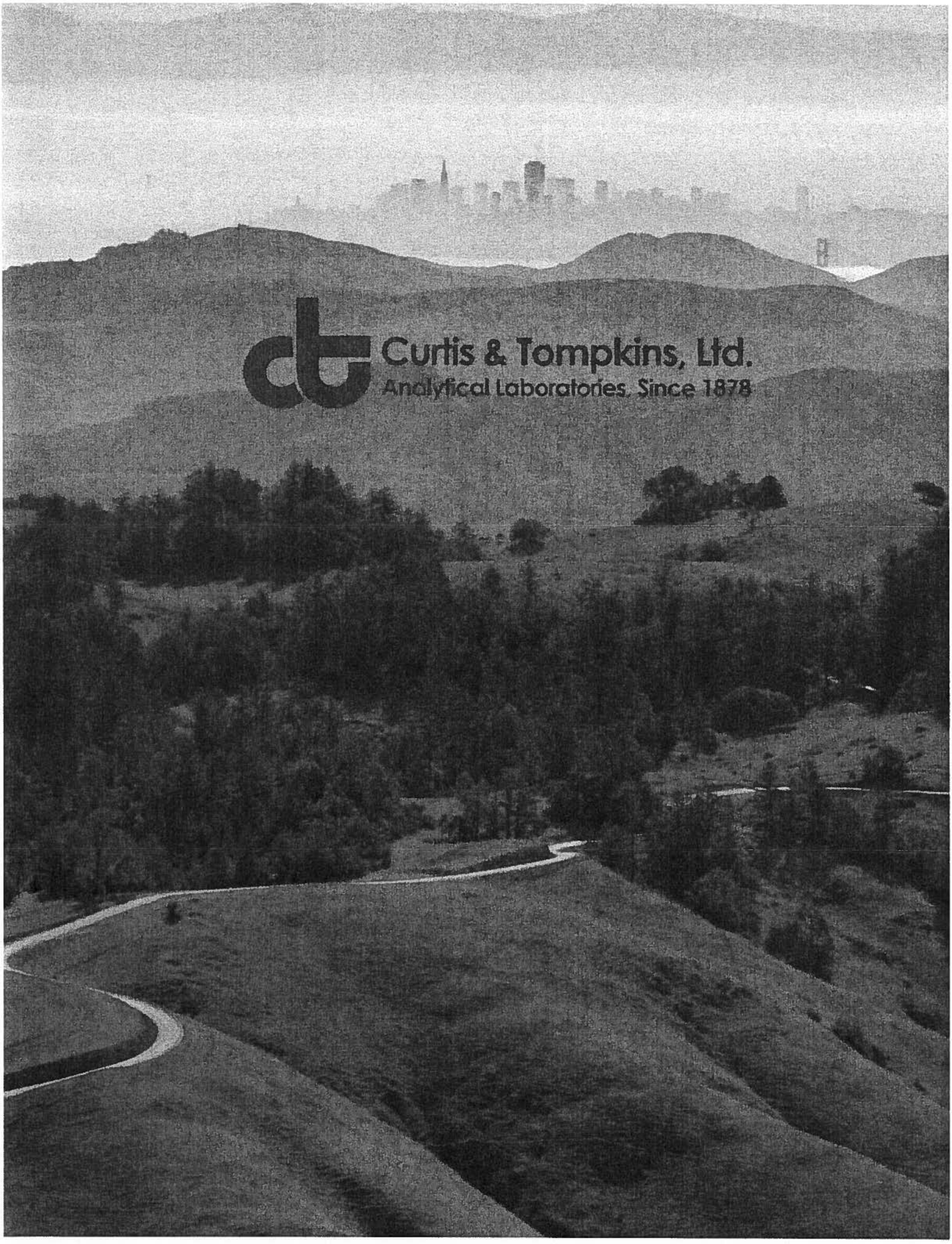
Surrogate	%REC	Limits
Dibromofluoromethane	90	80-122
1,2-Dichloroethane-d4	84	77-137
Toluene-d8	95	80-120
Bromofluorobenzene	95	80-125

Type: MSD Lab ID: QC500392

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	26.56	94	77-134	5	20
Benzene	25.00	22.50	90	80-122	6	20
Trichloroethene	25.00	36.15	78	75-130	5	20
Toluene	25.00	25.42	100	80-121	2	20
Chlorobenzene	25.00	25.26	101	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	90	80-122
1,2-Dichloroethane-d4	83	77-137
Toluene-d8	96	80-120
Bromofluorobenzene	98	80-125

RPD= Relative Percent Difference


Curtis & Tompkins, Ltd.
Analytical Laboratories. Since 1878

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

Laboratory Job Number 212767
ANALYTICAL REPORT

Bureau Veritas North America	Project : 33104-004578.00
2430 Camino Ramon	Location : Sausage Factory
San Ramon, Ca 94583	Level : II

Sample ID	Lab ID
SVGW-1	212767-001

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. This report may be reproduced only in its entirety.

Signature: _____ Date: 06/18/2009
Project Manager

Signature: _____ Date: 06/18/2009
Senior Program Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**212767**
Client:	**Bureau Veritas North America**
Project:	**33104-004578.00**
Location:	**Sausage Factory**
Request Date:	**06/10/09**
Samples Received:	**06/10/09**

This data package contains sample and QC results for one water sample, requested for the above referenced project on 06/10/09. The sample was received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B):
Samples analyzed within 7 day hold time for unpreserved containers. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
Samples analyzed within 7 day hold time for unpreserved containers. No other analytical problems were encountered.

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

CHAIN OF CUSTODY

C & T LOGIN #: 212767 (212768) H2 06/11/09

Sampler: Jeremy Wilson
Project No.: 33604-004528.00
Report To: Tim Bodkin
Project Name: Former Sausage Factory
Company: Bureau Veritas
Project P.O.:
Telephone: 925-426-2626
Turnaround Time: Standard
Fax: 925-426-0106

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste	# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE	Analysis: TPH-g +BTEX 8021B	VOCs 8260B
	SVGW-1	6-10-09 1000		X		6	X			X	X	X

Notes:

SAMPLE RECEIPT
☐ Intact ☐ Cold
☑ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY: 6-10-09 1245 DATE / TIME

RECEIVED BY: 6/10/09 1245 DATE / TIME

DATE / TIME

DATE / TIME

DATE / TIME

DATE / TIME

SIGNATURE

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # ~~212706~~ 212707 Date Received 6/10/09 Number of coolers 1
Client Bureau Veritas Project Former Sausage Factory

Date Opened 6/10/09 By (print) Micah Smith (sign) [signature]
Date Logged in 6/11/09 By (print) A. KATHAIN (sign) [signature]

1. Did cooler come with a shipping slip (airbill, etc) _____ YES (NO)
   Shipping info _____
2A. Were custody seals present? ... ☐ YES (circle) on cooler on samples ☐ NO
   How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? _____ YES NO (N/A)
3. Were custody papers dry and intact when received? _____ (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ___ (YES) NO
6. Indicate the packing in cooler: (if other, describe) _____

☐ Bubble Wrap ☐ Foam blocks ☒ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation:

Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None Temp(°C) _____

☒ Samples Received on ice & cold without a temperature blank

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES (NO)
   If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? _____ (YES) NO
10. Are samples in the appropriate containers for indicated tests? _____ (YES) NO
11. Are sample labels present, in good condition and complete? _____ (YES) NO
12. Do the sample labels agree with custody papers? _____ (YES) NO
13. Was sufficient amount of sample sent for tests requested? _____ (YES) NO
14. Are the samples appropriately preserved? _____ (YES) NO N/A
15. Are bubbles > 6mm absent in VOA samples? _____ (YES) NO N/A
16. Was the client contacted concerning this sample delivery? _____ YES NO
   If YES, Who was called? _____ By _____ Date: _____

COMMENTS

_____
_____
_____
_____
_____
_____
_____
_____

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212767	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Field ID:	SVGW-1	Batch#:	152049
Matrix:	Water	Sampled:	06/10/09
Units:	ug/L	Received:	06/10/09

Type: SAMPLE Lab ID: 212767-001

Analyte	Result	RL	Diln Fac	Analyzed	Analysis
Gasoline C7-C12	9,700	50	1.000	06/16/09	EPA 8015B
Benzene	4,100	10	20.00	06/17/09	EPA 8021B
Toluene	230	10	20.00	06/17/09	EPA 8021B
Ethylbenzene	230	10	20.00	06/17/09	EPA 8021B
m,p-Xylenes	410	10	20.00	06/17/09	EPA 8021B
o-Xylene	100	10	20.00	06/17/09	EPA 8021B

Surrogate	%REC	Limits	Diln Fac	Analyzed	Analysis
Trifluorotoluene (FID)	143	63-146	1.000	06/16/09	EPA 8015B
Bromofluorobenzene (FID)	118	70-140	1.000	06/16/09	EPA 8015B
Trifluorotoluene (PID)	108	50-140	20.00	06/17/09	EPA 8021B
Bromofluorobenzene (PID)	102	56-132	20.00	06/17/09	EPA 8021B

Type: BLANK Diln Fac: 1.000
Lab ID: QC500241 Analyzed: 06/16/09

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

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	96	63-146	EPA 8015B
Bromofluorobenzene (FID)	99	70-140	EPA 8015B
Trifluorotoluene (PID)	89	50-140	EPA 8021B
Bromofluorobenzene (PID)	94	56-132	EPA 8021B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212767	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8021B
Matrix:	Water	Batch#:	152049
Units:	ug/L	Analyzed:	06/16/09
Diln Fac:	1.000		

Type: BS Lab ID: QC500242

Analyte	Spiked	Result	%REC	Limits
Benzene	10.00	9.167	92	79-120
Toluene	10.00	9.579	96	76-122
Ethylbenzene	10.00	9.590	96	77-125
m,p-Xylenes	10.00	10.12	101	76-126
o-Xylene	10.00	9.235	92	77-126

Surrogate	%REC	Limits
Trifluorotoluene (PID)	100	50-140
Bromofluorobenzene (PID)	101	56-132

Type: BSD Lab ID: QC500243

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	20.00	19.41	97	79-120	6	20
Toluene	20.00	19.94	100	76-122	4	21
Ethylbenzene	20.00	19.65	98	77-125	2	21
m,p-Xylenes	20.00	20.38	102	76-126	1	23
o-Xylene	20.00	18.51	93	77-126	0	21

Surrogate	%REC	Limits
Trifluorotoluene (PID)	106	50-140
Bromofluorobenzene (PID)	110	56-132

RPD= Relative Percent Difference

7.0

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212767	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC500244	Batch#:	152049
Matrix:	Water	Analyzed:	06/16/09
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	873.7	87	76-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	116	63-146
Bromofluorobenzene (FID)	105	70-140

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212767	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	152049
MSS Lab ID:	212844-001	Sampled:	06/12/09
Matrix:	Water	Received:	06/15/09
Units:	ug/L	Analyzed:	06/17/09
Diln Fac:	1.000		

Type: MS Lab ID: QC500245

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	20.01	2,000	1,666	82	66-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	132	63-146
Bromofluorobenzene (FID)	111	70-140

Type: MSD Lab ID: QC500246

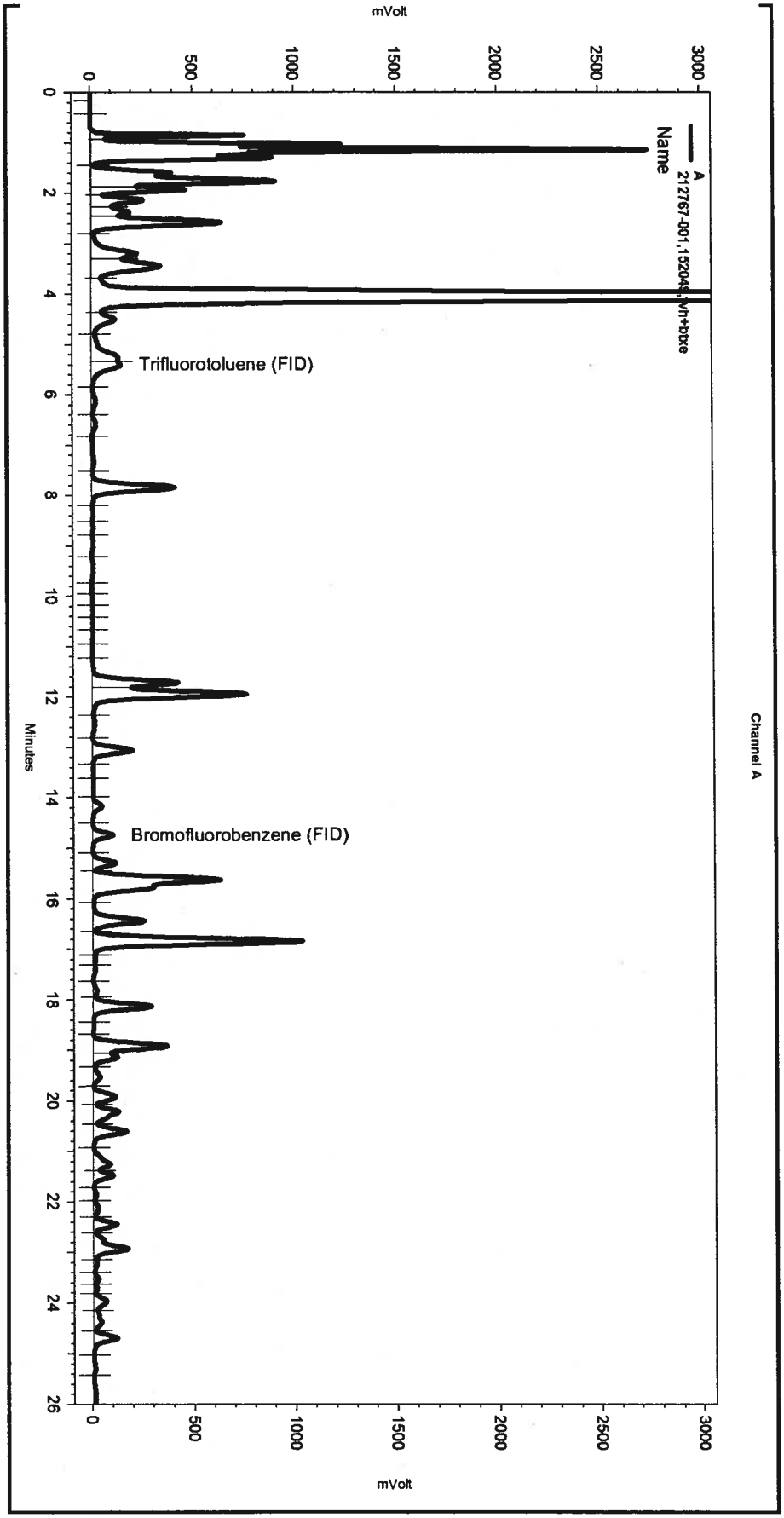
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,635	81	66-120	2	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	132	63-146
Bromofluorobenzene (FID)	110	70-140

RPD= Relative Percent Difference

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC05\Sequence\167.seq**
Sample Name: **212767-001,152049,tvh+btxe**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC05\Data\167_007**
Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe150.met

Software Version 3.1.7
Run Date: 6/16/2009 5:16:43 PM
Analysis Date: 6/17/2009 10:15:06 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: a7



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

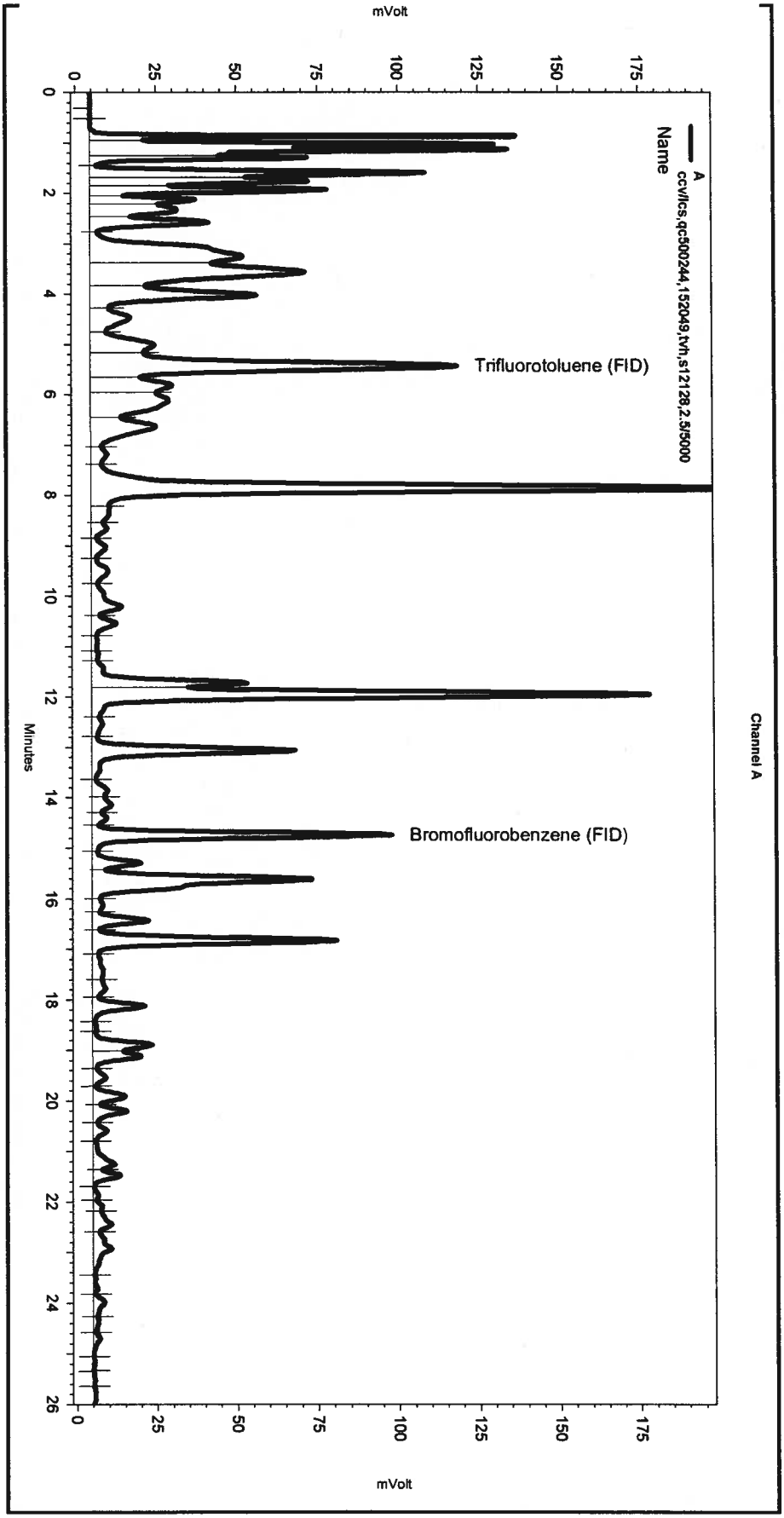
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\167_007

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0	26.017	0
Yes	Split Peak	5.331	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC05\Sequence\167.seq**
Sample Name: **ccv/lcs,qc500244,152049,tvh,s12128,2.5/5000**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC05\Data\167_003**
Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe150.met

Software Version 3.1.7
Run Date: 6/16/2009 11:47:27 AM
Analysis Date: 6/17/2009 7:38:28 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: {Data Description}



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\167_003

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
None				

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212767	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	SVGW-1	Batch#:	152026
Lab ID:	212767-001	Sampled:	06/10/09
Matrix:	Water	Received:	06/10/09
Units:	ug/L	Analyzed:	06/16/09
Diln Fac:	50.00		

Analyte	Result	RL
Freon 12	ND	50
Chloromethane	ND	50
Vinyl Chloride	ND	25
Bromomethane	ND	50
Chloroethane	ND	50
Trichlorofluoromethane	ND	50
Acetone	ND	500
Freon 113	ND	100
1,1-Dichloroethene	ND	25
Methylene Chloride	ND	500
Carbon Disulfide	ND	25
MTBE	ND	25
trans-1,2-Dichloroethene	ND	25
Vinyl Acetate	ND	500
1,1-Dichloroethane	ND	25
2-Butanone	ND	500
cis-1,2-Dichloroethene	ND	25
2,2-Dichloropropane	ND	25
Chloroform	ND	25
Bromochloromethane	ND	25
1,1,1-Trichloroethane	ND	25
1,1-Dichloropropene	ND	25
Carbon Tetrachloride	ND	25
1,2-Dichloroethane	ND	25
Benzene	4,100	25
Trichloroethene	ND	25
1,2-Dichloropropane	ND	25
Bromodichloromethane	ND	25
Dibromomethane	ND	25
4-Methyl-2-Pentanone	ND	500
cis-1,3-Dichloropropene	ND	25
Toluene	210	25
trans-1,3-Dichloropropene	ND	25
1,1,2-Trichloroethane	ND	25
2-Hexanone	ND	500
1,3-Dichloropropane	ND	25
Tetrachloroethene	ND	25

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	212767	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	SVGW-1	Batch#:	152026
Lab ID:	212767-001	Sampled:	06/10/09
Matrix:	Water	Received:	06/10/09
Units:	ug/L	Analyzed:	06/16/09
Diln Fac:	50.00		

Analyte	Result	RL
Dibromochloromethane	ND	25
1,2-Dibromoethane	ND	25
Chlorobenzene	ND	25
1,1,1,2-Tetrachloroethane	ND	25
Ethylbenzene	210	25
m,p-Xylenes	400	25
o-Xylene	91	25
Styrene	ND	25
Bromoform	ND	50
Isopropylbenzene	ND	25
1,1,2,2-Tetrachloroethane	ND	25
1,2,3-Trichloropropane	ND	25
Propylbenzene	50	25
Bromobenzene	ND	25
1,3,5-Trimethylbenzene	140	25
2-Chlorotoluene	ND	25
4-Chlorotoluene	ND	25
tert-Butylbenzene	ND	25
1,2,4-Trimethylbenzene	550	25
sec-Butylbenzene	ND	25
para-Isopropyl Toluene	ND	25
1,3-Dichlorobenzene	ND	25
1,4-Dichlorobenzene	ND	25
n-Butylbenzene	ND	25
1,2-Dichlorobenzene	ND	25
1,2-Dibromo-3-Chloropropane	ND	100
1,2,4-Trichlorobenzene	ND	25
Hexachlorobutadiene	ND	100
Naphthalene	210	100
1,2,3-Trichlorobenzene	ND	25

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-122
1,2-Dichloroethane-d4	102	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	100	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212767	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC500151	Batch#:	152026
Matrix:	Water	Analyzed:	06/16/09
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	25.33	101	74-132
Benzene	25.00	24.91	100	80-120
Trichloroethene	25.00	25.04	100	80-120
Toluene	25.00	25.09	100	80-120
Chlorobenzene	25.00	24.66	99	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-122
1,2-Dichloroethane-d4	98	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	98	80-125

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212767	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC500152	Batch#:	152026
Matrix:	Water	Analyzed:	06/16/09
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Acetone	ND	10
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212767	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC500152	Batch#:	152026
Matrix:	Water	Analyzed:	06/16/09
Units:	ug/L		

Analyte	Result	RL
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	2.0
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-122
1,2-Dichloroethane-d4	93	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	104	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Organics by GC/MS

Lab #:	212767	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	152026
MSS Lab ID:	212747-001	Sampled:	06/10/09
Matrix:	Water	Received:	06/10/09
Units:	ug/L	Analyzed:	06/16/09
Diln Fac:	1.000		

Type: MS Lab ID: QC500171

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.1000	25.00	26.95	108	77-134
Benzene	<0.1000	25.00	25.75	103	80-122
Trichloroethene	<0.1000	25.00	25.81	103	75-130
Toluene	<0.1000	25.00	25.61	102	80-121
Chlorobenzene	<0.1000	25.00	24.75	99	80-120

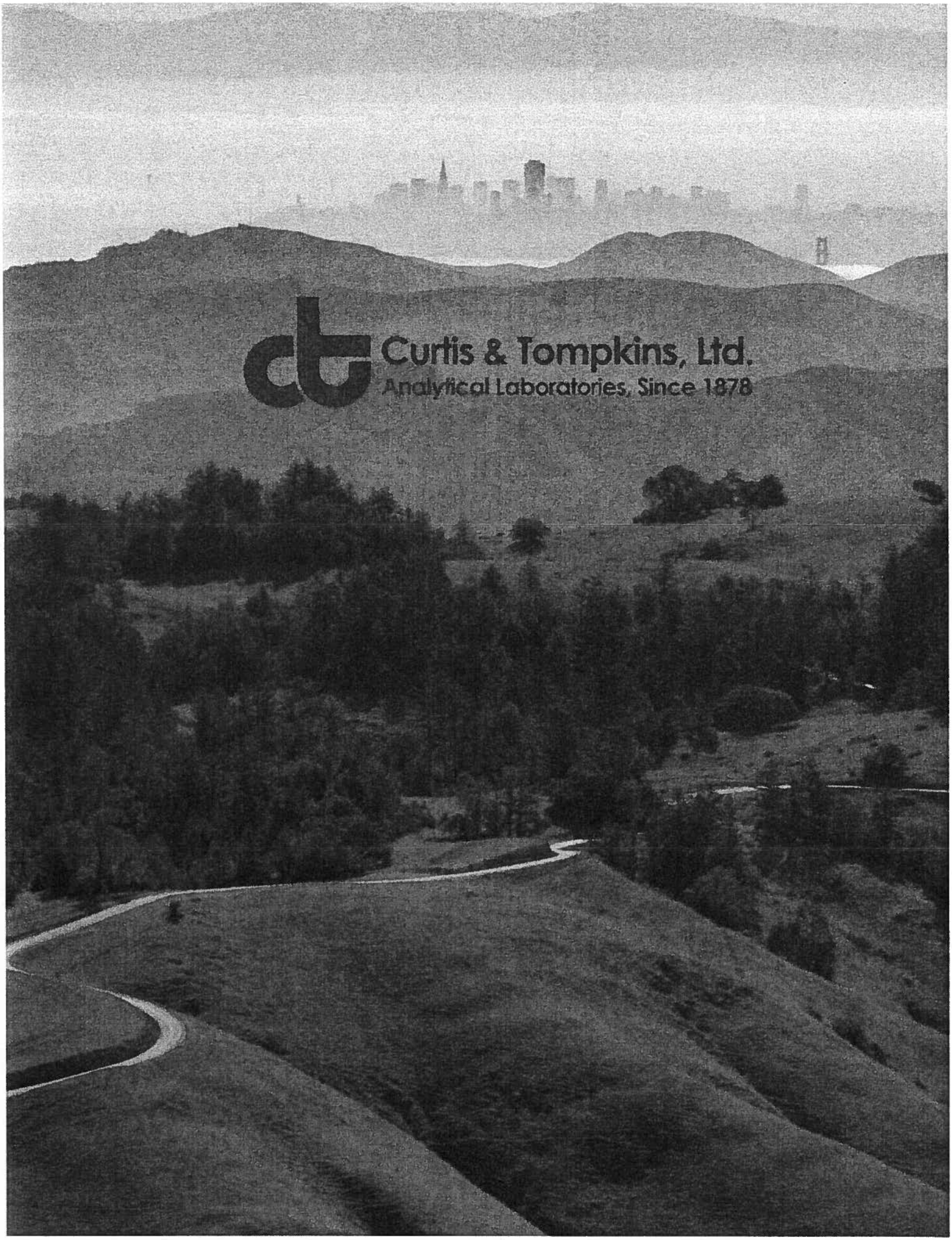
Surrogate	%REC	Limits
Dibromofluoromethane	103	80-122
1,2-Dichloroethane-d4	103	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	96	80-125

Type: MSD Lab ID: QC500172

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	25.98	104	77-134	4	20
Benzene	25.00	24.58	98	80-122	5	20
Trichloroethene	25.00	24.67	99	75-130	5	20
Toluene	25.00	24.84	99	80-121	3	20
Chlorobenzene	25.00	23.65	95	80-120	5	20

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-122
1,2-Dichloroethane-d4	101	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	98	80-125

RPD= Relative Percent Difference


Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

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

Laboratory Job Number 212786
ANALYTICAL REPORT

Bureau Veritas North America	Project : 33104-004578.00
2430 Camino Ramon	Location : Sausage Factory
San Ramon, Ca 94583	Level : II

Sample ID	Lab ID
DRUM COMPOSITE	212786-001

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. This report may be reproduced only in its entirety.

Signature: _____ Date: 06/23/2009
Project Manager

Signature: _____ Date: 06/23/2009
Senior Program Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**212786**
Client:	**Bureau Veritas North America**
Project:	**33104-004578.00**
Location:	**Sausage Factory**
Request Date:	**06/11/09**
Samples Received:	**06/11/09**

This data package contains sample and QC results for one water sample, requested for the above referenced project on 06/11/09. The sample was received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B):
DRUM COMPOSITE (lab # 212786-001) had pH greater than 2. This sample was analyzed within the seven day holding time for unpreserved samples. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

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

CHAIN OF CUSTODY

C & T LOGIN #: 212786

Sampler: Jeremy Wilson
Project No.: 33104-004508.00 Report To: Jeremy Wilson
Project Name: Former Sausage Factory Company: Bureau Veritas
Project P.O.: Telephone: 925-498-6518
Turnaround Time: Standard Fax: 925-426-0106

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		Analysis: 8021B TPH-g/BTEX	8260B HVOCs
	Drum Composite	6-11-09 1510		X			6	X			X		X	X

Notes:

SAMPLE RECEIPT
☐ Intact ☐ Cold
☒ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:

	DATE / TIME
[signature]	6-11-09 1606
	DATE / TIME
	DATE / TIME

RECEIVED BY:

	DATE / TIME
Pat Hanely	6/11/09 16:06
	DATE / TIME
	DATE / TIME

SIGNATURE

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 212786 Date Received 6/11/09 Number of coolers 1
Client BUREAU VERITAS Project FMR. SAUSAGE FACTORY

Date Opened 6/11/09 By (print) M. VILLANUEVA (sign)
Date Logged in 6/12/09 By (print) Micah Smith (sign)

1. Did cooler come with a shipping slip (airbill, etc) _____ YES (NO)
   Shipping info _____

2A. Were custody seals present? ... ☐ YES (circle) on cooler on samples ☐ (NO)
   How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? _____ YES NO N/A
3. Were custody papers dry and intact when received? _____ YES NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ YES NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ___ YES NO
6. Indicate the packing in cooler: (if other, describe) _____

☑ Bubble Wrap ☑ Foam blocks ☐ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation:

Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None Temp(°C) 14.0

☐ Samples Received on ice & cold without a temperature blank

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES (NO)
   If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? _____ (YES) NO
10. Are samples in the appropriate containers for indicated tests? _____ (YES) NO
11. Are sample labels present, in good condition and complete? _____ (YES) NO
12. Do the sample labels agree with custody papers? _____ (YES) NO
13. Was sufficient amount of sample sent for tests requested? _____ (YES) NO
14. Are the samples appropriately preserved? _____ (YES) NO N/A
15. Are bubbles > 6mm absent in VOA samples? _____ (YES) NO N/A
16. Was the client contacted concerning this sample delivery? _____ YES (NO)
   If YES, Who was called? _____ By _____ Date: _____

COMMENTS

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Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212786	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Field ID:	DRUM COMPOSITE	Batch#:	152049
Matrix:	Water	Sampled:	06/11/09
Units:	ug/L	Received:	06/11/09
Diln Fac:	1.000	Analyzed:	06/16/09

Type: SAMPLE Lab ID: 212786-001

Analyte	Result	RL	Analysis
Gasoline C7-C12	1,300	50	EPA 8015B
Benzene	380	0.50	EPA 8021B
Toluene	2.2 C	0.50	EPA 8021B
Ethylbenzene	65	0.50	EPA 8021B
m,p-Xylenes	35	0.50	EPA 8021B
o-Xylene	2.5 C	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	126	63-146	EPA 8015B
Bromofluorobenzene (FID)	114	70-140	EPA 8015B
Trifluorotoluene (PID)	130	50-140	EPA 8021B
Bromofluorobenzene (PID)	119	56-132	EPA 8021B

Type: BLANK Lab ID: QC500241

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

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	96	63-146	EPA 8015B
Bromofluorobenzene (FID)	99	70-140	EPA 8015B
Trifluorotoluene (PID)	89	50-140	EPA 8021B
Bromofluorobenzene (PID)	94	56-132	EPA 8021B

C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212786	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8021B
Matrix:	Water	Batch#:	152049
Units:	ug/L	Analyzed:	06/16/09
Diln Fac:	1.000		

Type: BS Lab ID: QC500242

Analyte	Spiked	Result	%REC	Limits
Benzene	10.00	9.167	92	79-120
Toluene	10.00	9.579	96	76-122
Ethylbenzene	10.00	9.590	96	77-125
m,p-Xylenes	10.00	10.12	101	76-126
o-Xylene	10.00	9.235	92	77-126

Surrogate	%REC	Limits
Trifluorotoluene (PID)	100	50-140
Bromofluorobenzene (PID)	101	56-132

Type: BSD Lab ID: QC500243

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	20.00	19.41	97	79-120	6	20
Toluene	20.00	19.94	100	76-122	4	21
Ethylbenzene	20.00	19.65	98	77-125	2	21
m,p-Xylenes	20.00	20.38	102	76-126	1	23
o-Xylene	20.00	18.51	93	77-126	0	21

Surrogate	%REC	Limits
Trifluorotoluene (PID)	106	50-140
Bromofluorobenzene (PID)	110	56-132

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212786	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC500244	Batch#:	152049
Matrix:	Water	Analyzed:	06/16/09
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	873.7	87	76-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	116	63-146
Bromofluorobenzene (FID)	105	70-140

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212786	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	152049
MSS Lab ID:	212844-001	Sampled:	06/12/09
Matrix:	Water	Received:	06/15/09
Units:	ug/L	Analyzed:	06/17/09
Diln Fac:	1.000		

Type: MS Lab ID: QC500245

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	20.01	2,000	1,666	82	66-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	132	63-146
Bromofluorobenzene (FID)	111	70-140

Type: MSD Lab ID: QC500246

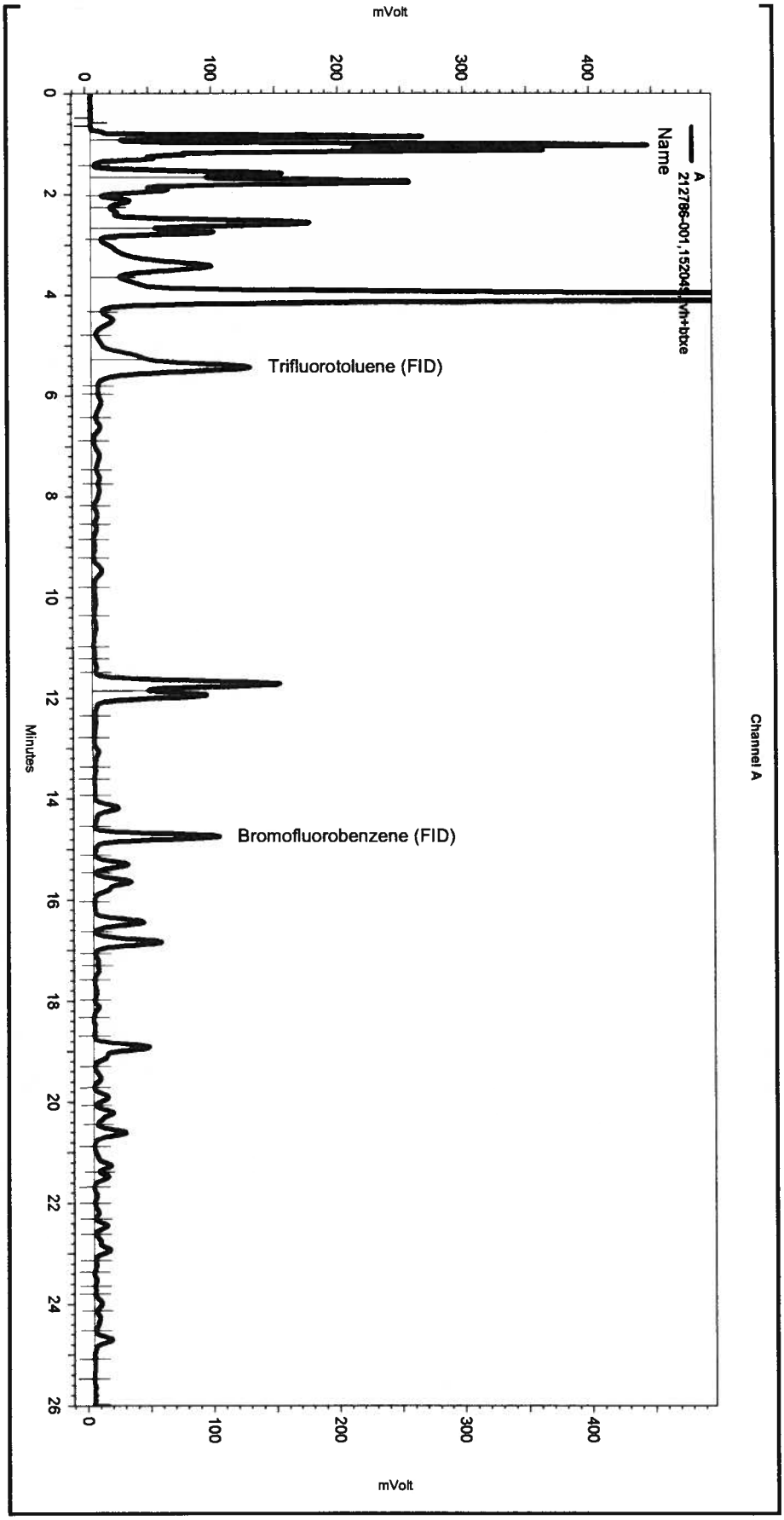
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,635	81	66-120	2	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	132	63-146
Bromofluorobenzene (FID)	110	70-140

RPD= Relative Percent Difference

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC05\Sequence\167.seq**
Sample Name: **212786-001,152049,tvh+btxe**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC05\Data\167_008**
Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe150.met

Software Version 3.1.7
Run Date: 6/16/2009 5:52:16 PM
Analysis Date: 6/17/2009 10:17:10 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: b7



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

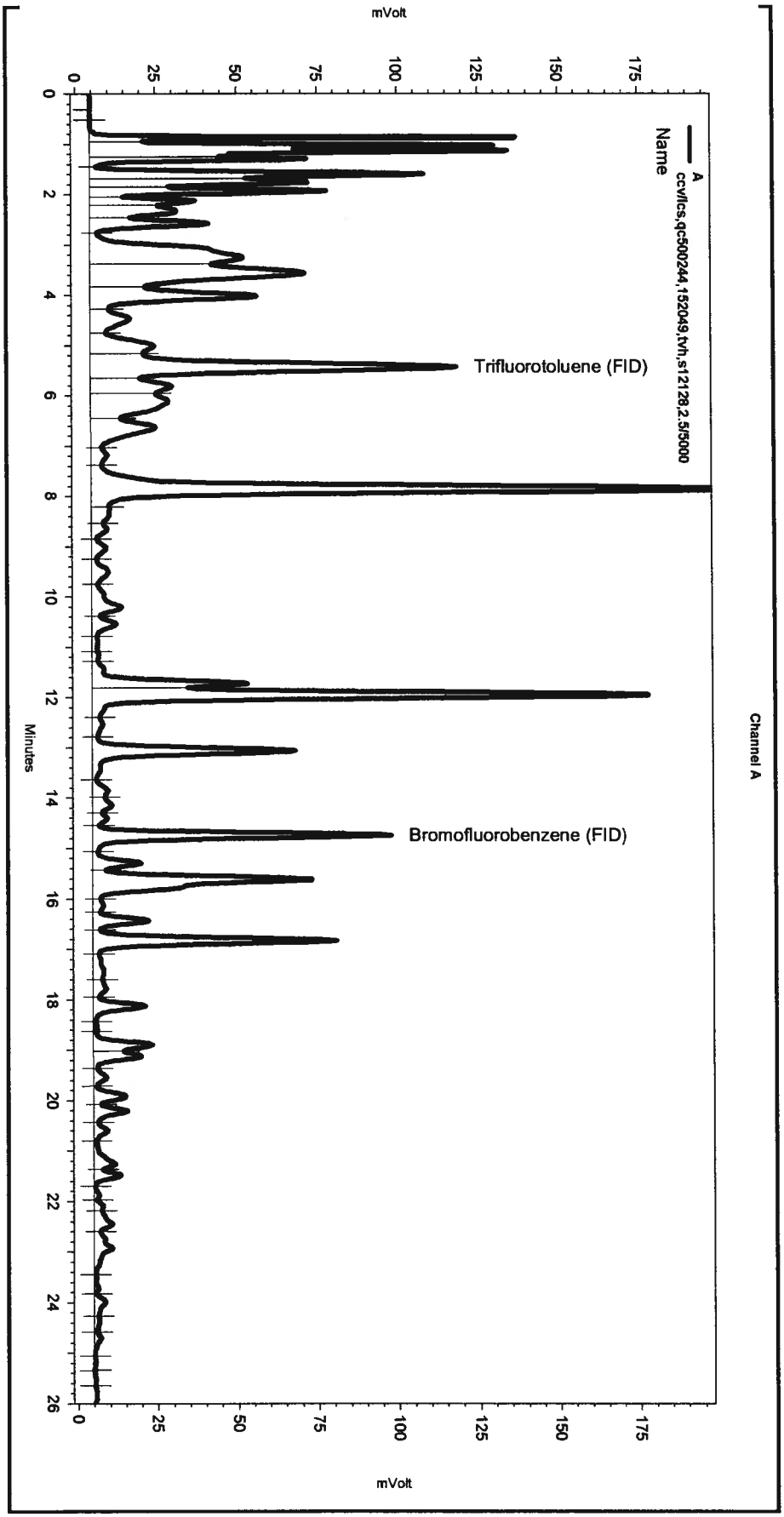
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\167_008

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	5.288	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC05\Sequence\167.seq
Sample Name: **ccv/lcs,qc500244,152049,tvh,s12128,2.5/5000**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC05\Data\167_003**
Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbbxe150.met

Software Version 3.1.7
Run Date: 6/16/2009 11:47:27 AM
Analysis Date: 6/17/2009 7:38:28 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: {Data Description}



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\167_003

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value

None

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	212786	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	DRUM COMPOSITE	Batch#:	152173
Lab ID:	212786-001	Sampled:	06/11/09
Matrix:	Water	Received:	06/11/09
Units:	ug/L	Analyzed:	06/20/09
Diln Fac:	1.667		

Analyte	Result	RL
Chloromethane	ND	1.7
Vinyl Chloride	7.2	0.8
Bromomethane	ND	1.7
Chloroethane	ND	1.7
Trichlorofluoromethane	ND	1.7
Freon 113	ND	3.3
1,1-Dichloroethene	ND	0.8
Methylene Chloride	ND	33
trans-1,2-Dichloroethene	9.2	0.8
1,1-Dichloroethane	ND	0.8
cis-1,2-Dichloroethene	100	0.8
Chloroform	ND	1.7
1,1,1-Trichloroethane	ND	0.8
Carbon Tetrachloride	ND	0.8
1,2-Dichloroethane	ND	0.8
Trichloroethene	10	0.8
1,2-Dichloropropane	ND	0.8
Bromodichloromethane	ND	0.8
cis-1,3-Dichloropropene	ND	0.8
trans-1,3-Dichloropropene	ND	0.8
1,1,2-Trichloroethane	ND	0.8
Tetrachloroethene	ND	0.8
Dibromochloromethane	ND	0.8
Chlorobenzene	ND	0.8
Bromoform	ND	0.8
1,1,2,2-Tetrachloroethane	ND	0.8
1,3-Dichlorobenzene	ND	0.8
1,4-Dichlorobenzene	ND	0.8
1,2-Dichlorobenzene	ND	0.8

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	78	77-137
Toluene-d8	97	80-120
Bromofluorobenzene	104	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Halocarbons by GC/MS

Lab #:	212786	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC500743	Batch#:	152173
Matrix:	Water	Analyzed:	06/19/09
Units:	ug/L		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	94	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	105	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Halocarbons by GC/MS

Lab #:	212786	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	152173
Units:	ug/L	Analyzed:	06/19/09
Diln Fac:	1.000		

Type: BS Lab ID: QC500745

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	27.80	111	74-132
Trichloroethene	25.00	24.23	97	80-120
Chlorobenzene	25.00	26.43	106	80-120

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	89	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	107	80-125

Type: BSD Lab ID: QC500746

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	27.19	109	74-132	2	20
Trichloroethene	25.00	24.34	97	80-120	0	20
Chlorobenzene	25.00	26.85	107	80-120	2	20

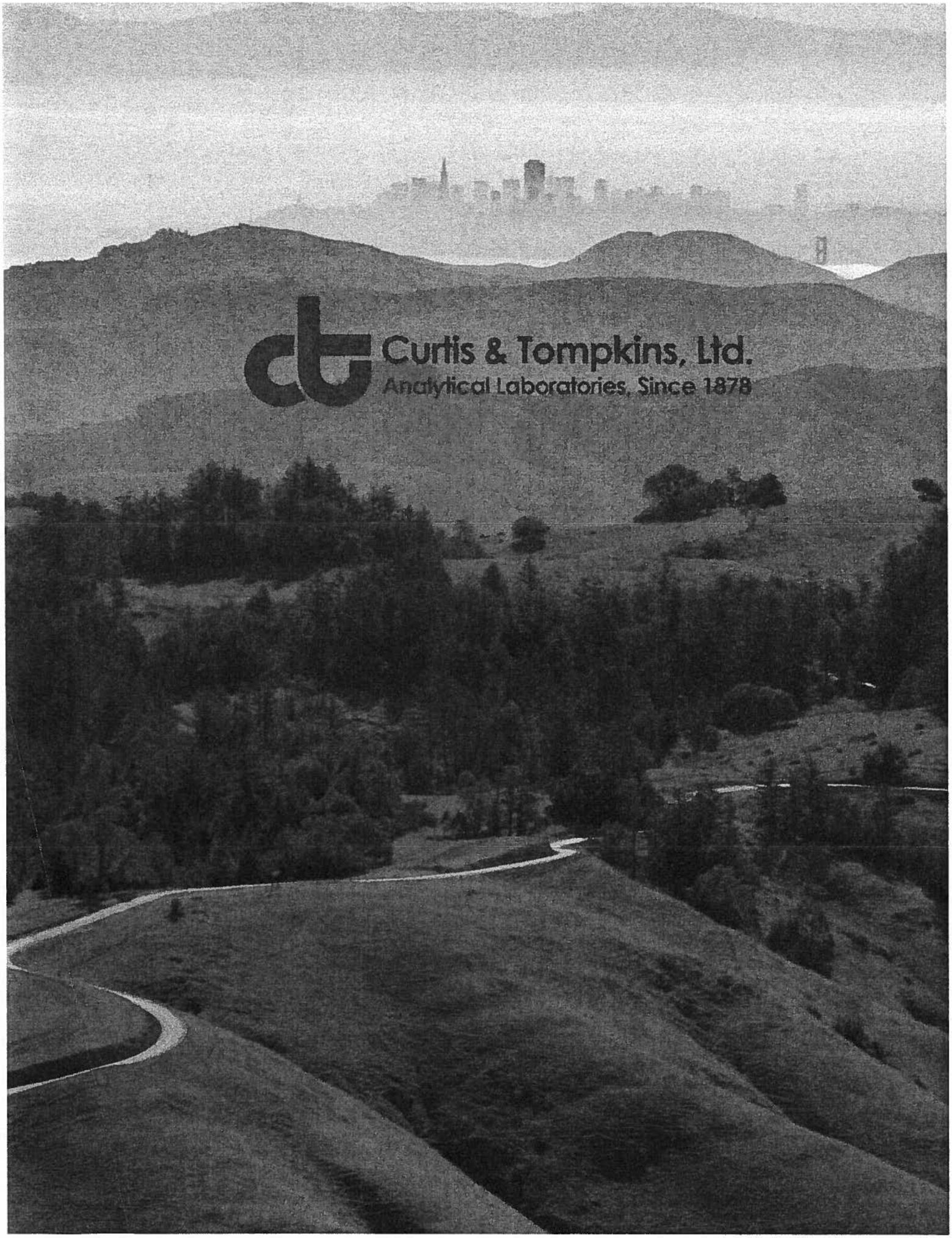
Surrogate	%REC	Limits
1,2-Dichloroethane-d4	89	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	106	80-125

RPD= Relative Percent Difference

MAXIMUM CONTAMINANT LEVELS AND REGULATORY DATES FOR DRINKING WATER U.S. EPA VS CALIFORNIA

NOVEMBER 2008

Contaminant	U.S. EPA		California	
	MCL (mg/L)	Date[a]	MCL (mg/L)	Effective Date
Inorganics				
Aluminum	0.05 to 0.2[b]	1/91	1 0.2[b]	2/25/89 9/8/94
Antimony	0.006	7/92	0.006	9/8/94
Arsenic	0.05 0.010	eff: 6/24/77 eff: 1/23/06	0.05 0.010	77 11/28/08
Asbestos	7 MFL[c]	1/91	7 MFL[c]	9/8/94
Barium	1 2	eff: 6/24/77 1/91	1	77
Beryllium	0.004	7/92	0.004	9/8/94
Cadmium	0.010 0.005	eff: 6/24/77 1/91	0.010 0.005	77 9/8/94
Chromium	0.05 0.1	eff: 6/24/77 1/91	0.05	77
Copper	1.3[d]	6/91	1[b] 1.3[d]	77 12/11/95
Cyanide	0.2	7/92	0.2 0.15	9/8/94 6/12/03
Fluoride	4 2[b]	4/86 4/86	2	4/98
Lead	0.05[e] 0.015[d]	eff: 6/24/77 6/91	0.05[e] 0.015[d]	77 12/11/95
Mercury	0.002	eff: 6/24/77	0.002	77
Nickel	Remanded		0.1	9/8/94
Nitrate	(as N) 10	eff: 6/24/77	(as N03) 45	77
Nitrite (as N)	1	1/91	1	9/8/94
Total Nitrate/Nitrite (as N)	10	1/91	10	9/8/94
Perchlorate	-	-	0.006	10/18/07
Selenium	0.01 0.05	eff: 6/24/77 1/91	0.01 0.05	77 9/8/94
Thallium	0.002	7/92	0.002	9/8/94
Radionuclides				
Uranium	30 ug/L	12/7/00	20 pCi/L 20 pCi/L	1/1/89 6/11/06
Combined Radium - 226+228	5 pCi/L	eff: 6/24/77	5 pCi/L 5 pCi/L	77 6/11/06
Gross Alpha particle activity (excluding radon & uranium)	15 pCi/L	eff: 6/24/77	15 pCi/L 15 pCi/L	77 6/11/06
Gross Beta particle activity	4 millirem/yr	eff: 6/24/77	50 pCi/L[f] 4 millirem/yr	77 6/11/06
Strontium-90	8 pCi/L	eff: 6/24/77 now covered by Gross Beta	8 pCi/L[f] 8 pCi/L[f]	77 6/11/06
Tritium	20,000 pCi/L	eff: 6/24/77 now covered by Gross Beta	20,000 pCi/L[f] 20,000 pCi/L[f]	77 6/11/06


Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

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

Laboratory Job Number 212789
ANALYTICAL REPORT

Bureau Veritas North America
2430 Camino Ramon
San Ramon, Ca 94583

Project : 33104-004578.00
Location : Sausage Factory
Level : II

Sample ID	Lab ID
MW-1	212789-001
MW-2	212789-002
MW-6	212789-003
MW-7	212789-004
MW-8	212789-005
MW-9	212789-006
MW-10	212789-007
MW-11	212789-008
MW-12	212789-009
MW-13	212789-010

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. This report may be reproduced only in its entirety.

Signature: _____ Date: 06/23/2009
Project Manager

Signature: _____ Date: 06/23/2009
Senior Program Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**212789**
Client:	**Bureau Veritas North America**
Project:	**33104-004578.00**
Location:	**Sausage Factory**
Request Date:	**06/11/09**
Samples Received:	**06/11/09**

This data package contains sample and QC results for ten water samples, requested for the above referenced project on 06/11/09. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B):
High surrogate recovery was observed for trifluorotoluene (PID) in MW-9 (lab # 212789-006); the corresponding bromofluorobenzene (PID) surrogate recovery was within limits. High surrogate recovery was observed for bromofluorobenzene (PID) in MW-13 (lab # 212789-010); the corresponding trifluorotoluene (PID) surrogate recovery was within limits. High surrogate recoveries were observed for bromofluorobenzene (FID) in MW-13 (lab # 212789-010) and the MS for batch 152048; the corresponding trifluorotoluene (FID) surrogate recoveries were within limits. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
MW-1 (lab # 212789-001), MW-2 (lab # 212789-002), and MW-9 (lab # 212789-006) were diluted due to high non-target analytes. No other analytical problems were encountered.

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

CHAIN OF CUSTODY

C & T LOGIN #: 212789

Sampler: Jeremy Wilson
Project No.: 33104-004578.02 Report To: Jeremy Wilson
Project Name: Former Sausage Factory Company: Bureau Veritas
Project P.O.: Telephone: 925-498-6518
Turnaround Time: Standard Fax: 925-426-0106

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste		# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE		Analysis: 8021B TPH-g/BTEX	8260B HVOC's
	MW-1	6-11-09 1235		X			6	X			X			
	MW-2	1220		X			6	X			X			
	MW-6	1315		X			6	X			X			
	MW-7	1455		X			6	X			X			
	MW-8	1150		X			6	X			X			
	MW-9	1140		X			6	X			X			
	MW-10	1310		X			6	X			X			
	MW-11	1500		X			6	X			X			
	MW-12	1405		X			6	X			X			
	MW-13	1405		X			6	X			X			

Notes:

SAMPLE RECEIPT
☐ Intact ☐ Cold
☒ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
6-11-09 1606 DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
6/11/09 1606 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 212789 Date Received 6/11/09 Number of coolers 1
Client BUREAU VERITAS Project FMR. SLUDGE FACTORY

Date Opened 6/11/09 By (print) M. VILLANUEVA (sign)
Date Logged in 6/12/09 By (print) Micah Smith (sign)

1. Did cooler come with a shipping slip (airbill, etc)_____ YES (NO)
   Shipping info_____
2A. Were custody seals present? ... ☐ YES (circle) on cooler on samples ☐ (NO)
   How many _____ Name_____ Date_____
2B. Were custody seals intact upon arrival? _____ YES NO N/A
3. Were custody papers dry and intact when received? _____ YES NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ YES NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ___ YES NO
6. Indicate the packing in cooler: (if other, describe)_____

☑ Bubble Wrap ☑ Foam blocks ☐ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation:

Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None Temp(°C) 14.0

☐ Samples Received on ice & cold without a temperature blank

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES (NO)
   If YES, what time were they transferred to freezer?_____
9. Did all bottles arrive unbroken/unopened? _____ (YES) NO
10. Are samples in the appropriate containers for indicated tests? _____ (YES) NO
11. Are sample labels present, in good condition and complete? _____ (YES) NO
12. Do the sample labels agree with custody papers? _____ (YES) NO
13. Was sufficient amount of sample sent for tests requested? _____ (YES) NO
14. Are the samples appropriately preserved? _____ (YES) NO N/A
15. Are bubbles > 6mm absent in VOA samples? _____ (YES) NO N/A
16. Was the client contacted concerning this sample delivery? _____ YES (NO)
   If YES, Who was called?_____ By_____ Date:_____

COMMENTS

_____
_____
_____
_____
_____
_____
_____
_____

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Matrix:	Water	Sampled:	06/11/09
Units:	ug/L	Received:	06/11/09

Field ID:	MW-1	Diln Fac:	5.000
Type:	SAMPLE	Batch#:	152048
Lab ID:	212789-001	Analyzed:	06/16/09

Analyte	Result	RL	Analysis
Gasoline C7-C12	7,900	250	EPA 8015B
Benzene	1,500	2.5	EPA 8021B
Toluene	170	2.5	EPA 8021B
Ethylbenzene	360	2.5	EPA 8021B
m,p-Xylenes	220	2.5	EPA 8021B
o-Xylene	61	2.5	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	97	63-146	EPA 8015B
Bromofluorobenzene (FID)	118	70-140	EPA 8015B
Trifluorotoluene (PID)	104	50-140	EPA 8021B
Bromofluorobenzene (PID)	122	56-132	EPA 8021B

Field ID:	MW-2	Lab ID:	212789-002
Type:	SAMPLE	Batch#:	152048

Analyte	Result	RL	Diln Fac	Analyzed	Analysis
Gasoline C7-C12	30,000	1,000	20.00	06/16/09	EPA 8015B
Benzene	9,400	13	25.00	06/17/09	EPA 8021B
Toluene	490	13	25.00	06/17/09	EPA 8021B
Ethylbenzene	1,300	13	25.00	06/17/09	EPA 8021B
m,p-Xylenes	1,200	13	25.00	06/17/09	EPA 8021B
o-Xylene	280	13	25.00	06/17/09	EPA 8021B

Surrogate	%REC	Limits	Diln Fac	Analyzed	Analysis
Trifluorotoluene (FID)	104	63-146	20.00	06/16/09	EPA 8015B
Bromofluorobenzene (FID)	102	70-140	20.00	06/16/09	EPA 8015B
Trifluorotoluene (PID)	126	50-140	25.00	06/17/09	EPA 8021B
Bromofluorobenzene (PID)	105	56-132	25.00	06/17/09	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Matrix:	Water	Sampled:	06/11/09
Units:	ug/L	Received:	06/11/09

Field ID:	MW-6	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	152048
Lab ID:	212789-003	Analyzed:	06/16/09

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

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	125	63-146	EPA 8015B
Bromofluorobenzene (FID)	103	70-140	EPA 8015B
Trifluorotoluene (PID)	106	50-140	EPA 8021B
Bromofluorobenzene (PID)	109	56-132	EPA 8021B

Field ID:	MW-7	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	152000
Lab ID:	212789-004	Analyzed:	06/15/09

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

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	91	63-146	EPA 8015B
Bromofluorobenzene (FID)	91	70-140	EPA 8015B
Trifluorotoluene (PID)	99	50-140	EPA 8021B
Bromofluorobenzene (PID)	95	56-132	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Matrix:	Water	Sampled:	06/11/09
Units:	ug/L	Received:	06/11/09

Field ID:	MW-8	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	152000
Lab ID:	212789-005	Analyzed:	06/15/09

Analyte	Result	RL	Analysis
Gasoline C7-C12	2,000 Y	50	EPA 8015B
Benzene	210 C	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	120 C	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	118	63-146	EPA 8015B
Bromofluorobenzene (FID)	113	70-140	EPA 8015B
Trifluorotoluene (PID)	107	50-140	EPA 8021B
Bromofluorobenzene (PID)	108	56-132	EPA 8021B

Field ID:	MW-9	Lab ID:	212789-006
Type:	SAMPLE	Batch#:	152048

Analyte	Result	RL	Diln Fac	Analyzed	Analysis
Gasoline C7-C12	43,000	500	10.00	06/16/09	EPA 8015B
Benzene	12,000	25	50.00	06/17/09	EPA 8021B
Toluene	77	5.0	10.00	06/16/09	EPA 8021B
Ethylbenzene	1,500	5.0	10.00	06/16/09	EPA 8021B
m,p-Xylenes	1,500	5.0	10.00	06/16/09	EPA 8021B
o-Xylene	160	5.0	10.00	06/16/09	EPA 8021B

Surrogate	%REC	Limits	Diln Fac	Analyzed	Analysis
Trifluorotoluene (FID)	135	63-146	10.00	06/16/09	EPA 8015B
Bromofluorobenzene (FID)	126	70-140	10.00	06/16/09	EPA 8015B
Trifluorotoluene (PID)	191 *	50-140	10.00	06/16/09	EPA 8021B
Bromofluorobenzene (PID)	127	56-132	10.00	06/16/09	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Matrix:	Water	Sampled:	06/11/09
Units:	ug/L	Received:	06/11/09

Field ID:	MW-10	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	152048
Lab ID:	212789-007	Analyzed:	06/16/09

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

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	107	63-146	EPA 8015B
Bromofluorobenzene (FID)	109	70-140	EPA 8015B
Trifluorotoluene (PID)	100	50-140	EPA 8021B
Bromofluorobenzene (PID)	96	56-132	EPA 8021B

Field ID:	MW-11	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	152000
Lab ID:	212789-008	Analyzed:	06/16/09

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	1.0	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	87	63-146	EPA 8015B
Bromofluorobenzene (FID)	87	70-140	EPA 8015B
Trifluorotoluene (PID)	86	50-140	EPA 8021B
Bromofluorobenzene (PID)	83	56-132	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Matrix:	Water	Sampled:	06/11/09
Units:	ug/L	Received:	06/11/09

Field ID:	MW-12	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	152000
Lab ID:	212789-009	Analyzed:	06/16/09

Analyte	Result	RL	Analysis
Gasoline C7-C12	75 Y	50	EPA 8015B
Benzene	1.7	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	80	63-146	EPA 8015B
Bromofluorobenzene (FID)	85	70-140	EPA 8015B
Trifluorotoluene (PID)	73	50-140	EPA 8021B
Bromofluorobenzene (PID)	71	56-132	EPA 8021B

Field ID:	MW-13	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	152000
Lab ID:	212789-010	Analyzed:	06/16/09

Analyte	Result	RL	Analysis
Gasoline C7-C12	2,200	50	EPA 8015B
Benzene	14	0.50	EPA 8021B
Toluene	4.4	0.50	EPA 8021B
Ethylbenzene	23 C	0.50	EPA 8021B
m,p-Xylenes	7.1 C	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	128	63-146	EPA 8015B
Bromofluorobenzene (FID)	165 *	70-140	EPA 8015B
Trifluorotoluene (PID)	132	50-140	EPA 8021B
Bromofluorobenzene (PID)	141 *	56-132	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Matrix:	Water	Sampled:	06/11/09
Units:	ug/L	Received:	06/11/09

Type: BLANK
Lab ID: QC500037
Diln Fac: 1.000

Batch#: 152000
Analyzed: 06/15/09

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

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	87	63-146	EPA 8015B
Bromofluorobenzene (FID)	88	70-140	EPA 8015B
Trifluorotoluene (PID)	96	50-140	EPA 8021B
Bromofluorobenzene (PID)	94	56-132	EPA 8021B

Type: BLANK
Lab ID: QC500235
Diln Fac: 1.000

Batch#: 152048
Analyzed: 06/16/09

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

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	94	63-146	EPA 8015B
Bromofluorobenzene (FID)	93	70-140	EPA 8015B
Trifluorotoluene (PID)	88	50-140	EPA 8021B
Bromofluorobenzene (PID)	85	56-132	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

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Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8021B
Matrix:	Water	Batch#:	152000
Units:	ug/L	Analyzed:	06/15/09
Diln Fac:	1.000		

Type: BS Lab ID: QC500038

Analyte	Spiked	Result	%REC	Limits
Benzene	10.00	9.583	96	79-120
Toluene	10.00	9.177	92	76-122
Ethylbenzene	10.00	9.495	95	77-125
m,p-Xylenes	10.00	9.395	94	76-126
o-Xylene	10.00	9.018	90	77-126

Surrogate	%REC	Limits
Trifluorotoluene (PID)	99	50-140
Bromofluorobenzene (PID)	96	56-132

Type: BSD Lab ID: QC500039

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	20.00	18.34	92	79-120	4	20
Toluene	20.00	17.89	89	76-122	3	21
Ethylbenzene	20.00	18.51	93	77-125	3	21
m,p-Xylenes	20.00	18.58	93	76-126	1	23
o-Xylene	20.00	17.75	89	77-126	2	21

Surrogate	%REC	Limits
Trifluorotoluene (PID)	102	50-140
Bromofluorobenzene (PID)	103	56-132

RPD= Relative Percent Difference

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Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC500040	Batch#:	152000
Matrix:	Water	Analyzed:	06/15/09
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	871.7	87	76-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	119	63-146
Bromofluorobenzene (FID)	113	70-140

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Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8015B
Field ID:	MW-7	Batch#:	152000
MSS Lab ID:	212789-004	Sampled:	06/11/09
Matrix:	Water	Received:	06/11/09
Units:	ug/L	Analyzed:	06/15/09
Diln Fac:	1.000		

Type: MS Lab ID: QC500045

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	26.74	2,000	1,588	78	66-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	111	63-146
Bromofluorobenzene (FID)	124	70-140

Type: MSD Lab ID: QC500046

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,585	78	66-120	0	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	110	63-146
Bromofluorobenzene (FID)	123	70-140

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8021B
Matrix:	Water	Batch#:	152048
Units:	ug/L	Analyzed:	06/16/09
Diln Fac:	1.000		

Type: BS Lab ID: QC500236

Analyte	Spiked	Result	%REC	Limits
Benzene	10.00	9.689	97	79-120
Toluene	10.00	10.24	102	76-122
Ethylbenzene	10.00	10.35	104	77-125
m,p-Xylenes	10.00	10.77	108	76-126
o-Xylene	10.00	10.64	106	77-126

Surrogate	%REC	Limits
Trifluorotoluene (PID)	101	50-140
Bromofluorobenzene (PID)	105	56-132

Type: BSD Lab ID: QC500237

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	10.00	9.710	97	79-120	0	20
Toluene	10.00	10.16	102	76-122	1	21
Ethylbenzene	10.00	10.10	101	77-125	2	21
m,p-Xylenes	10.00	10.20	102	76-126	5	23
o-Xylene	10.00	10.17	102	77-126	5	21

Surrogate	%REC	Limits
Trifluorotoluene (PID)	99	50-140
Bromofluorobenzene (PID)	103	56-132

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC500238	Batch#:	152048
Matrix:	Water	Analyzed:	06/16/09
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	953.1	95	76-121

Surrogate	%REC	Limits
Trifluorotoluene (FID)	126	63-146
Bromofluorobenzene (FID)	132	70-140

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Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	152048
MSS Lab ID:	212764-001	Sampled:	06/11/09
Matrix:	Water	Received:	06/11/09
Units:	ug/L	Analyzed:	06/16/09
Diln Fac:	1.000		

Type: MS Lab ID: QC500239

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	33.54	2,000	1,846	91	66-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	130	63-146
Bromofluorobenzene (FID)	162 *	70-140

Type: MSD Lab ID: QC500240

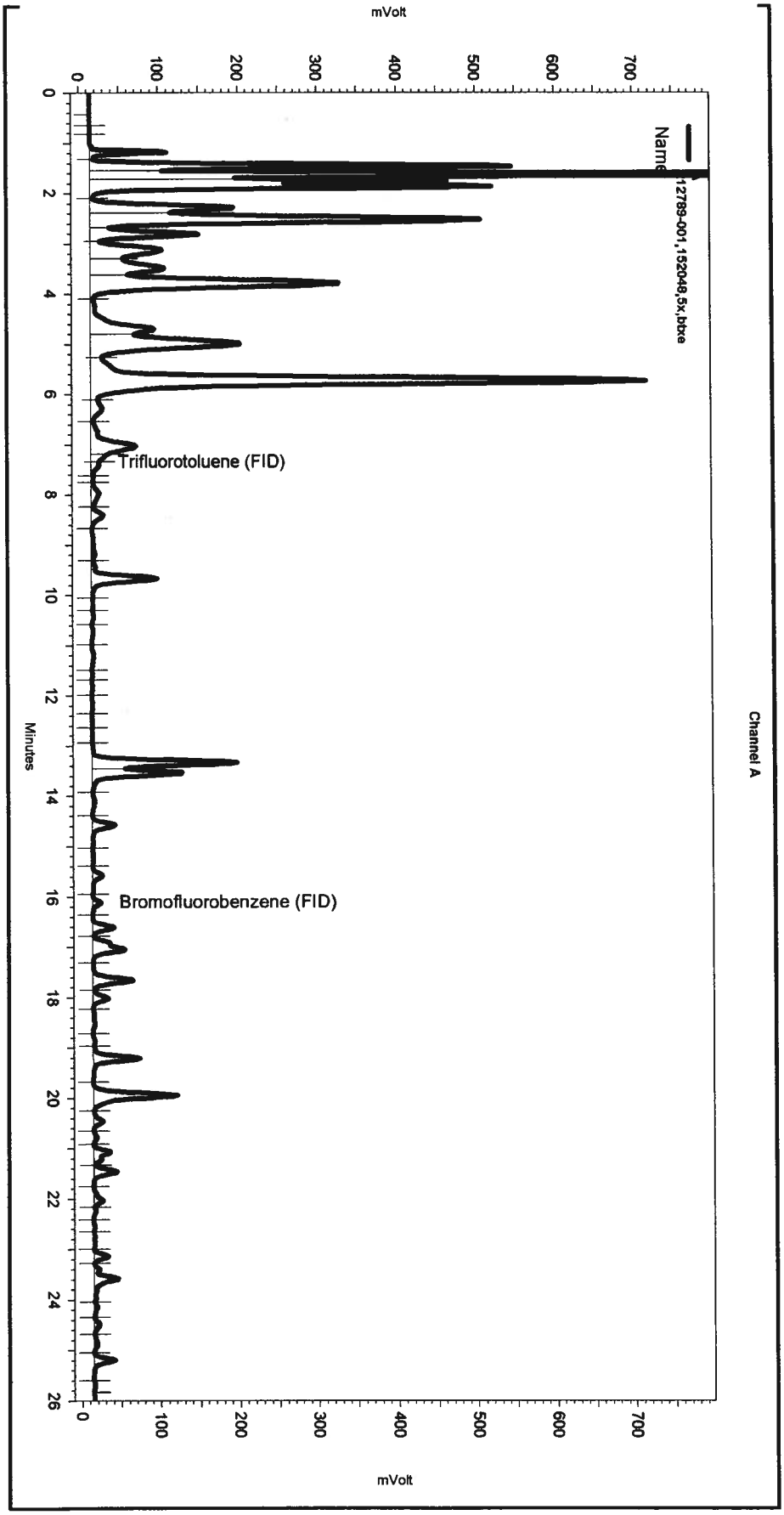
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Gasoline C7-C12	2,000	1,909	94	66-120	3	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	127	63-146
Bromofluorobenzene (FID)	137	70-140

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC19\Sequence\166.seq**
Sample Name: **212789-001,152048,5x,btxe**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC19\Data\167_011**
Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\tvhbtxe164.met

Software Version 3.1.7
Run Date: 6/16/2009 6:06:39 PM
Analysis Date: 6/17/2009 10:42:51 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: c1.3



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No items selected for this section

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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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Yes	Threshold	0	0	50

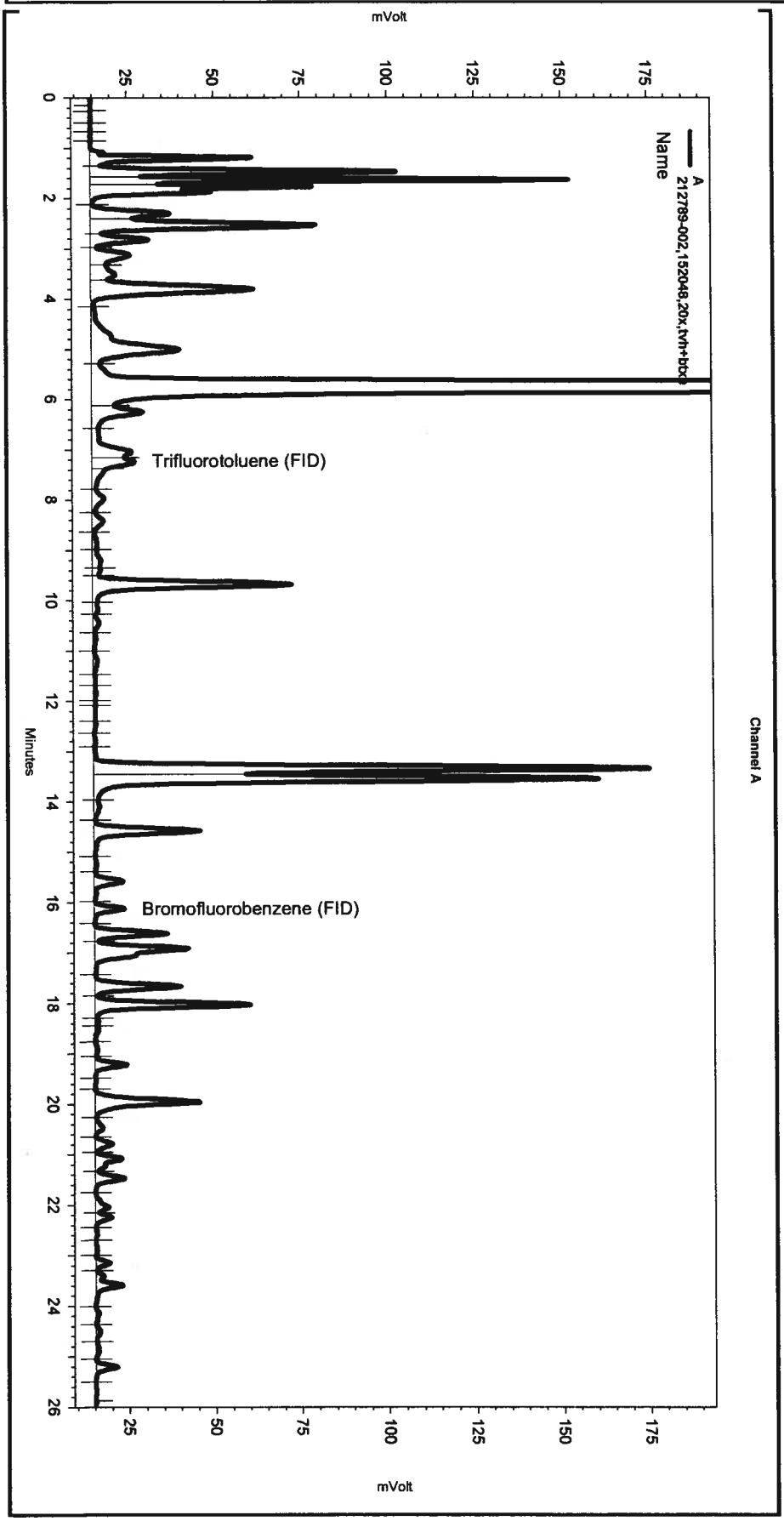
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\167_011

Enabled	Event Type	Start (Minutes)	Stop (MInutes)	Value
Yes	Split Peak	7.183	0	0
Yes	Split Peak	7.332	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\166.seq
Sample Name: **212789-002,152048,20x,tvh+btxe**
Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\167_010
Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\tvhbtxe164.met

Software Version 3.1.7
Run Date: 6/16/2009 5:28:58 PM
Analysis Date: 6/17/2009 10:38:21 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: c1.3



---< General Method Parameters >---

No items selected for this section

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No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (MInutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

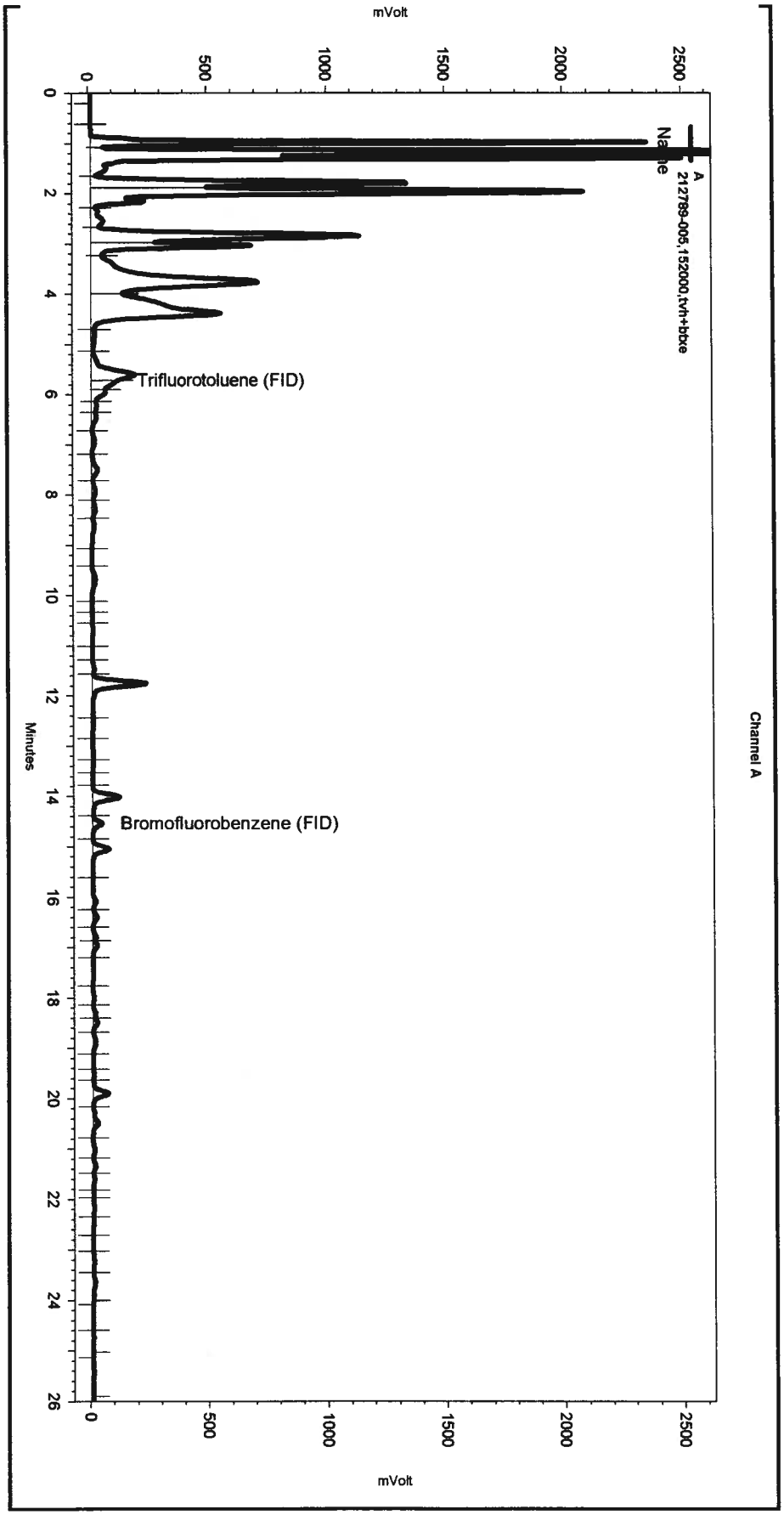
Manual Integration FIxes

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\167_010

Enabled	Event Type	Start (MInutes)	Stop (Minutes)	Value
Yes	Split Peak	7.373	0	0

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Sample Name: **212789-005,152000,tvh+btxe**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC04\Data\166_021**
Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe162.met

Software Version 3.1.7
Run Date: 6/15/2009 11:07:36 PM
Analysis Date: 6/16/2009 10:44:40 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: b1.3



---< General Method Parameters >---

No items selected for this section

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No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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Yes	Threshold	0	0	50

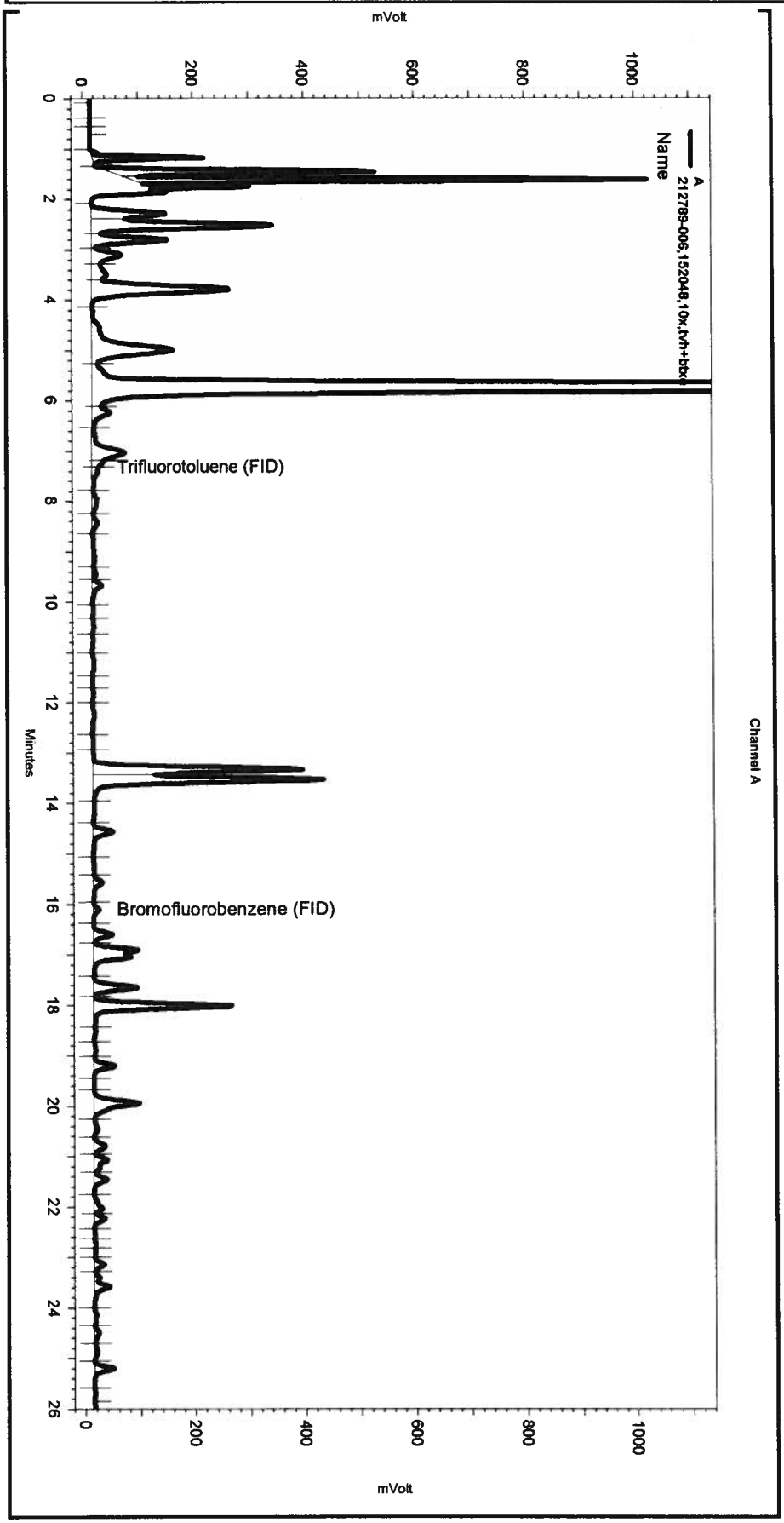
Manual Integration Fixes

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Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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Yes	Split Peak	5.903	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC19\Sequence\166.seq
Sample Name: **212789-006,152048,10x,tvh+btxe**
Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\167_009
Instrument: GC19 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC19\Method\tvhbtxe164.met

Software Version 3.1.7
Run Date: 6/16/2009 4:51:17 PM
Analysis Date: 6/17/2009 10:36:20 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: c1.3



---< General Method Parameters >---

No Items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (MInutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

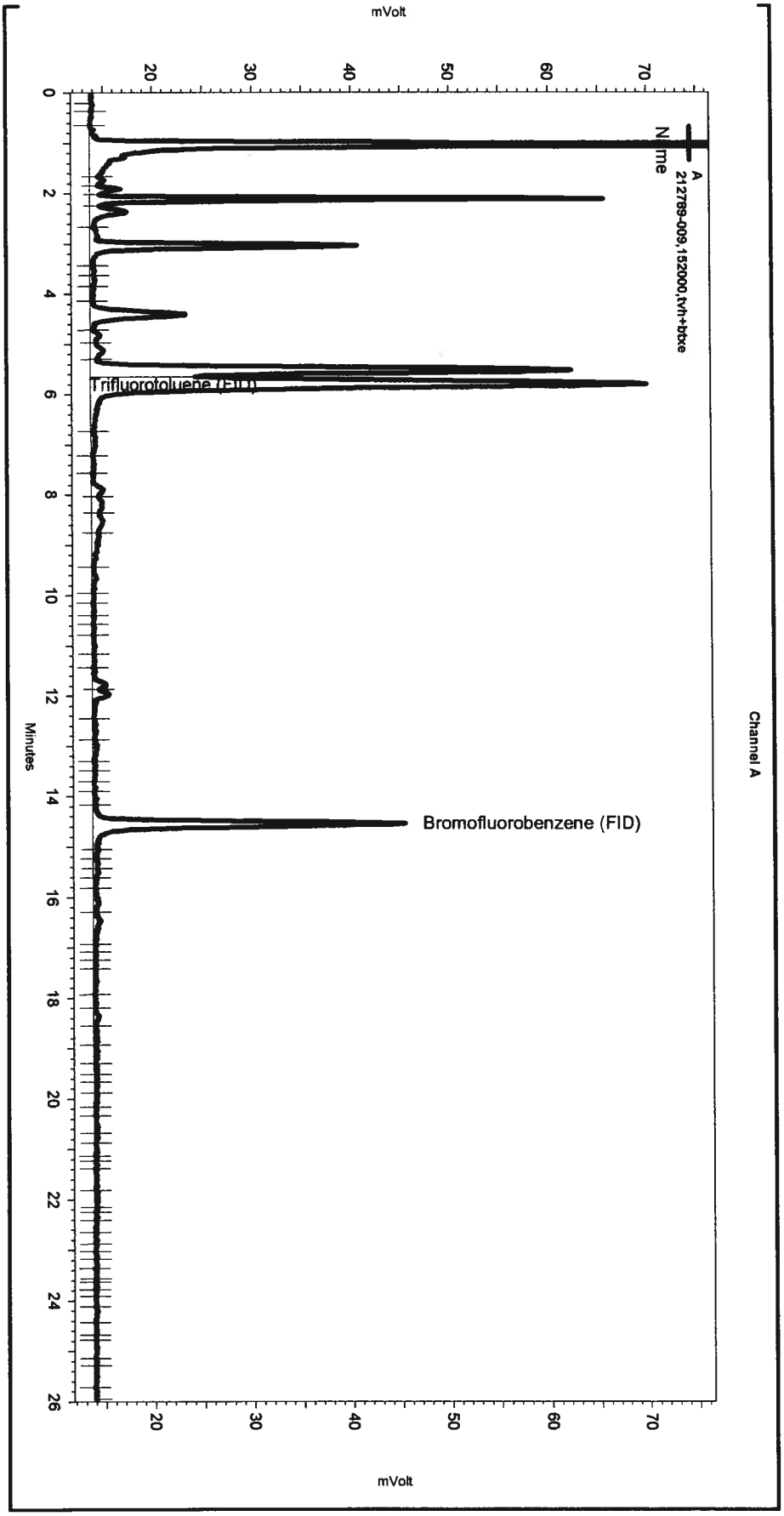
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC19\Data\167_009

Enabled	Event Type	Start (Minutes)	Stop (MInutes)	Value
Yes	Split Peak	7.18	0	0
Yes	Split Peak	7.324	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC04\Sequence\166.seq**
Sample Name: **212789-009,152000,tvh+btxe**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC04\Data\166_024**
Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe162.met

Software Version 3.1.7
Run Date: 6/16/2009 1:00:25 AM
Analysis Date: 6/16/2009 10:55:12 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: b1.3



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

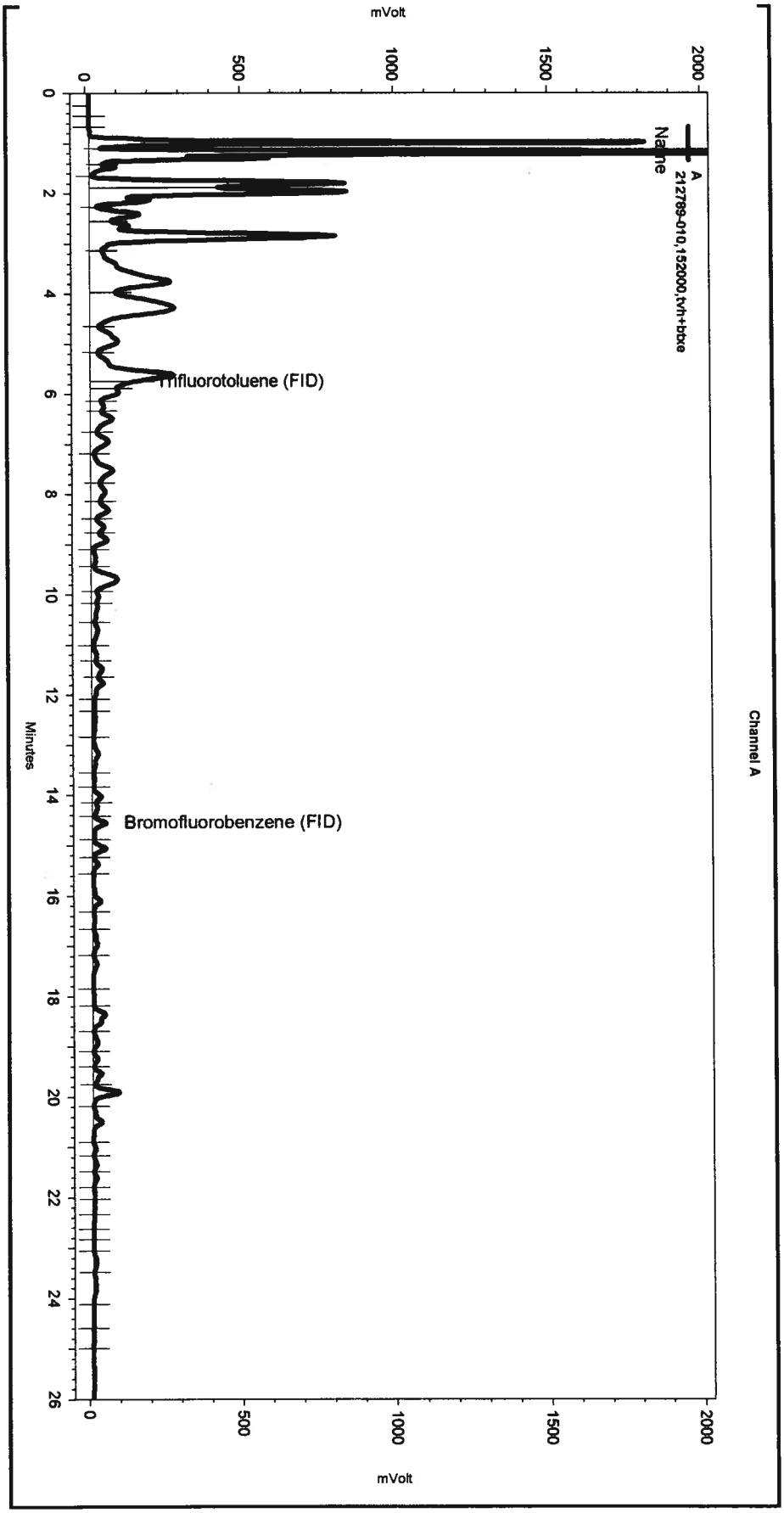
Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\166_024

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value

None

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC04\Sequence\166.seq
Sample Name: **212789-010,152000,tvh+btxe**
Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\166_025
Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe162.met

Software Version 3.1.7
Run Date: 6/16/2009 1:38:01 AM
Analysis Date: 6/16/2009 11:00:57 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: b1.3



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

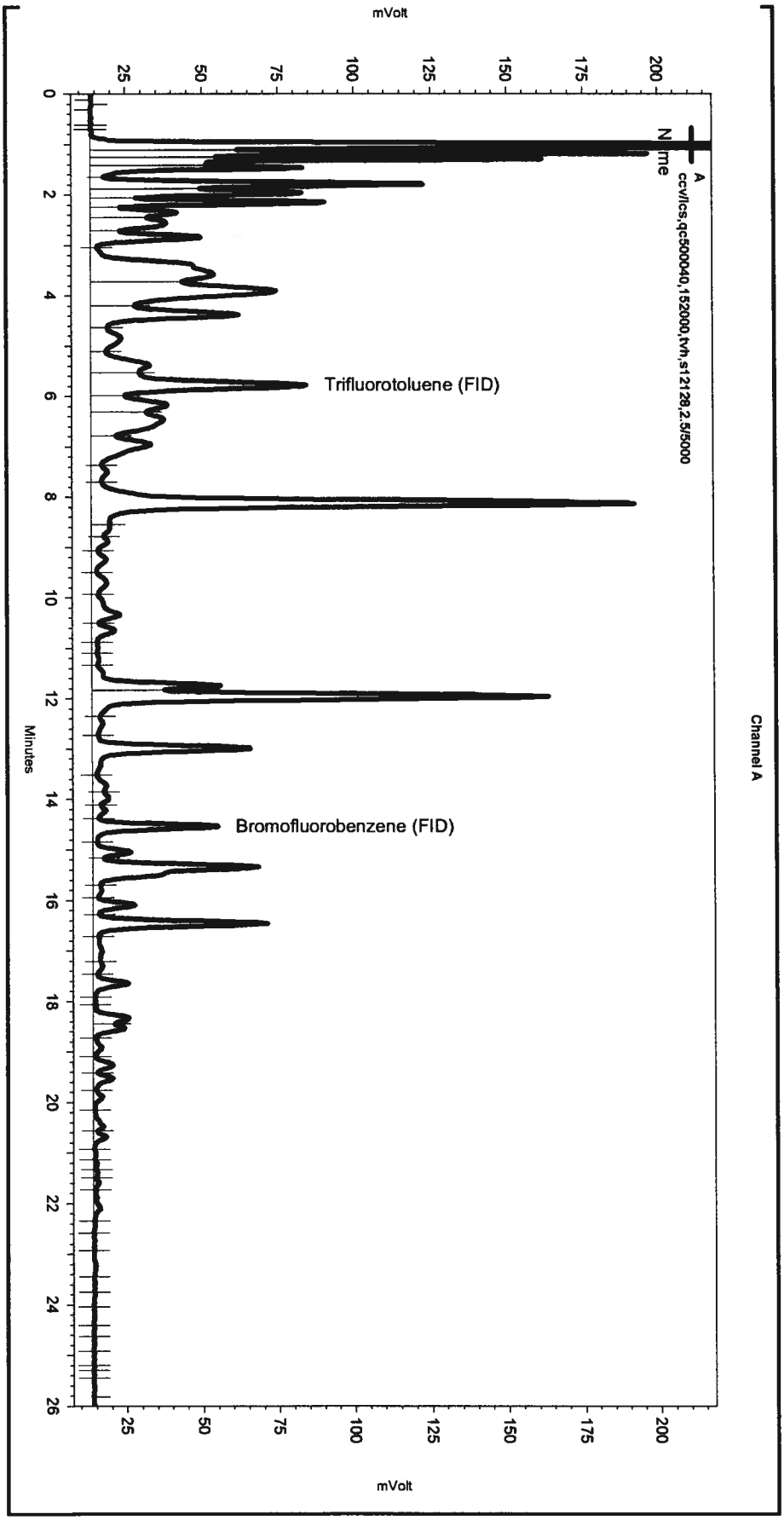
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\166_025

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	5.74	0	0

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC04\Sequence\166.seq
Sample Name: **ccv/ics,qc500040,152000,tvh,s12128,2.5/5000**
Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\166_004
Instrument: GC04 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC04\Method\tvhbtxe162.met

Software Version 3.1.7
Run Date: 6/15/2009 11:51:18 AM
Analysis Date: 6/16/2009 7:21:19 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: {Data Description}



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC04\Data\166_004

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value

None

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	MW-1	Batch#:	152172
Lab ID:	212789-001	Sampled:	06/11/09
Matrix:	Water	Received:	06/11/09
Units:	ug/L	Analyzed:	06/20/09
Diln Fac:	8.333		

Analyte	Result	RL
Chloromethane	ND	8.3
Vinyl Chloride	ND	4.2
Bromomethane	ND	8.3
Chloroethane	ND	8.3
Trichlorofluoromethane	ND	8.3
Freon 113	ND	17
1,1-Dichloroethene	ND	4.2
Methylene Chloride	ND	170
trans-1,2-Dichloroethene	ND	4.2
1,1-Dichloroethane	ND	4.2
cis-1,2-Dichloroethene	ND	4.2
Chloroform	ND	8.3
1,1,1-Trichloroethane	ND	4.2
Carbon Tetrachloride	ND	4.2
1,2-Dichloroethane	ND	4.2
Trichloroethene	ND	4.2
1,2-Dichloropropane	ND	4.2
Bromodichloromethane	ND	4.2
cis-1,3-Dichloropropene	ND	4.2
trans-1,3-Dichloropropene	ND	4.2
1,1,2-Trichloroethane	ND	4.2
Tetrachloroethene	ND	4.2
Dibromochloromethane	ND	4.2
Chlorobenzene	ND	4.2
Bromoform	ND	4.2
1,1,2,2-Tetrachloroethane	ND	4.2
1,3-Dichlorobenzene	ND	4.2
1,4-Dichlorobenzene	ND	4.2
1,2-Dichlorobenzene	ND	4.2

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	125	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	99	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	MW-2	Batch#:	152127
Lab ID:	212789-002	Sampled:	06/11/09
Matrix:	Water	Received:	06/11/09
Units:	ug/L	Analyzed:	06/18/09
Diln Fac:	62.50		

Analyte	Result	RL
Chloromethane	ND	63
Vinyl Chloride	ND	31
Bromomethane	ND	63
Chloroethane	ND	63
Trichlorofluoromethane	ND	63
Freon 113	ND	130
1,1-Dichloroethene	ND	31
Methylene Chloride	ND	1,300
trans-1,2-Dichloroethene	ND	31
1,1-Dichloroethane	ND	31
cis-1,2-Dichloroethene	ND	31
Chloroform	ND	63
1,1,1-Trichloroethane	ND	31
Carbon Tetrachloride	ND	31
1,2-Dichloroethane	ND	31
Trichloroethene	ND	31
1,2-Dichloropropane	ND	31
Bromodichloromethane	ND	31
cis-1,3-Dichloropropene	ND	31
trans-1,3-Dichloropropene	ND	31
1,1,2-Trichloroethane	ND	31
Tetrachloroethene	ND	31
Dibromochloromethane	ND	31
Chlorobenzene	ND	31
Bromoform	ND	31
1,1,2,2-Tetrachloroethane	ND	31
1,3-Dichlorobenzene	ND	31
1,4-Dichlorobenzene	ND	31
1,2-Dichlorobenzene	ND	31

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	119	77-137
Toluene-d8	98	80-120
Bromofluorobenzene	100	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	MW-6	Batch#:	152082
Lab ID:	212789-003	Sampled:	06/11/09
Matrix:	Water	Received:	06/11/09
Units:	ug/L	Analyzed:	06/17/09
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	97	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	105	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	MW-7	Batch#:	152082
Lab ID:	212789-004	Sampled:	06/11/09
Matrix:	Water	Received:	06/11/09
Units:	ug/L	Analyzed:	06/17/09
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	97	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	108	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	MW-8	Batch#:	152128
Lab ID:	212789-005	Sampled:	06/11/09
Matrix:	Water	Received:	06/11/09
Units:	ug/L	Analyzed:	06/19/09
Diln Fac:	14.29		

Analyte	Result	RL
Chloromethane	ND	14
Vinyl Chloride	100	7.1
Bromomethane	ND	14
Chloroethane	ND	14
Trichlorofluoromethane	ND	14
Freon 113	ND	29
1,1-Dichloroethene	ND	7.1
Methylene Chloride	ND	290
trans-1,2-Dichloroethene	36	7.1
1,1-Dichloroethane	ND	7.1
cis-1,2-Dichloroethene	920	7.1
Chloroform	ND	14
1,1,1-Trichloroethane	ND	7.1
Carbon Tetrachloride	ND	7.1
1,2-Dichloroethane	ND	7.1
Trichloroethene	ND	7.1
1,2-Dichloropropane	ND	7.1
Bromodichloromethane	ND	7.1
cis-1,3-Dichloropropene	ND	7.1
trans-1,3-Dichloropropene	ND	7.1
1,1,2-Trichloroethane	ND	7.1
Tetrachloroethene	ND	7.1
Dibromochloromethane	ND	7.1
Chlorobenzene	ND	7.1
Bromoform	ND	7.1
1,1,2,2-Tetrachloroethane	ND	7.1
1,3-Dichlorobenzene	ND	7.1
1,4-Dichlorobenzene	ND	7.1
1,2-Dichlorobenzene	ND	7.1

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	90	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	104	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	MW-9	Batch#:	152128
Lab ID:	212789-006	Sampled:	06/11/09
Matrix:	Water	Received:	06/11/09
Units:	ug/L	Analyzed:	06/19/09
Diln Fac:	71.43		

Analyte	Result	RL
Chloromethane	ND	71
Vinyl Chloride	ND	36
Bromomethane	ND	71
Chloroethane	ND	71
Trichlorofluoromethane	ND	71
Freon 113	ND	140
1,1-Dichloroethene	ND	36
Methylene Chloride	ND	1,400
trans-1,2-Dichloroethene	ND	36
1,1-Dichloroethane	ND	36
cis-1,2-Dichloroethene	ND	36
Chloroform	ND	71
1,1,1-Trichloroethane	ND	36
Carbon Tetrachloride	ND	36
1,2-Dichloroethane	ND	36
Trichloroethene	ND	36
1,2-Dichloropropane	ND	36
Bromodichloromethane	ND	36
cis-1,3-Dichloropropene	ND	36
trans-1,3-Dichloropropene	ND	36
1,1,2-Trichloroethane	ND	36
Tetrachloroethene	ND	36
Dibromochloromethane	ND	36
Chlorobenzene	ND	36
Bromoform	ND	36
1,1,2,2-Tetrachloroethane	ND	36
1,3-Dichlorobenzene	ND	36
1,4-Dichlorobenzene	ND	36
1,2-Dichlorobenzene	ND	36

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	78	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	107	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	MW-10	Batch#:	152082
Lab ID:	212789-007	Sampled:	06/11/09
Matrix:	Water	Received:	06/11/09
Units:	ug/L	Analyzed:	06/17/09
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	96	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	105	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	MW-11	Batch#:	152082
Lab ID:	212789-008	Sampled:	06/11/09
Matrix:	Water	Received:	06/11/09
Units:	ug/L	Analyzed:	06/17/09
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	98	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	110	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	MW-12	Batch#:	152082
Lab ID:	212789-009	Sampled:	06/11/09
Matrix:	Water	Received:	06/11/09
Units:	ug/L	Analyzed:	06/18/09
Diln Fac:	2.000		

Analyte	Result	RL
Chloromethane	ND	2.0
Vinyl Chloride	ND	1.0
Bromomethane	ND	2.0
Chloroethane	ND	2.0
Trichlorofluoromethane	ND	2.0
Freon 113	ND	4.0
1,1-Dichloroethene	ND	1.0
Methylene Chloride	ND	40
trans-1,2-Dichloroethene	42	1.0
1,1-Dichloroethane	ND	1.0
cis-1,2-Dichloroethene	42	1.0
Chloroform	ND	2.0
1,1,1-Trichloroethane	ND	1.0
Carbon Tetrachloride	ND	1.0
1,2-Dichloroethane	ND	1.0
Trichloroethene	98	1.0
1,2-Dichloropropane	ND	1.0
Bromodichloromethane	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
1,1,2-Trichloroethane	ND	1.0
Tetrachloroethene	ND	1.0
Dibromochloromethane	ND	1.0
Chlorobenzene	ND	1.0
Bromoform	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.0
1,2-Dichlorobenzene	ND	1.0

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	98	77-137
Toluene-d8	98	80-120
Bromofluorobenzene	110	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	MW-13	Batch#:	152128
Lab ID:	212789-010	Sampled:	06/11/09
Matrix:	Water	Received:	06/11/09
Units:	ug/L	Analyzed:	06/18/09
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	4.7	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	69	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	48	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	17	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	88	77-137
Toluene-d8	102	80-120
Bromofluorobenzene	111	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Halocarbons by GC/MS

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC500376	Batch#:	152082
Matrix:	Water	Analyzed:	06/17/09
Units:	ug/L		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	95	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	107	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Halocarbons by GC/MS

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC500377	Batch#:	152082
Matrix:	Water	Analyzed:	06/17/09
Units:	ug/L		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	96	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	109	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Halocarbons by GC/MS

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	152082
Units:	ug/L	Analyzed:	06/17/09
Diln Fac:	1.000		

Type: BS Lab ID: QC500378

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	22.50	25.57	114	74-132
Trichloroethene	22.50	21.62	96	80-120
Chlorobenzene	22.50	23.38	104	80-120

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	94	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	106	80-125

Type: BSD Lab ID: QC500379

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	22.50	25.11	112	74-132	2	20
Trichloroethene	22.50	21.13	94	80-120	2	20
Chlorobenzene	22.50	23.75	106	80-120	2	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	91	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	106	80-125

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Halocarbons by GC/MS

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC500562	Batch#:	152127
Matrix:	Water	Analyzed:	06/18/09
Units:	ug/L		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	119	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	99	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Halocarbons by GC/MS

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC500563	Batch#:	152127
Matrix:	Water	Analyzed:	06/18/09
Units:	ug/L		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	109	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	100	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Halocarbons by GC/MS

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	152127
Units:	ug/L	Analyzed:	06/18/09
Diln Fac:	1.000		

Type: BS Lab ID: QC500564

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	23.75	23.24	98	74-132
Trichloroethene	23.75	25.05	105	80-120
Chlorobenzene	23.75	23.22	98	80-120

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	118	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	99	80-125

Type: BSD Lab ID: QC500565

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	23.75	23.92	101	74-132	3	20
Trichloroethene	23.75	25.76	108	80-120	3	20
Chlorobenzene	23.75	23.40	99	80-120	1	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	119	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	99	80-125

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Halocarbons by GC/MS

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	152127
MSS Lab ID:	212772-004	Sampled:	06/10/09
Matrix:	Water	Received:	06/11/09
Units:	ug/L	Analyzed:	06/18/09
Diln Fac:	1.000		

Type: MS Lab ID: QC500566

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.1040	25.00	24.84	99	77-134
Trichloroethene	0.9949	25.00	28.66	111	75-130
Chlorobenzene	<0.1291	25.00	25.17	101	80-120

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	115	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	103	80-125

Type: MSD Lab ID: QC500567

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	24.86	99	77-134	0	20
Trichloroethene	25.00	27.70	107	75-130	3	20
Chlorobenzene	25.00	24.95	100	80-120	1	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	115	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	102	80-125

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Halocarbons by GC/MS

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC500568	Batch#:	152128
Matrix:	Water	Analyzed:	06/18/09
Units:	ug/L		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	97	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	106	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Halocarbons by GC/MS

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC500569	Batch#:	152128
Matrix:	Water	Analyzed:	06/18/09
Units:	ug/L		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	93	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	107	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Halocarbons by GC/MS

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	152128
Units:	ug/L	Analyzed:	06/18/09
Diln Fac:	1.000		

Type: BS Lab ID: QC500570

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	23.75	26.70	112	74-132
Trichloroethene	23.75	22.42	94	80-120
Chlorobenzene	23.75	25.04	105	80-120

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	93	77-137
Toluene-d8	99	80-120
Bromofluorobenzene	105	80-125

Type: BSD Lab ID: QC500571

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	23.75	28.44	120	74-132	6	20
Trichloroethene	23.75	24.26	102	80-120	8	20
Chlorobenzene	23.75	26.44	111	80-120	5	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	94	77-137
Toluene-d8	100	80-120
Bromofluorobenzene	108	80-125

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Halocarbons by GC/MS

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC500740	Batch#:	152172
Matrix:	Water	Analyzed:	06/19/09
Units:	ug/L		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	123	77-137
Toluene-d8	98	80-120
Bromofluorobenzene	101	80-125

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Halocarbons by GC/MS

Lab #:	212789	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	152172
Units:	ug/L	Analyzed:	06/19/09
Diln Fac:	1.000		

Type: BS Lab ID: QC500741

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	24.09	96	74-132
Trichloroethene	25.00	27.33	109	80-120
Chlorobenzene	25.00	24.74	99	80-120

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	124	77-137
Toluene-d8	102	80-120
Bromofluorobenzene	100	80-125

Type: BSD Lab ID: QC500742

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	23.97	96	74-132	1	20
Trichloroethene	25.00	26.78	107	80-120	2	20
Chlorobenzene	25.00	24.27	97	80-120	2	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	122	77-137
Toluene-d8	101	80-120
Bromofluorobenzene	98	80-125

RPD= Relative Percent Difference