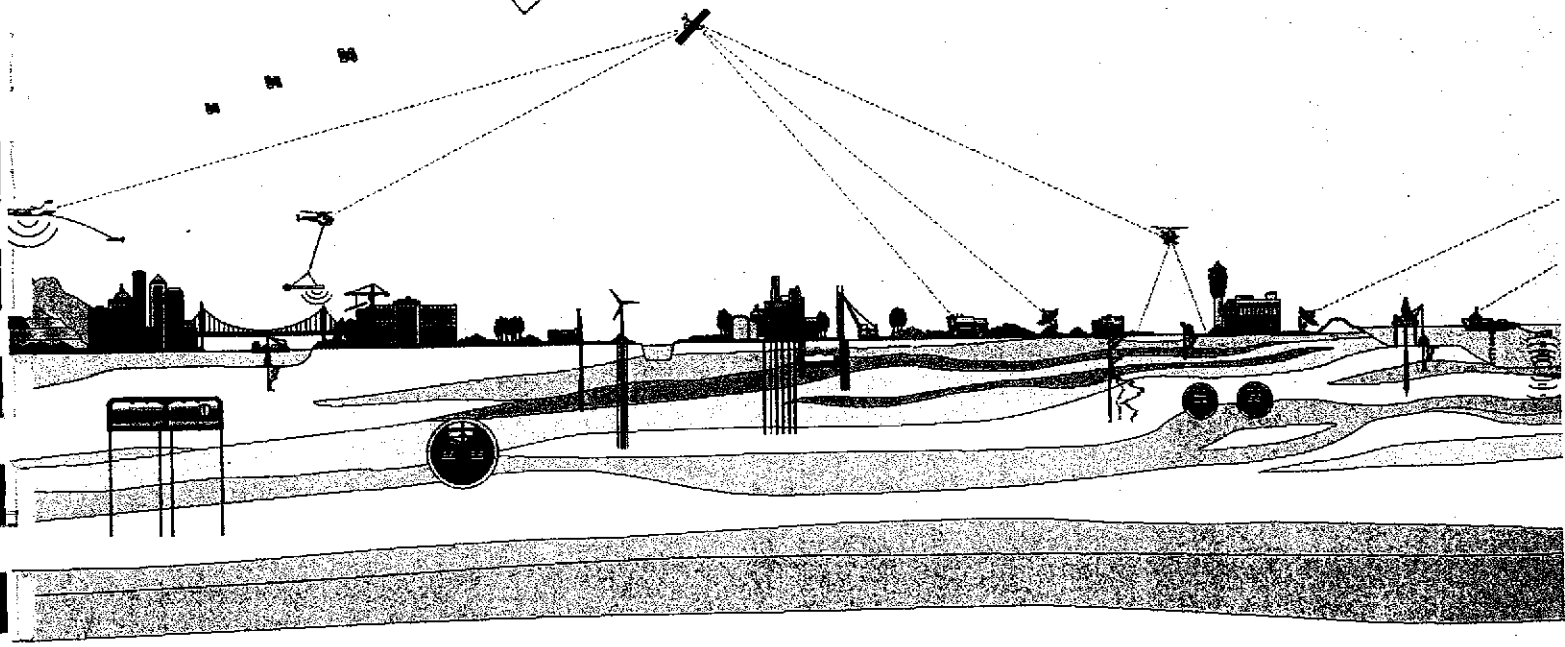
FUGRO WEST, INC.

PHASE 2 ENVIRONMENTAL SITE ASSESSMENT
GROTH BROS. CHEVROLET
LIVERMORE, CALIFORNIA

Prepared for:
CITY OF LIVERMORE
REDEVELOPMENT AGENCY

NOVEMBER 2004

Project No. 1121.007



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November 23, 2004
Project No. 1121.007

City of Livermore
Economic Development Department
1052 S. Livermore Avenue
Livermore, California 94550-4899

Attention: Ms. Chris Davidson

Subject: Phase 2 Environmental Site Assessment
Groth Bros. Chevrolet
Livermore, California

Dear Ms. Davidson:

Fugro West, Inc. is pleased to present this draft of Phase 2 Environmental Site Assessment Report for the Groth Bros. Chevrolet property in Livermore, California. The report presents the results of our assessment for your review and comment. Conclusions and recommendations contained herein are based upon applicable standards of our profession at the time this report was prepared.

Should you have any questions or require additional information, please do not hesitate to contact us.

Sincerely,

FUGRO WEST, INC.

Melissa L. Pleva
Staff Engineer & Geologist

Glenn S. Young, R.G. No. 6406
Principal Geologist

MLP/GSY:rp

Copies Submitted: (3) Addressee

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1.0 INTRODUCTION

This report represents the results of a Phase 2 Environmental Site Assessment (ESA) conducted by Fugro West, Inc. (Fugro) at the Groth Bros. Chevrolet property in Livermore, California. This Phase 2 ESA was conducted in accordance with our proposal to the City of Livermore (City) dated October 8, 2004. The purpose of this investigation was to evaluate subsurface soil and groundwater conditions, and conduct a building materials survey at the Site. Results of this investigation will be used by the City to assist with redevelopment activities for the Site.

2.0 BACKGROUND

The Site is located at 57 and 59 South L Street in downtown Livermore (Plates 1 and 2). Based on parcel maps provided by the City, we understand that the addresses of 1934 and 1962 First Street are also part of the Site. The property is currently owned and occupied by Groth Bros. Chevrolet and includes a showroom with offices, maintenance shops, and automobile sales lot. Based on information provided by the City, we understand that four former underground storage tanks (USTs) were previously used at the Site. Three other USTS were formerly located at the 2080 Railroad property but we understand that site is not part of the property transaction. Based on our review of the available reports the status of the USTs are as follows:

- One 550-gallon gasoline UST was located near the showroom and was apparently removed in 1990;
- One 550-gallon waste oil UST was located near in front of service bays and was apparently removed in 1990; and
- Two 280-gallon oil USTs were located inside the service bays and were apparently abandoned in-place using concrete to fill these USTs.

Additionally, we understand that site operations included the use of degreasing solvents, paint thinner, and hydraulic lifts.

3.0 ENVIRONMENTAL SETTING

The Site location can be found in the Alameda County Thomas Brothers Guide Directory, Page 715, Quadrant G1, or on the United States Geological Survey (USGS) Livermore, California Quadrangle, 7.5-minute-series, within Township 3 South, Range 2 East, Section 16.

The Site comprises a relatively level parcel in an area that slopes gently towards the northwest. The Site elevation is approximately 485 feet above mean sea level according to the referenced topographic map. The nearest surface water body (Arroyo Mocho Creek) is located approximately 0.6 mile south of the Site.

Based on groundwater data from the Zone 7 Water Resources Engineering Groundwater Program, the Site lies within the Mocho 2 Sub-basin of the Livermore Valley Groundwater Basin. Groundwater data collected in 1996 within the same Township, Range, and Section as the Site indicated depths to groundwater ranging from approximately 14 to 21 feet bg. A groundwater contour map prepared by the same agency for 1996 showed a groundwater gradient towards the northwest. Based on review of previous reports (EarthTech 1994), California Water Service Company supplies water to the City of Livermore and operates 3 water supply wells within 0.75 miles from the Site; none are located at the Site. These wells are screened from depths of 273 to 517 feet.

4.0 SCOPE OF WORK

To evaluate whether historical site operations or activities at nearby properties have impacted soil and/or groundwater conditions, Fugro conducted the following scope of work:

- Reviewed Sanborn Fire Insurance Maps and historical aerial photographs to assess historical site uses;
- Reviewed an Environmental Data Resources, Inc. (EDR) database report to identify documented hazardous materials handling, storage, and/or releases within the Site vicinity;
- Reviewed Alameda County Environmental Health Department files for the Site and adjacent properties to identify potential sources of chemicals of concern at or adjacent to the Site;
- Conducted a geophysical survey using a magnetometer to check for the presence of Underground Storage Tanks (USTs) and associated fuel piping in the southeastern and southwestern portions of the Site;
- Conducted a soil and groundwater investigation, including chemical analyses on selected samples;
- Coordinated a building material survey to evaluate the presence of asbestos-containing material (ACM) and lead-based paint (LBP); and
- Prepared this Phase 2 ESA report.

5.0 SITE HISTORY

5.1 OWNERSHIP HISTORY

Fugro understands that the Site is presently owned by Groth Bros. Chevrolet. No title search was conducted as a part of this study.

5.2 TOPOGRAPHIC MAPS, AERIAL PHOTOGRAPHS, SANBORN MAP, BUSINESS DIRECTORIES AND BUILDING RECORD REVIEW

To interpret the Site's historical land use for this ESA, Fugro reviewed the following:

- Topographic maps dating back to 1961;
- Aerial photographs dating back to 1957;
- Sanborn Maps dating back to 1884; and
- Business directories dating back to 1963

Additional historical information was obtained from building records reviewed at the City of Livermore Building Department. Based on our review, a chronology of the Site development history is presented in Table 1 and a summary is presented in Section 5.3.

5.2.1 Topographic Maps

Fugro reviewed the USGS Livermore, California 7.5-Minute topographic map dated 1961 and photorevised in 1980. Both maps show the Site in urban use with no structures shown in the site vicinity.

5.2.2 Aerial Photographs

Fugro reviewed aerial photographs of the Site vicinity from Pacific Aerial Surveys located in Oakland, California. Photographs from the following years were reviewed:

Date	Photograph	Scale
5/16/57	AV-253	1:12,000
4/16/59	AV-329	1:9,600
5/15/69	AV-903	1:12,000
4/12/71	AV-994	1:12,000
4/30/80	AV-1860	1:12,000
7/23/90	AV-3845	1:12,000
11/05/02	AV-8202	1:12,000

Fugro observed the photographs for changes in Site use and features that may indicate the use, storage, spillage, and/or disposal of hazardous materials or wastes.

5.2.3 Sanborn Fire Insurance Maps

Fugro reviewed available Fire Insurance Maps for the site for the following years: 1884, 1888, 1893, 1907, 1917, 1929, 1944, and 1959. Copies of these maps are included in Appendix A.

5.2.4 Business Directories

Fugro reviewed historic Livermore City Directories for the years of 1963, 1970, and 1972 at the City of Livermore Library.

5.2.5 Building Records

Fugro reviewed the building records available at the City of Livermore Building Department. The review concentrated on former occupants of the Site. It should be noted that based on information provided by one of the building officials, some of the historical building records for the Site may have been lost due to a flood that impacted the former City of Livermore City Hall in the early 1960s. Some of the more significant building permit records found are discussed below.

1934 First Street:

- A permit to construct carports issued to Bud Gestri Ford Sales dated January 24, 1962;
- A permit to construct a fence issued to Bud Gestri Ford dated October 14, 1963;
- A roofing permit issued to Bud Gestri Ford dated July 13, 1967;
- A sign permit issued to M.E. Codiroli dated January 13, 1969 ;
- A permit for a showroom issued to Codiroli Ford dated November 16, 1970;
- A permit for "a canopy on front" issued to Codiroli Ford dated July 26, 1971; and
- A permit to remove and existing building and construct two commercial buildings issued to Groth Brothers dated April 12, 1973.

19 South L Street:

- A permit to remove doors and replace header and posts issued to Diamond National Corporation dated November 1, 1966;
- A sign permit issued to Diamond National Corporation dated September 10, 1971; and
- A demolition permit to remove wood frame sheds issued to Diamond National Corporation dated April 6, 1977.

57 South L Street:

- A permit for an addition to a commercial building issued to Harold Kamp dated December 12, 1957;
- A permit to repair a commercial building issued to Harold Kamp dated March 19, 1962; and
- A permit to construct an office and shop for Groth Brothers issued to the Groth Company dated October 10, 1995.

61 South L Street:

- A permit for interior remodeling of a commercial building (furniture store) issued to Harold Kamp dated March 19, 1962.

71 South L Street:

- A permit for a marquee issued to HW Lassan dated April 3, 1960

83 South L Street:

- A permit for and awning issued to HW Lassan dated March 15, 1960; and
- A permit to demolish a building issued to Groth Brothers dated June 8, 1972

5.3 SUMMARY OF SANBORN MAPS, AERIAL PHOTOGRAPHS, BUSINESS DIRECTORY, AND BUILDING RECORD REVIEW

Based on the earliest historical records reviewed (an 1884 Sanborn Map), the Site was shown developed with two dwellings (adjacent to First Street), a grain warehouse, a general merchandise store, and a couple small buildings, which appear to be sheds. The grain warehouse and merchandise store were identified as "Anspacher Brothers" and "Anspacher." Also shown was a tank (perhaps with a windmill) near the southeastern portion of the Site that was likely used to store water, and a set of rail tracks along the northwestern end of the Site. The adjacent properties were either shown developed with hotels or residential dwellings. Railroad tracks were shown on the northwestern end of the Site.

The Site appeared more fully developed in the 1917 Sanborn Map. There were now four store buildings located on the Site near the corner of L and First Streets. Also shown were the following: F.C. Larsen Barley Mill; Independent Warehouse Company (Warehouse No. 2), two storage buildings, an unidentified building, and a few small structures interpreted as sheds or garages. The tank seen in the previous maps was also shown on the southeastern portion of the Site. This map also noted "scattered piles of lumber" on the northern portion of the Site that appear to be associated with a lumberyard located southwest of the Site.

A 1929 Sanborn Map indicate that the stores located on the Site near the corner of L and First Streets were replaced with an auto sales building. Also shown on the Site were the following: Warehouse No. 2 (seen in previous maps); Barlet Mill (Fuel and Feed); a garage with a portion marked as "Rep" (possibly an auto repair garage); three storage buildings, and two small buildings interpreted as sheds or garages. No lumber storage was noted on the Site as shown in the previous map, though the lumberyard to the southwest of the Site was still present. No significant changes were noted on the adjacent properties.

The 1944 Sanborn Map identified "Gas & Oil" at the corners of L and First Streets (1306 First Street), and M and First Streets (1394 First Street), respectively. It is unclear whether that identification referred to USTs at a service station or another use. A used car sales lot was shown between the two corner lots. Also observed in the area of the used car dealership was a small structure identified as a grease rack. A new lumberyard, identified as the Diamond National Match Company, was shown on the northwestern end of the Site.

Retail and commercial buildings currently present on the southern portion of the Site were fully developed by 1980. No obvious on-site environmental concerns, other than the on-site car repair, were noted.

Business directories researched in this assessment identified the following off-site properties of potential environmental concern:

- 2008 1st Street: Jerry's Flying A Service Station (1963); later Jerry Bireley's Phillips 66 (1970/1972); and currently the Valley Gas Station;
- 1987 1st Street: Payless Cleaners of Livermore/Valley Hotel (1963 to current); and
- 1931 1st Street: Firestone (current occupant).

6.0 ENVIRONMENTAL DATABASE REVIEW

Fugro reviewed lists of properties with documented hazardous materials handling, storage, and/or releases within the Site vicinity that were identified in the EDR report (dated October 14, 2004). The EDR report is compiled from published federal, state, and local regulatory agency databases. Appendix A provides a copy of the Executive Summary and the radius map from the EDR report. A complete copy of the EDR report is also provided on compact disc in Appendix A. The databases reviewed included, but not limited to, the following:

Federal ASTM Standard

- National Priority List (NPL)
- Proposed NPL
- Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)
- CERCLIS No Further Remedial Action Planned (CERC-NFRAP)
- Corrective Action Reports (CORRACTS)
- Resource Conservation and Recovery Information System (RCRIS) for Treatment, Storage and Disposal (TSD)
- RCRIS – TSD
- RCRIS – Large/Small Quantity Generator
- Emergency Response Notification System (ERNS)

Federal ASTM Supplemental

- Superfund (CERCLA) Consent Decrees (CONSENT)
- NTIS Record of Decision (ROD)
- Delisted NPL
- Facility Index System (FINDS)
- Hazardous Materials Incident Report System (HMIRS)
- Material Licensing Tracking System (MLTS)
- Mines Master Index File (MINES)
- NPL Liens
- PCB Activity Database (PADS)
- Department of Defense (DOD)
- US Brownfields
- RCRA Administrative Action Tracking System (RAATS)
- Toxic Release Inventory System (TRIS)
- Toxic Substances Control Act (TSCA)
- Section 7 Tracking System (SSTS)
- Toxic Substances Control Act and Federal Insecticide, Fungicide & Rodenticide Act /TSCA Tracking System (FTTS)
- Indian Reservations

State ASTM Standard

- Annual Work Plan (AWP)
- California Department of Toxic Substances and Control Cal-Sites Database (CAL-SITES)
- California Hazardous Material Incident Report System (CHMIRS)
- SWRCB Proposition 65 (Notify 65)
- List of Toxic Pits Cleanup Act Sites (Toxic Pits)
- Solid Waste Information System (SWF/LF)
- Waste Management Unit Database System (WMUDS)/ Solid Waste Assessment Test (SWAT)
- Leaking Underground Storage Tank (LUST)
- CA Bond Exp. Plan
- List of Registered Underground Storage Tanks (UST)
- Voluntary Cleanup Program (VCP)
- California Facility Inventory Database for Underground Storage Tanks (CA FID UST)
- List of Historical Underground Storage Tanks (Hist. UST)
- Chemically impacted drinking water wells, remediation sites, reportable release sites (Cortese)

State / Local ASTM Standard

- List of Registered Aboveground Storage Tanks (AST)
- A List of Drycleaner Related Facilities (CLEANERS)
- California Waste Discharge System (CA WDS)
- List of Deed Restrictions (DEED)
- Properties Needing Further Evaluation (NFE)
- No Further Action (NFA)
- Emissions Inventory Data (EMI)
- Referred to Another Agency (REF)
- School Property Evaluation Program (SCH)
- California Regional Water Quality Control Board Spills, Leaks, Investigations & Cleanup Cost Recovery Listing (CA SLIC)
- Ventura County Business Plans, Hazardous Waste Producers, and operating UST/AST (BWT)
- Hazardous Waste Information System (HAZNET)

The Site was listed on multiple databases, including the HAZNET database as having generated waste oil, hydrocarbon solvents, solvent mixture waste, aqueous solvents, organic liquid mixtures, and aqueous solvents with metals. The Site was listed on the RCRIS-Small Quantity Generator (SQG) database and the FINDS database as a hazardous waste generator. No RCRA violations were reported. The Site was also listed on the UST HIST, CORTESE, LUST, and Emissions databases.

Based on our review of the EDR report, the Site and two offsite properties are considered potential environmental concerns. The location of these properties is illustrated on the radius map included in Appendix A. The two offsite properties include the following:

2008 1st Street – Desert Petroleum. This property is currently identified as Valley Gas. The EDR report indicates that this property has been impacted with a release from an underground gasoline tank. Gasoline, MTBE, and BTEX were detected in the groundwater. The EDR report indicates that remedial action (cleanup) is underway.

2948 1st Street - Quality Cleaners. This property is currently a dry cleaner that may have handled dry cleaner solvent (PCE). Therefore, this property is considered a potential environmental concern to the Site. No releases are indicated in the EDR report.

7.0 FILE REVIEW - ALAMEDA COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

Fugro reviewed the Alameda County Environmental Health Department (ACEHD) files for the Site. The following information was obtained for the Site and adjacent properties:

59 S. L Street (Groth Bros. Chevrolet)

The file indicated that 4 USTs were located at the Site as described in Section 2. In October 1990, two 280-gallon waste oil USTs located within an existing service bay were closed-in-place. One 550-gallon waste oil UST located in front of the service bay and one 550-gallon gasoline UST were removed. Soil samples were collected below each of the two USTs. The absence of TPHg, TPHd, and TPHmo in the soil samples; the absence of TPHd, TPHmo, and Total oil and grease (TOG) in the groundwater samples; and the low concentrations of TOG in the soil samples at the two tank locations suggest that motor oil and waste oil hydrocarbons did not impact the groundwater below the USTs.

Boring and one monitoring wells (MW-1) were installed near the USTs on the southwestern corner of the Site (GeoStrategies 1994). Analyses detected no hydrocarbons, PCE or TCE in soil samples suggesting that former UST operations had not impacted soil and groundwater at the Site. Detected metals concentrations were similar to background.

In their letter dated November 30, 1999 (Appendix B), ACEHD requested that MW-1 be decommissioned and that after the well was decommissioned a remedial action completion letter would be issued for the former USTs. Based on Fugro's reconnaissance, MW-1 was not decommissioned. The file also indicated that 3 other USTS are located at 2080 Railroad Avenue, which is not part of the Site and is located near the northeast corner of North L and Railroad Avenue.

A Phase I and II Environmental Site Assessment Report was prepared for the Two Acre Parcel at Railroad Avenue and L Street (EarthTech 1994, Appendix E). Seven borings were advanced with hand auger equipment and samples were reportedly collected from depths of 1 to 1.5 feet bgs. Analyses detected lead concentrations up to 45 milligram per kilogram (mg/kg) and TPHmo concentrations up to 20 mg/kg. A composite sample collected from the large stockpile contained 66 mg/kg of total lead and 10 mg/kg of TPHmo. Detected concentrations of lead and TPHmo were below residential Environmental Screening Levels (ESLs) established by the Regional Water Quality Control Board (RWQCB 2003). The source of the stockpile is unknown but presumed to be the Mill Spring Apartments located west of the Site.

2008 1st Street (Desert Petroleum / Valley Gas)

The soil and groundwater investigation report (Einarson 1997) indicates the groundwater gradient to be approximately 0.02 ft/ft toward the west. Benzene and TPHg concentration maps show the dissolved hydrocarbon plume extends beneath the Groth Brothers property and onto the neighboring Mill Spring Park Apartments property. At one location (G3) within the Groth property, detected benzene concentrations in the plume released from this gas station exceeded the residential and commercial ESL criteria (1,900 and 6,400 ug/l respectively) for impacts to indoor-air. Plume concentration maps are included in Appendix C and D. Quarterly groundwater monitoring appears to be ongoing for this property.

1809 Railroad Avenue (Mill Spring Park apartments)

The file contained information regarding the removal of two USTs and the excavation of soil in four areas at the site. Based on our review, soil impacted with oil was re-used on the property as sub-base for asphalt pavement in parking areas. During well decommissioning 0.5 inches of free product was observed in one of the wells. Results of the LNAPL Assessment and Groundwater Characterization Evaluation (EarthTech, 1995) detected up to 250,000 ug/L of Total Petroleum Hydrocarbons as gasoline (TPHg), 42,000 micrograms per liter (ug/L) of benzene, and up to 110,000 ug/L of MTBE in groundwater samples.

Groundwater Sample Location	TPHg (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)
G-1	280	60	<0.5	<0.5	1.5	<2.0
G-2	94	1.7	<0.5	<0.5	<0.5	<2.0
G-3	82,000	12,000	19,000	2,700	12,000	18,000
G-4	4,300	33	<0.5	2.5	4.5	<2.0
MW-5	250,000	42,000	120,000	23,000	120,000	110,000
ESL[1] (residential)	NE	1,900	530,000	52,000	160,000	48,000
ESL[1] (commercial)	NE	6,400	530,000	180,000	160,000	160,000

< = Not detected at or above listed analytical reporting limit

NE = Not Established

[1] Table E1a of the SFRWQCB's Groundwater Screening Levels for Evaluation of Potential Indoor-Air Impacts (volatile chemicals only) for low/moderate permeability soils at a residential and commercial land use.

8.0 FIELD ACTIVITIES

Fugro's field activities included a geophysical survey and a subsurface investigation as described below. The areas of the geophysical survey and approximate boring locations are shown on Plate 2.

8.1 GEOPHYSICAL SURVEY

The geophysical survey was conducted by CU Surveys on November 11, 2004. This survey utilized a magnetometer to check for possible USTs that may have been referenced 1944 Sanborn Map. The survey was conducted over the entire 80-foot by 90-foot western parking area and 80-foot by 110-foot eastern parking area. The findings of the survey indicate a large magnetic anomaly approximately 12' by 20' in the western parking area and two smaller anomalies. It is not clear whether the anomaly is a UST. The survey also found two small metallic anomalies in the eastern parking area that do not appear to be USTs.

8.2 SOIL SAMPLING

The subsurface exploration program consisted of advancing six borings (GROTH-1 through GROTH-6) using direct push methods. Prior to conducting field activities, Fugro prepared a site-specific health and safety plan (HSP) and obtained a drilling permit from the Alameda County Zone 7 Agency. Permit documentation is attached as Appendix F. The borings were completed to depths of 8 to 40 feet on October 26, 2004. The locations of the borings were determined by tape measurements from various references on the Site. Their locations should be considered accurate only to the degree implied by the method.

Soil samples were screened in the field with an organic vapor meter (OVM) to check for the presence of volatile organic compounds (VOCs). No organic vapors above background levels were detected in Groth-1, Groth-3, Groth-5, and Groth-6. Detected organic vapors ranged from 0.8 to 120.1 parts per million (ppm) in Boring Groth-2 at depths ranging from 28 to 40 feet, and from 0.2 to 19.4 parts per million (ppm) in Boring Groth-4 at depths of 7 to 12 feet. The detected OVM readings in soil samples from Groth-2 are likely associated with the hydrocarbon impacts from the Valley Gas site.

In general, 4 to 6 inches of asphalt or concrete pavement was encountered at each boring location. Underlying shallow soils were comprised of interbedded silty gravels, silty and clayey sands with gravels, sandy clays with gravel, and silty clays. Logs of the borings, including the OVM readings, are presented in Appendix G.

8.3 GROUNDWATER SAMPLING

Groundwater was encountered at approximately 35 feet bgs. No groundwater was encountered at Groth-1 and Groth-4. A grab groundwater samples was obtained from MW-1 using a clean disposable bailer lowered into the well casing and Groth-2 using a clean stainless steel bailer that was lowered into temporary well casing installed in the boring. Following completion of soil and groundwater sampling, the borings were backfilled with neat cement grout to the ground surface.

9.0 CHEMICAL TESTING PROGRAM

Soil samples for chemical analyses were retained in acetate liners, and sealed with Teflon® sheeting and plastic end-caps. Groundwater samples were decanted into pre-cleaned containers provided by the analytical laboratory. Samples were stored in an ice-chilled cooler pending delivery to the analytical laboratory. All samples were delivered under appropriate chain-of-custody protocol to STL, a state certified analytical laboratory, for chemical analyses.

Based on review of the historical uses of the Site and adjacent properties, as well as the various releases and materials listed in the EDR selected samples were analyzed for the following:

- Total Petroleum Hydrocarbons quantified as diesel (TPHd) and motor oil (TPHmo) with silica gel clean-up using EPA Method 8015m;
- Total Petroleum Hydrocarbons quantified as gasoline (TPHg), BTEX, and MTBE using EPA Method 8015m/8021b;
- Halogenated Volatile Organic Compounds (HVOCs) using EPA Method 8010/8260b;
- 17 Title 22 Metals using EPA Method 6010/7000; and
- Total Lead and Arsenic using EPA Method 6010.

The two grab groundwater samples were analyzed for the following:

- TPHd and TPHmo with silica gel clean-up using EPA Method 8015m;
- TPHg, BTEX, MTBE using EPA Method 8015m/8021b; and
- HVOCs using EPA Method (8010/8260b).

10.0 RESULTS OF CHEMICAL ANALYSES

Results of chemical analyses performed on soil and grab groundwater samples are summarized in Tables 1 and 2, respectively. Chemical laboratory reports and chain-of-custody documentation are included in Appendix H.

10.1 RESULTS FOR SOIL SAMPLES

Analyses detected no TPHg, BTEX, MTBE, or HVOCs in any of the soil samples tested. Detected TPHd and TPHmo concentrations ranged from 2 to 230 mg/kg. Except for some of the lead concentrations ranging from 14 to 72 mg/kg, detected metal concentrations were generally consistent with anticipated background values. All detected metals concentrations were well below the respective State of California Total Threshold Limit Concentrations (TTLCs), one of the criteria for defining a hazardous waste. Detected TPHd, TPHmo, and metals concentrations in the soil were also well below respective ESLs established by the RWQCB for a residential and direct exposure construction/trench worker scenario (Table 2).

10.2 RESULTS FOR GRAB GROUNDWATER SAMPLES

For the groundwater sample collected from Groth-2, analyses detected 29,000 ug/L of TPHd, 52,000 ug/L of TPHg, 1,300 ug/L of benzene, 3,200 ug/L toluene, 210 ug/L of ethylbenzene, 3,000 ug/L of xylene, and 3,600 ug/L of MTBE. The only HVOC detected was 26 ug/L of cis-1,2-dichloroethene (cis-DCE).

For MW-1, analyses detected no TPHd, TPHmo, TPHg, BTEX, or MTBE. The only HVOC detected was 56 ug/L of Tetrachloroethene (PCE).

The detected chemicals in the grab groundwater samples, including benzene, are less than respective ESL criteria for residential and commercial indoor-air impacts assuming low/moderate soil permeability. Although no testing was conducted to confirm the soil type, Fugro judges that the overall clayey and silty nature of the soil is similar to the low permeable soil type for the purposes of the ESL comparison.

11.0 RESULTS OF BUILDING MATERIALS FILE REVIEW AND SURVEY

Fugro coordinated with RGA Environmental, Inc. (RGA) to perform a limited ACM and LBP survey of building materials at the Site. The survey was completed on October 26, 2004. The results of the building survey are presented in Appendix I.

During their survey, RGA checked the Site and collected samples of various building materials for analytical testing. ACM sampling locations included, drywall and taping mud, roofing materials, ceiling tile, stucco, vinyl flooring and baseboard, carpet adhesive, drop ceilings, and ceramic tile grout. LBP sample locations included interior and exterior paint. The following summarizes the building materials survey for the Site.

A total of 45 suspect materials were identified at the site. Results of analyses detected asbestos-content in 13 samples and an additional 11 samples were assumed to contain asbestos. Friable asbestos was detected in 5 of the 13 samples tested. Detected asbestos comprised the following:

- 3% chrysotile (non-friable) in the vinyl floor tile from the new car department building (server room, break room, conference room, accounting office, and sales floor);
- 2% chrysotile (non-friable) in the mastic from the new car department building (server room, break room, conference room, accounting office, and sales floor);
- 3% chrysotile (friable) in the walls and ceilings from the new car department building (server room, break room, and women's restroom);
- 2% chrysotile (friable) drywall and taping mud (textured) ceilineg from the new car department building (server room, break room, and women's restroom);
- 3% chrysotile (non-friable) in the vinyl from the new car department building sales office;

- 4% chrysotile (non-friable) in the vinyl floor tile from the new car department sales office;
- 4% chrysotile (non-friable) in the vinyl floor mastic from the new car department sales office;
- 2% chrysotile (friable) taping mud from the mechanics building (shops and office);
- 3% chrysotile (non-friable) vinyl floor tile from the mechanics building office;
- 2% chrysotile (non-friable) vinyl floor tile from the mechanics building (locker room and parts department);
- 2% chrysotile (friable) taping mud from the mechanics building (service office, employee parts, and employee parts hallway);
- 4% chrysotile (friable) acoustical ceiling and wall texture from the mechanics building (mechanical shop on the 1st Street side); and
- 2% chrysotile (non-friable) vinyl floor mastic from the new truck building (under carpeting throughout).

A total of 3 paint samples were collected and analyzed for LBP evaluation. Results of analyses detected lead in 2 of the 3 samples tested. Detected lead comprised 2,480 mg/kg in the blue exterior paint on the wood trim of the new truck building and 28,280 mg/kg in the red interior paint on the brick in the mechanics shop.

12.0 CONCLUSIONS AND RECOMMENDATIONS

The Site is has been identified as having registered USTs onsite. In 1990, two of those USTs were removed and two were closed in place. Historical site operations also included the use of degreasing solvents, paint thinner, and hydraulic lifts. Our file review and the EDR have identified significant hydrocarbon impacts to groundwater resulting from a release at the neighboring 2008 First Street property (currently Valley Gas). Those impacts include the migration of dissolved TPHg, benzene, and MTBE from 2008 First Street, beneath the Groth Bros. Property, and extending beneath the neighboring Mill Spring Park Apartments.

The 1944 Sanborn Map identified "Gas & Oil" at the southwestern and southeastern corners of the Site. It is unclear whether that identification referred to USTs or another use. Our geophysical survey identified a magnetic anomaly on the western corner, however, it is unclear whether that anomaly is indicative of a UST.

Based on the results of our investigation, soil at the Site does not appear to be impacted with hazardous concentrations of petroleum hydrocarbons, HVOCs, or metals, including lead. From an environmental standpoint, it is Fugro's opinion that if soil is excavated during construction activities, then the soil should be tested for lead to determine if it will be suitable for reuse or offsite disposal.

Results our subsurface investigation detected the presence of TPHg, TPHd, benzene, ethylbenzene, toluene, xylenes, MTBE, cis-DCE, and PCE in the groundwater. The source of detected petroleum hydrocarbons in groundwater is likely associated with the historical service station operations at 2008 1st Street. The detected PCE and cis-DCE concentrations may be associated with the upgradient dry cleaners or onsite solvent uses. HVOC and hydrocarbon concentrations detected in groundwater during our investigation, including benzene, did not exceed ESL criteria for residential and commercial indoor air impacts. However, the groundwater investigation conducted by others (EarthTech 1994) detected benzene concentrations that exceeded residential ESL criteria for indoor air impacts.

Results of the building material survey detected asbestos in vinyl flooring, mastic, acoustical ceilings, dry wall, taping mud, and wall texture. Friable asbestos was detected in 5 of the 13 samples tested. The survey also identified lead in paint at the Site, including 2,480 mg/kg in the blue exterior paint on the wood trim of the new truck building and 28,280 mg/kg in the red interior paint on the brick in the mechanics shop.

With respect to any future construction activities at the Site, Fugro provides the following recommendations.

- Results of this report should be provided to the selected developer/contractor. Findings from this report should be used to develop a site-specific HSP that should be implemented to notify and protect workers from chemicals detected in the soil and groundwater. The HSP should be reviewed and approved by a certified industrial hygienist.
- If Site redevelopment includes residential uses, Fugro recommends completing a soil-gas investigation in the vicinity of the dissolved hydrocarbon plume. The soil-gas investigation should used to evaluate whether benzene and other gasoline-related chemical emanating from the groundwater exceed respective ESL soil-gas criteria and whether remedial and/or design measures are required to mitigate those impacts.
- During construction activities, if staining, chemical odors, contaminated materials, or USTs are encountered, Fugro recommends that the contractor notify the City of such conditions and appropriate precautions, investigation, and/or mitigation should be implemented.
- Although it is Fugro's opinion that soil excavated from the site is likely non-hazardous for disposal purposes, results of analyses for nearby properties indicate the possibility that shallow soil may contain elevated lead concentrations. If soil is to be excavated from the site, Fugro recommends additional testing to confirm whether soil is suitable for reuse or should be disposed at a landfill.

Based on the presence of asbestos containing material and lead based paint Fugro recommends that the applicable Occupational Safety and Health Administration (OSHA) and Environmental Protection Agency (EPA) regulations be followed. Fugro presents the following recommendations regarding the building materials at the project site.

- Develop a performance abatement specification for the removal of the ACMs identified in the survey.
- Retain a Certified Asbestos Consultant or a Surveillance Technician to provide on-site construction supervision, sample collection, ensure that all local, state and federal regulations are followed, and to document abatement activities.
- Abate any peeling, stratified, or blistered lead-containing paint. LBP that is abated should be classified as hazardous waste if lead waste concentrations exceed either the TTLC or STLC regulatory limits. The disposal of LBP should be coordinated with an appropriate landfill.
- Require the abatement contractor to provide workers that are trained by the California Department of Health Services for abatement of LBP.

13.0 LIMITATIONS

Fugro has prepared this report in a professional manner, using that degree of skill and care exercised for similar projects under similar conditions by reputable and competent environmental consultants. Fugro shall not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time the report was prepared. Fugro also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report. We believe that conclusions stated herein to be factual, but no guarantee is made or implied. This report has been prepared for the benefit of City of Livermore. The information contained in this report, including all exhibits and attachments, may not be used by any party other than the City of Livermore, without the express written consent of Fugro.

14.0 REFERENCES

Documents

Alameda County Department of Environmental Health, Alameda, CA, Record Review, November 4, 2004.

Earth Tech, 1995, *Final LNAPL Assessment and Groundwater Characterization Evaluation, Mills Springs Park Apartments, Livermore, California*, dated October.

Earth Technology Corporation, 1994, Phase I and II Environmental Site Assessment Report Two Acre Parcel at Railroad Avenue and L Street, Livermore, California, dated May 4.

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Einarson Fowler & Watson 1997. Water Quality Evaluation – B & C Gas Mini Mart. Figure 3.

GeoStratigies Inc., 1994, *Subsurface Investigation Relating to Waste Oil Hydrocarbon at the Groth Brothers Oldsmobile-GMC, Livermore, California*, dated May 31.

City of Livermore, *Business Directories*, 1963, 1970, and 1972.

Lawrence Berkeley National Laboratory Environmental Restoration Program, 2002. Analysis of Background Distributions of Metals in Soil at LBNL. June.

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Pacific Aerial Surveys, *Aerial Photographs*, 1957, 1959, 1969, 1971, 1980, 1990, and 2002.

Regional Water Quality Control Board, San Francisco Bay Region, *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater – Interim Final.* July 2003.

Other References:

California Division of Mines and Geology, Geologic Map of San Francisco - San Jose Quadrangle, 1991.

USGS Livermore Quadrangle, Alameda County, CA., 7.5 Minute Series, 1961 (photo revised 1980).

TABLE 1
SUMMARY OF LAND USE HISTORY
GROTH BROS. CHEVROLET
LIVERMORE, CALIFORNIA

1884 Sanborn Map

The Site was shown developed with two dwellings (adjacent to First Street), a grain warehouse, a general merchandise store, and a couple small buildings, which appear to be sheds. The grain warehouse and merchandise store were identified as "Anspacher Brothers" and "Anspacher." Also shown was a tank near the southeastern portion of the Site that was likely used to store water, and a set of rail tracks along the northwestern end of the Site. The adjacent properties were either shown developed with hotels or dwellings. Railroad tracks were shown on the northwestern end of the Site.

1888 Sanborn Map

The Site was shown to have similar land use. The only notable change on the Site was the addition of a small building identified as "agricultural products." The adjacent properties generally remained in residential use.

1893 Sanborn Map

The Site was essentially unchanged from the previous map other than the addition of a general warehouse building on the Site.

1907 Sanborn Map

The Site was shown to have similar land use as in the previous maps. One of the dwellings seen in the previous maps had been demolished by this year. In addition to the residential land use, the adjacent properties were now shown improved with a couple of warehouse buildings.

1917 Sanborn Map

The Site was shown developed with four store buildings located on the Site near the corner of L and First Streets. Also shown were the following: F.C. Larsen Barley Mill; Independent Warehouse Company (Warehouse No. 2), two storage buildings, an unidentified building, and a few small structures interpreted as sheds or garages. The tank seen in the previous maps was also shown on the southeastern portion of the Site. This map also noted "scattered piles of lumber" on the northern portion of the Site; this lumber storage appears to be associated with a lumber yard located southwest of the Site.

1929 Sanborn Map

The stores located on the Site near the corner of L and First Streets were replaced with an auto sales building. Also shown on the Site were the following: Warehouse No. 2 (seen in previous maps); Barlet Mill (Fuel and Feed); a garage with a portion marked as "Rep" (possibly an auto repair garage); three storage buildings, and two small buildings interpreted as sheds or garages. No lumber storage was noted on the Site as shown in the previous map, though the lumber yard to the southwest of the Site was still present. No significant changes were noted on the adjacent properties.

1944 Sanborn Map

The 1944 Sanborn Map identified "Gas & Oil" at the corners of L and First Streets (1306 First Street), and M and First Streets (1394 First Street), respectively. It is unclear whether that identification referred to USTs at a service station or another use. A used car sales lot was shown between the two corner lots. Also observed in the area of the used car dealership was a small structure identified as a grease rack. A new lumberyard, identified as the Diamond National Match Company, was shown on the northwestern end of the Site. The Barlet Mill with the fuel and feed in warehouse marking (45 South L Street) was also present, as well as Warehouse No. 2 and the unidentified building first noted in the 1917 Sanborn Map. A used car sales lot was shown between the two southern corners of the Site. No significant changes on the adjacent properties were noted.

5/16/57 Aerial Photograph 1:9,600

A lumberyard and warehouse were observed at northwestern end of the Site. Railroad tracks (trending east-west) were observed immediately adjacent and southeast of this lumberyard. Materials most likely from the lumberyard are being stored along the tracks. The southern portion of the Site appears to be occupied by several structures most likely associated with car sales and repair. A structure was observed at the northeast corner of S. L Street and 1st Street, currently occupied by Valley Gas. A gasoline station was also observed at the northeast corner of S. L Street and 2nd Street.

1959 Sanborn Map

This map showed that the gasoline fueling area located at 1394 First Street had been demolished and the area was shown as a used cars sales lot. The Barlet Mill and Warehouse No. 2 now appear to have been removed from the Site and the area appeared undeveloped. An auto repair shop was shown to the south of the grease rack structure noted in the 1944 Sanborn Map. No significant changes were noted on the adjacent properties other than an auto repair facility being added to the adjacent property to the southeast (1391 First Street, a former address).

4/16/59 Aerial Photograph 1:9,600

This photograph was essentially unchanged from the previous aerial photograph.

1963 City of Livermore Directory

The following listings for the Site were found:

- *19 South L Street*: Diamond National Corporation;
- *59 South L Street*: a garage;
- *71 South L Street*: Okie & Tex Café;
- *83 South L Street*: Hughes Drapery; and
- 1934 First Street: Bud Gestri Ford.

No other listings for the Site's address ranges were found.

Listings found on the adjacent properties of potential environmental concern:

- *2008 First Street (Southeast)*: Jerry's Flying A Service Station; and
- *1987 First Street (South)*: Payless Cleaners of Livermore/Valley Hotel.

5/15/69 Aerial Photograph 1:12,000

This photograph showed the railroad tracks and lumberyard facility at the Site have decreased in size. It is unclear if the linear feature at the northern portion of the Site is an active rail line. A gasoline station was observed at the northeast corner of S. L Street and 1st Street, currently occupied by Valley Gas.

1970 City of Livermore Directory

The following listings for the Site were found:

- *19 South L Street*: Diamond National Corporation;
- *59 South L Street*: Groth Brothers Oldsmobile;
- *71 South L Street*: Kirby Company;
- *83 South L Street*: Hughes Drapery; and
- *1934 First Street*: Codiroli Ford.

No other listings for the Site's address ranges were found.

Listings found on the adjacent properties of potential environmental concern:

- *2008 First Street (Southeast)*: Jerry Bireley's Phillips 66

4/12/71 Aerial Photograph 1:12,000

This photograph was essentially unchanged from the previous aerial photograph.

1972 City of Livermore Directory

The following listings for the Site were found:

- *19 South L Street*: Diamond National Corporation;
- *59 South L Street*: Groth Brothers Oldsmobile;
- *71 South L Street*: Kirby Company;
- *83 South L Street*: Hughes Drapery; and
- *1934 First Street:* Codiroli Ford.

No other listings for the Site's address ranges were found.

Listings found on the adjacent properties of potential environmental concern:

- *2008 First Street (Southeast)*: Jerry Bireley's Phillips 66; and
- *1931 First Street (South)*: Firestone (current occupant).

4/30/80 Aerial Photograph 1:12,000

The east-west trending linear feature observed at the northern portion of the Site in the 1971 photograph is now gone. The northern half of the site has been cleared of all, but one structure and a large stockpile of soil is on the Site. The structure southwest of the intersection of Railroad Avenue and S. L Street remains. The entire northern portion of the Site in addition to the property to the west (currently Mills Springs Park apartments) appears to be undergoing grading operations. A structure northwest of the intersection of S. L Street and 1st Street is gone and a paved parking area with parked cars is now observed in that location. A small structure northeast of S. M Street and 1st Street is no longer observed. It has been replaced with paved parking for vehicles.

7/23/90 Aerial Photograph 1:12,000

The photograph showed the construction of Mills Spring Park Apartments since the 1980 photograph was taken. The adjacent properties appear to be in their present day configuration. The structure located southwest of the intersection of Railroad Avenue and S. L Street in the 1980 photograph is gone and the entire northern portion of the Site appears to have been graded.

11/5/02 Aerial Photograph 1:12,000

The photograph showed the Site and the adjacent properties as seen during the site reconnaissance.

Table 2
Summary of Analytical Results - Soil
Groth Bros. Chevrolet
Livermore, California

Analyte	Units	GROTH-1 @2.5'	GROTH-1 @8.5'	GROTH-2 @10.0'	GROTH-2 @30.0'	GROTH-3 @8.0'	GROTH-4 @4.0'	GROTH-4 @11.0'	GROTH-5 3.5'	GROTH-6 @1.0'	TTLC	ESL[1] Residential Land Use	ESL[2] Commercial Land Use	ESL[3] Direct Contact for Trench/Construction Worker
TPHd[4]	mg/Kg	--	<1.0	<1.0	**5.1**	**2.0**	--	**49**	**14**	**7.8**		100	5,800	23,000
TPHmo[4]	mg/Kg	--	<50	<50	<50	**56**	--	**230**	**84**	**75**		500	5,800	23,000
TPHg	mg/Kg	--	<1.0	<1.0	--	<1.0	--	--	<1.0	--		100	5,800	23,000
Benzene	mg/Kg	--	<0.0050	<0.0050	--	<0.0050	--	--	<0.0050	--		0.18	0.38	17
Ethylbenzene	mg/Kg	--	<0.0050	<0.0050	--	<0.0050	--	--	<0.0050	--		9	19	400
Toluene	mg/Kg	--	<0.0050	<0.0050	--	<0.0050	--	--	<0.0050	--		130	440	650
Xylenes	mg/Kg	--	<0.0050	<0.0050	--	<0.0050	--	--	<0.0050	--		54	180	420
Methyl-tert-butyl-ether (MTBE)	mg/Kg	--	<0.0050	<0.0050	--	<0.0050	--	--	<0.0050	--		31	70	2,800
HVOCs	ug/Kg	--	ND	ND	ND	ND	--	ND	ND	ND				
Metals														
Antimony	mg/Kg	--	--	<2.0	--	<2.0	--	--	--	--	500	6.3	40	310
Arsenic	mg/Kg	**3.5**	--	**3.6**	--	**2.5**	**5.2**	--	**4.4**	**4.2**	500	5.5	5.5	16
Barium	mg/Kg	--	--	**82**	--	**92**	--	--	--	--	10,000	750	1,500	2,500
Beryllium	mg/Kg	--	--	<0.5	--	<0.5	--	--	--	--	75	4.0	8	98
Cadmium	mg/Kg	--	--	<0.5	--	<0.5	--	--	--	--	100	1.7	7.4	38
Chromium	mg/Kg	--	--	**40**	--	**28**	--	--	--	--	2,500	750[1]	750[1]	1,200,000
Cobalt	mg/Kg	--	--	**8.1**	--	**6.2**	--	--	--	--	8,000	40	80	94
Copper	mg/Kg	--	--	**19**	--	**17**	--	--	--	--	2,500	230	230	31,000
Lead	mg/Kg	**24**	--	**4.3**	--	**3.5**	**24**	--	**14**	**72**	1,000	200	750	750
Molybdenum	mg/Kg	--	--	<1.0	--	<1.0	--	--	--	--	3,500	40	40	3,900
Nickel	mg/Kg	--	--	**93**	--	**40**	--	--	--	--	2,000	150	150	1,000
Selenium	mg/Kg	--	--	<2.0	--	<2.0	--	--	--	--	100	10	10	3,900
Silver	mg/Kg	--	--	<1.0	--	<1.0	--	--	--	--	500	20	40	3,900
Thallium	mg/Kg	--	--	<1.0	--	<1.0	--	--	--	--	700	1.0	13	51
Vanadium	mg/Kg	--	--	**18**	--	**21**	--	--	--	--	2,400	110	200	5,400
Zinc	mg/Kg	--	--	**31**	--	**29**	--	--	--	--	5,000	600	600	230,000
Mercury	mg/Kg	--	--	<0.050	--	<0.050	--	--	--	--	20	2.5	10	110

Notes:
Samples obtained October 26, 2004
< = not detected at or above the listed analytical
mg/Kg = milligrams per kilogram
-- = Not Analyzed
Detected concentrations are shown in **Bold**
TTLC = Total Threshold Limit Concentration
ND = Not Detected except for analytes listed below
ESL = Environmental Screening Levels established by the SFBRWQCB

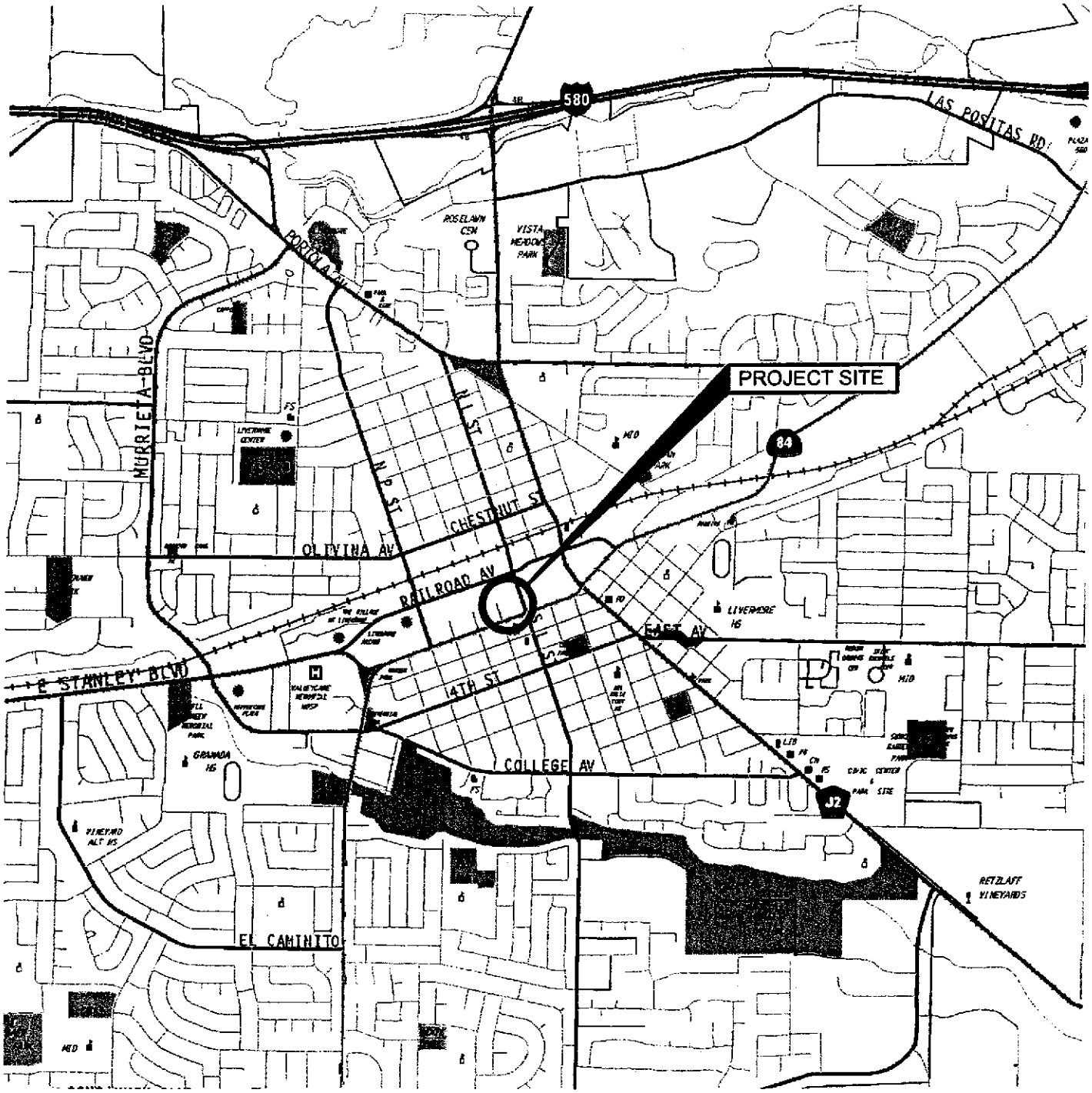
[1]Table A-1 of SFRWQCB Guidance (2003); direct exposure
[2]Table A-2 of SFRWQCB Guidance (2003); direct exposure
[3]Table K-3 of SFRWQCB Guidance (2003); direct exposure
[4] using silica gel cleanup
TPHd = Total Petroleum Hydrocarbons as diesel fuel
TPHmo = Total Petroleum Hydrocarbons as motor oil
TPHg = Total Petroleum Hydrocarbons as gasoline
HVOCs = Halogenated volatile organic compounds

Table 3
Summary of Analytical Results - Grab Groundwater
Groth Bros. Chevrolet
Livermore, California

Analyte	Sample Location	MW-1	GROTH-2	ESL Residential Land Use	ESL Commercial Land Use
Hydrocarbons	**Units**				
TPHd[1]	µg/l	<50	**29,000**	NE	NE
TPHmo[1]	µg/l	<500	<5,000	NE	NE
TPHg	µg/l	<50	**52,000**	NE	NE
Benzene	µg/l	<0.5	**1,300**	1,900	6,400
Toluene	µg/l	<0.5	**3,200**	530,000	530,000
Ethylbenzene	µg/l	<0.5	**210**	52,000	180,000
Xylenes	µg/l	<0.5	**3,000**	160,000	160,000
Methyl-tert-butyl-ether (MTBE)	µg/l	<5	**3,600**	48,000	160,000
HVOCs		ND	ND		
Tetrachloroethene (PCE)	µg/l	**56**	<0.5	520	1,700
cis-1,2-Dichloroethene (DCE)	µg/l	<20	**26**	20,000	55,000

Notes:
Samples obtained October 26, 2004
TPHd = Total Petroleum Hydrocarbons as diesel fuel
TPHmo = Total Petroleum Hydrocarbons as motor oil
TPHg = Total Petroleum Hydrocarbons as gasoline
HVOCs = Halogenated volatile organic compounds
[1] = using silca gel cleanup
< = not detected at or above the listed analytical reporting limit
Detected concentrations are **Bold**
µg/l = micrograms per liter
ND = Not Detected except for analytes listed below
ESL = Environmental Screening Levels established by the SFRWQCB
Table E1a of the SFRWQCBs Groundwater Screening Levels for Evaluation of Potential Indoor-Air Impacts
NE = Not Established

October 2004
Project No. 1121.002



SOURCE: This Site Vicinity Map is based on The Thomas Guide Digital Edition 2003, Bay Area Metro, Alameda, Contra Costa, Marin, San Francisco, San Mateo, and Santa Clara Counties.

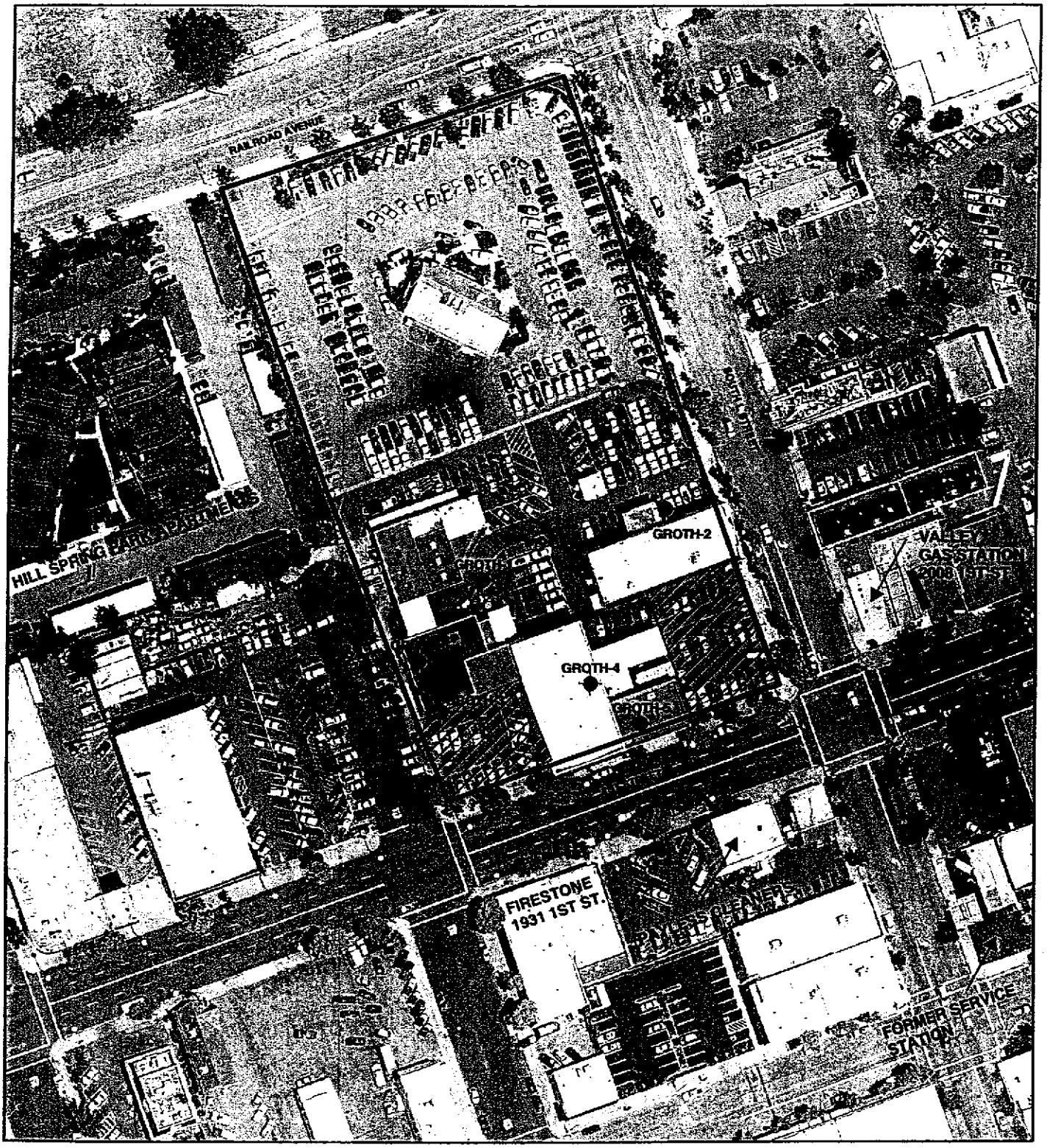
NORTH
0 2000 4000
FEET

VICINITY MAP
Groth Brothers Chevrolet
Livermore, California

PLATE 1

G:\Jobdocs\1121\1121.002\Drawings\A1121.002-001.dwg 10-29-04 03:07:44 PM mbajuniemi

FUGRO



SOURCE: Aerial photo, May 2001, provided by City of Livermore.

NORTH

0 60 120 Feet

SITE PLAN
Groth Brothers Chevrolet
Livermore, California

LEGEND

- GROTH-6 PROBE LOCATIONS
- MW-1 MONITORING WELL LOCATION
- AREA INCLUDED IN GEOPHYSICAL SURVEY
- SITE

PLATE 2

APPENDIX A
EDR CORRIDOR STUDY REPORT
(EXECUTIVE SUMMARY AND RADIUS MAP ONLY; COMPLETE EDR REPORT ON CD)

EDR Site Report™

GROTH BROS OLDSMOBILE INC
59 SOUTH L STREET
LIVERMORE, CA 94550

Inquiry Number:

November 2, 2004

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in search of over 4 million government records from more than 600 federal, state and local environmental databases. The report is divided into three sections:

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

SECTION 1: FACILITY SUMMARY

FACILITY AREA	FACILITY 1 GROTH BROS OLDSMOBILE INC 59 SOUTH L STREET LIVERMORE, CA 94550 EDR ID #1000405003 EPA #CAD981400211
WASTE MANAGEMENT Facility generates hazardous waste (RCRIS)	YES - p4
Facility treats, stores, or disposes of hazardous waste on-site (RCRIS/TSDF)	NO
Facility has received Notices of Violations (RCRIS/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	YES - p5
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	YES - p7
Facility is listed in a county/local unique database (LOCAL)	YES - p8
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	4

SECTION 2: FACILITY DETAIL REPORTS

WASTE MANAGEMENT

Facility generates hazardous waste

DATABASE: Resource Conservation and Recovery Information System (RCRIS)

GROTH BROS OLDSMOBILE INC
59 SOUTH L STREET
LIVERMORE, CA 94550
EDR ID #1000405003

Facility Name:	GROTH BROS OLDSMOBILE INC 59 SOUTH L STREET LIVERMORE, CA 94550
Mailing Address:	PO BOX 232 LIVERMORE, CA 94550
Contact:	ENVIRONMENTAL MANAGER (415) 447-5161
EPA-ID:	CAD981400211
Classification:	Small Quantity Generator
Description:	Handler: - generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or - generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time
Legal Status:	Private
Owner:	GROTH SR WILLIAM M, GROTH RICHARD G NOT REQUIRED NOT REQUIRED, ME 41555 - 5121 (415) 555-1212

WASTE MANAGEMENT

Facility has reported leaking underground storage tank incidents

DATABASE: Leaking Petroleum Storage Tank Database (LUST)

GROTH BROS OLDSMOBILE INC
59 SOUTH L STREET
LIVERMORE, CA 94550
EDR ID #1000405003

Database Address:
GROTH BROTHERS OLDSMOBILE
59 L ST S
LIVERMORE, CA 94550

State LUST:

Cross Street:	Not reported		
Qty Leaked:	Not reported		
Case Number	01-1788		
Reg Board:	2		
Chemical:	Waste Oil		
Lead Agency:	Local Agency		
Local Agency :	01000L		
Case Type:	Undefined		
Status:	Preliminary site assessment underway		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Review Date:	2000-01-18 00:00:00	Confirm Leak:	1992-03-23 00:00:00
Workplan:	Not reported	Prelim Assess:	1965-01-02 00:00:00
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	Not reported		
Release Date:	Not reported		
Cleanup Fund Id :	Not reported		
Discover Date :	Not reported		
Enforcement Dt :	1993-09-30 00:00:00		
Enf Type:	EF		
Enter Date :	1993-06-17 00:00:00		
Funding:	Federal Funds		
Staff Initials:	UNK		
How Discovered:	Tank Closure		
How Stopped:	Not reported		
Interim :	Yes		
Leak Cause:	Structure Failure		
Leak Source:	Tank		
MTBE Date :	Not reported		
Max MTBE GW :	Not reported		
MTBE Tested:	Not Required to be Tested.		
Priority:	Not reported		
Local Case # :	2935		
Beneficial:	Not reported		
Staff :	BG		
GW Qualifier :	Not reported		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	Livermore Valley (2-		
Operator :	Not reported		
Oversight Prgm:	LUST		
Review Date :	2000-01-18 00:00:00		
Stop Date :	Not reported		
Work Suspended :	No		
Responsible Party	BLANK RP		
RP Address:	Not reported		
Global Id:	T0600101656		
Org Name:	Not reported		
Contact Person:	Not reported		
MTBE Conc:	0		
Mtbe Fuel:	0		
Water System Name:	Not reported		
Well Name:	Not reported		
Distance To Lust:	0		
Waste Discharge Global ID:	Not reported		
Waste Disch Assigned Name:	Not reported		

LUST Region 2:

Region:	2
Case Number:	2935
Facility Id:	01-1788
Facility Status:	Preliminary site assessment underway

How Discovered:	TC
Leak Cause:	Structure Failure
Leak Source:	Tank
Date Leak Confirmed:	3/23/1992
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	1/2/1965
Pollution Characterization Began:	Not reported
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Remediation Action Underway:	Not reported

LUST Alameda County:

Region :	ALAMEDA
Record Id :	RO0000217
Case Closed:	Not reported

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

MULTIMEDIA

Facility is listed in EPA's index system

DATABASE: Facility Index System (FINDS)

GROTH BROS OLDSMOBILE INC
59 SOUTH L STREET
LIVERMORE, CA 94550
EDR ID #1000405003

This site is listed in the Federal FINDS database. The FINDS database may contain references to records from government databases included elsewhere in the report. Please note: the FINDS database may also contain references to out of date records formerly associated with the site.

Registery ID: 110001193510

Facility Name: GROTH BROTHERS OLDSMOBILE INCORPORATED
Facility Address: 59 SOUTH L STREET
LIVERMORE, CA 94550
Facility County: ALAMEDA
Facility EPA Region: 09
US Fed Gov Facility: No
Indian Tribal Land: Not reported

EPA Records Indicate Facility Is Listed In:
National Emissions Inventory
Resource Conservation and Recovery Act Information system

Facility SIC Codes:
7532

Facility NAICS Codes:
44111
99999

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

MULTIMEDIA

Facility is listed in a county/local unique database

DATABASE: State/County (LOCAL)

GROTH BROS OLDSMOBILE INC
59 SOUTH L STREET
LIVERMORE, CA 94550
EDR ID #1000405003

Database: CA HIST UST

UST HIST:

Facility ID:	21783	Owner Name:	GROTH BROS. OLDSMOBILE, INC.
Total Tanks:	7	Region:	STATE
Owner Address:	59 SO. "L" ST., P.O. BOX 232 LIVERMORE, CA 94550		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	TANK #1
Tank Capacity:	00000550	Year Installed:	1935
Type of Fuel:	UNLEADED	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	WILLIAM M. GROTH, SR.	Telephone:	(415) 447-3190
Facility Type:	Other	Other Type:	AUTO DEALERSHIP
Facility ID:	21783	Owner Name:	GROTH BROS. OLDSMOBILE, INC.
Total Tanks:	7	Region:	STATE
Owner Address:	59 SO. "L" ST., P.O. BOX 232 LIVERMORE, CA 94550		
Tank Used for:	PRODUCT		
Tank Num:	2	Container Num:	TANK #2
Tank Capacity:	00001500	Year Installed:	Not reported
Type of Fuel:	DIESEL	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	WILLIAM M. GROTH, SR.	Telephone:	(415) 447-3190
Facility Type:	Other	Other Type:	AUTO DEALERSHIP
Facility ID:	21783	Owner Name:	GROTH BROS. OLDSMOBILE, INC.
Total Tanks:	7	Region:	STATE
Owner Address:	59 SO. "L" ST., P.O. BOX 232 LIVERMORE, CA 94550		
Tank Used for:	PRODUCT		
Tank Num:	3	Container Num:	TANK #3
Tank Capacity:	00001500	Year Installed:	Not reported
Type of Fuel:	UNLEADED	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	WILLIAM M. GROTH, SR.	Telephone:	(415) 447-3190
Facility Type:	Other	Other Type:	AUTO DEALERSHIP
Facility ID:	21783	Owner Name:	GROTH BROS. OLDSMOBILE, INC.
Total Tanks:	7	Region:	STATE
Owner Address:	59 SO. "L" ST., P.O. BOX 232 LIVERMORE, CA 94550		
Tank Used for:	WASTE		
Tank Num:	4	Container Num:	TANK #4
Tank Capacity:	00000550	Year Installed:	Not reported
Type of Fuel:	WASTE OIL	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	WILLIAM M. GROTH, SR.	Telephone:	(415) 447-3190
Facility Type:	Other	Other Type:	AUTO DEALERSHIP
Facility ID:	21783	Owner Name:	GROTH BROS. OLDSMOBILE, INC.
Total Tanks:	7	Region:	STATE
Owner Address:	59 SO. "L" ST., P.O. BOX 232 LIVERMORE, CA 94550		
Tank Used for:	WASTE		
Tank Num:	5	Container Num:	TANK #5
Tank Capacity:	00000250	Year Installed:	Not reported
Type of Fuel:	Not reported	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	WILLIAM M. GROTH, SR.	Telephone:	(415) 447-3190
Facility Type:	Other	Other Type:	AUTO DEALERSHIP
Facility ID:	21783	Owner Name:	GROTH BROS. OLDSMOBILE, INC.
Total Tanks:	7	Region:	STATE
Owner Address:	59 SO. "L" ST., P.O. BOX 232 LIVERMORE, CA 94550		
Tank Used for:	PRODUCT		
Tank Num:	6	Container Num:	TANK #6
Tank Capacity:	00000280	Year Installed:	Not reported

Type of Fuel: Not reported
Leak Detection: None
Contact Name: WILLIAM M. GROTH, SR.
Facility Type: Other

Facility ID: 21783
Total Tanks: 7
Owner Address: 59 SO. "L" ST., P.O. BOX 232
LIVERMORE, CA 94550
Tank Used for: PRODUCT
Tank Num: 7
Tank Capacity: 00000280
Type of Fuel: Not reported
Leak Detection: None
Contact Name: WILLIAM M. GROTH, SR.
Facility Type: Other

Database: CA HAZNET

HAZNET:
Gepaid: CAD981400211
TSD EPA ID: CAD009452657
Gen County: 1
Tsd County: San Mateo
Tons: .1668
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Not reported
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAD009452657
Gen County: 1
Tsd County: San Mateo
Tons: .0000
Waste Category:
Disposal Method: Not reported
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAD009452657
Gen County: 1
Tsd County: San Mateo
Tons: 3.6696
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAD009452657
Gen County: 1
Tsd County: San Mateo
Tons: .0000
Waste Category:
Disposal Method: Recycler
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAD009452657
Gen County: 1
Tsd County: San Mateo
Tons: 1.6886
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAD009452657
Gen County: 1

Tank Construction: Not Reported

Telephone: (415) 447-3190
Other Type: AUTO DEALERSHIP

Owner Name: GROTH BROS. OLDSMOBILE, INC.
Region: STATE

Container Num: TANK#7
Year Installed: Not reported
Tank Construction: Not Reported

Telephone: (415) 447-3190
Other Type: AUTO DEALERSHIP

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Tsd County: San Mateo
Tons: .1251
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Not reported
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAT080013352
Gen County: 1
Tsd County: Los Angeles
Tons: .4587
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAD009452657
Gen County: 1
Tsd County: San Mateo
Tons: 1.6592
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAT080013352
Gen County: 1
Tsd County: Los Angeles
Tons: 4.0032
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAT080013352
Gen County: 1
Tsd County: Los Angeles
Tons: .9382
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CA0000084517
Gen County: 1
Tsd County: Sacramento
Tons: 0.0833
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Not reported
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CA0000084517
Gen County: 1
Tsd County: Sacramento
Tons: 0.2582
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Treatment, Tank
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAD008252405
Gen County: 1
Tsd County: Los Angeles
Tons: 0.1167
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAD009452657
Gen County: 1
Tsd County: San Mateo
Tons: 1.0002
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAD044003556
Gen County: 1
Tsd County: Yolo
Tons: 1.0842
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Transfer Station
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAL000161743
Gen County: 1
Tsd County: Santa Clara
Tons: 0.4795
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Not reported
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAL000161743
Gen County: 1
Tsd County: Santa Clara
Tons: 1.8348
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Transfer Station
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAL000161743
Gen County: 1
Tsd County: Santa Clara
Tons: 1.1467
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAL000161743
Gen County: 1
Tsd County: Santa Clara
Tons: 0.5838
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Recycler
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232

LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAT080013352
Gen County: 1
Tsd County: Los Angeles
Tons: 0.4587
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Not reported
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAT080013352
Gen County: 1
Tsd County: Los Angeles
Tons: 0.2293
Waste Category: Unspecified aqueous solution
Disposal Method: Not reported
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAT080013352
Gen County: 1
Tsd County: Los Angeles
Tons: 0.2293
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAT080013352
Gen County: 1
Tsd County: Los Angeles
Tons: 0.2085
Waste Category: Unspecified oil-containing waste
Disposal Method: Not reported
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAT080013352
Gen County: 1
Tsd County: Los Angeles
Tons: 0.2085
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAT080014079
Gen County: 1
Tsd County: 7
Tons: 0.1876
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
Disposal Method: Transfer Station
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAT080033681
Gen County: 1
Tsd County: Los Angeles
Tons: 0.4587
Waste Category: Unspecified oil-containing waste
Disposal Method: Disposal, Land Fill

Contact:	GROTH BROS OLDSMOBILE INC
Telephone:	(510) 447-3190
Mailing Address:	PO BOX 232 LIVERMORE, CA 94551 - 0232
County	1
Gepaid:	CAD981400211
TSD EPA ID:	Not reported
Gen County:	Alameda
Tsd County:	Sacramento
Tons:	0.19
Waste Category:	Aqueous solution with less than 10% total organic residues
Disposal Method:	Not reported
Contact:	MIKE FRANKLIN/SERVICE MGR
Telephone:	(925) 447-5161
Mailing Address:	PO BOX 232 LIVERMORE, CA 94551 - 0232
County	Not reported
Gepaid:	CAD981400211
TSD EPA ID:	Not reported
Gen County:	Alameda
Tsd County:	Sacramento
Tons:	0.75
Waste Category:	Aqueous solution with less than 10% total organic residues
Disposal Method:	Transfer Station
Contact:	MIKE FRANKLIN/SERVICE MGR
Telephone:	(925) 447-5161
Mailing Address:	PO BOX 232 LIVERMORE, CA 94551 - 0232
County	Not reported
Gepaid:	CAD981400211
TSD EPA ID:	CAT080013352
Gen County:	1
Tsd County:	Los Angeles
Tons:	.8757
Waste Category:	Aqueous solution with 10% or more total organic residues
Disposal Method:	Not reported
Contact:	GROTH BROS OLDSMOBILE INC
Telephone:	(510) 447-3190
Mailing Address:	PO BOX 232 LIVERMORE, CA 94551 - 0232
County	1
Gepaid:	CAD981400211
TSD EPA ID:	CAT080013352
Gen County:	1
Tsd County:	Los Angeles
Tons:	3.6279
Waste Category:	Aqueous solution with 10% or more total organic residues
Disposal Method:	Recycler
Contact:	GROTH BROS OLDSMOBILE INC
Telephone:	(510) 447-3190
Mailing Address:	PO BOX 232 LIVERMORE, CA 94551 - 0232
County	1
Gepaid:	CAD981400211
TSD EPA ID:	CAT080013352
Gen County:	1
Tsd County:	Los Angeles
Tons:	.9591
Waste Category:	Aqueous solution with less than 10% total organic residues
Disposal Method:	Transfer Station
Contact:	GROTH BROS OLDSMOBILE INC
Telephone:	(510) 447-3190
Mailing Address:	PO BOX 232 LIVERMORE, CA 94551 - 0232
County	1
Gepaid:	CAD981400211
TSD EPA ID:	CAL000161743
Gen County:	1
Tsd County:	Santa Clara
Tons:	.3753
Waste Category:	Aqueous solution with 10% or more total organic residues
Disposal Method:	Transfer Station
Contact:	GROTH BROS OLDSMOBILE INC
Telephone:	(510) 447-3190
Mailing Address:	PO BOX 232 LIVERMORE, CA 94551 - 0232
County	1
Gepaid:	CAD981400211
TSD EPA ID:	CAT080013352
Gen County:	1
Tsd County:	Los Angeles

Tons: .1251
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAD009452657
Gen County: 1
Tsd County: San Mateo
Tons: .9503
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAD008252405
Gen County: 1
Tsd County: Los Angeles
Tons: .2501
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Not reported
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAD009452657
Gen County: 1
Tsd County: San Mateo
Tons: 1.7093
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAD009452657
Gen County: 1
Tsd County: San Mateo
Tons: .1459
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Not reported
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAD009452657
Gen County: 1
Tsd County: San Mateo
Tons: 1.2510
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAD009452657
Gen County: 1
Tsd County: San Mateo
Tons: 1.5426
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211

SECTION 2: FACILITY DETAIL REPORTS

...Continued...

TSD EPA ID: CAT080013352
Gen County: 1
Tsd County: Los Angeles
Tons: 3.7530
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAT080013352
Gen County: 1
Tsd County: Los Angeles
Tons: .4587
Waste Category: Aqueous solution with metals (restricted levels and Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc))
Disposal Method: Recycler
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAD009452657
Gen County: 1
Tsd County: San Mateo
Tons: 1.4172
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAT080013352
Gen County: 1
Tsd County: Los Angeles
Tons: .0000
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Not reported
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAT080013352
Gen County: 1
Tsd County: Los Angeles
Tons: 3.6904
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAT080013352
Gen County: 1
Tsd County: Los Angeles
Tons: .4170
Waste Category:
Disposal Method: Not reported
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAT080013352
Gen County: 1
Tsd County: Los Angeles
Tons: 1.3344
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Not reported
Contact: GROTH BROS OLDSMOBILE INC

Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: Not reported
Gen County: Alameda
Tsd County: Sacramento
Tons: Not reported
Waste Category:
Disposal Method: Not reported
Contact: MIKE FRANKLIN/SERVICE MGR
Telephone: (925) 447-5161
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County Not reported

Gepaid: CAD981400211
TSD EPA ID: Not reported
Gen County: Alameda
Tsd County: Sacramento
Tons: 0.01
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Not reported
Contact: MIKE FRANKLIN/SERVICE MGR
Telephone: (925) 447-5161
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County Not reported

Gepaid: CAD981400211
TSD EPA ID: Not reported
Gen County: Alameda
Tsd County: Sacramento
Tons: 0.69
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: MIKE FRANKLIN/SERVICE MGR
Telephone: (925) 447-5161
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County Not reported

Gepaid: CAD981400211
TSD EPA ID: CAL000161743
Gen County: 1
Tsd County: Santa Clara
Tons: .1459
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAL000161743
Gen County: 1
Tsd County: Santa Clara
Tons: 2.2935
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CAL000161743
Gen County: 1
Tsd County: Santa Clara
Tons: 2.5853
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Recycler
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CA0000084517
Gen County: 1
Tsd County: Sacramento
Tons: .1042

Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Not reported
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CA0000084517
Gen County: 1
Tsd County: Sacramento
Tons: .1668
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Gepaid: CAD981400211
TSD EPA ID: CA0000084517
Gen County: 1
Tsd County: Sacramento
Tons: .4669
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Treatment, Tank
Contact: GROTH BROS OLDSMOBILE INC
Telephone: (510) 447-3190
Mailing Address: PO BOX 232
LIVERMORE, CA 94551 - 0232
County 1

Database: CA CORTESE

CORTESE:
Region: CORTESE
Fac Address 2: 59 L ST S

Database: CA FID UST

FID:

Facility ID:	01000852	Regulate ID:	00021783
Reg By:	Inactive Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Inactive	Facility Tel:	Not reported
Mail To:	Not reported P O BOX LIVERMORE, CA 94550		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

Database: CA EMI

EMISSIONS :

Facility ID :	3723
Air District Code :	BA
SIC Code :	7532
Total Priority Score :	Not reported
Health Risk Assessment :	Not reported
Non-cancer Chronic Haz Index :	Not reported
Non-cancer Acute Haz Index :	Not reported
Air Basin :	SF
Air District Name :	BAY AREA AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
County Code :	1
County ID :	1

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

WASTE MANAGEMENT

RCRIS: Resource Conservation and Recovery Information System
Source: EPA
Telephone: 800-424-9346
Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 08/10/2004
Database Release Frequency: Varies
Date of Last EDR Contact: 08/24/2004
Date of Next Scheduled Update: 11/25/2004

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/2001
Database Release Frequency: Biennially
Date of Last EDR Contact: 09/20/2004
Date of Next Scheduled Update: 12/13/2004

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 09/07/2004
Date of Next Scheduled Update: 12/06/2004

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/15/2004
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 09/07/2004
Date of Next Scheduled Update: 12/06/2004

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-564-3887
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/29/2004
Database Release Frequency: Annually
Date of Last EDR Contact: 08/10/2004
Date of Next Scheduled Update: 11/08/2004

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/15/2004
Database Release Frequency: Quarterly
Date of Last EDR Contact: 07/06/2004
Date of Next Scheduled Update: 10/04/2004

CA AST: Aboveground Petroleum Storage Tank Facilities
Source: State Water Resources Control Board
Telephone: 916-341-5712
Registered Aboveground Storage Tanks.

Date of Government Version: 12/01/2003
Database Release Frequency: Quarterly
Date of Last EDR Contact: 08/02/2004
Date of Next Scheduled Update: 11/01/2004

CA UST: Active UST Facilities
Source: SWRCB
Telephone: 916-341-5752
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 07/12/2004
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 07/12/2004
Date of Next Scheduled Update: 10/11/2004

CA LUST: Leaking Underground Storage Tank Information System
Source: State Water Resources Control Board
Telephone: 916-341-5752
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 07/12/2004
Database Release Frequency: Quarterly
Date of Last EDR Contact: 07/12/2004
Date of Next Scheduled Update: 10/11/2004

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2003
Database Release Frequency: Annually
Date of Last EDR Contact: 07/26/2004
Date of Next Scheduled Update: 10/25/2004

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 02/17/2004
Database Release Frequency: Annually
Date of Last EDR Contact: 04/20/2004
Date of Next Scheduled Update: 07/19/2004

WASTE DISPOSAL

NPL: National Priority List
Source: EPA
Telephone: Not reported
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/30/2004
Date Made Active at EDR: 09/09/2004
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 08/03/2004
Elapsed ASTM Days: 37
Date of Last EDR Contact: 08/03/2004

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

PROPOSED NPL: Proposed National Priority List Sites
Source: EPA
Telephone: Not reported

Date of Government Version: 07/22/2004
Date Made Active at EDR: 09/09/2004
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/03/2004
Elapsed ASTM Days: 37
Date of Last EDR Contact: 08/03/2004

DELISTED NPL: National Priority List Deletions
Source: EPA
Telephone: Not reported
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/30/2004
Date Made Active at EDR: 09/09/2004
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 08/03/2004
Elapsed ASTM Days: 37
Date of Last EDR Contact: 08/03/2004

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-413-0223
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 08/10/2004
Date Made Active at EDR: 10/27/2004
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/21/2004
Elapsed ASTM Days: 36
Date of Last EDR Contact: 09/21/2004

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Source: EPA
Telephone: 703-413-0223
As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 08/10/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/21/2004
Date of Next Scheduled Update: 12/20/2004

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 202-564-4267
Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Made Active at EDR: 03/30/1994
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 02/02/1994
Elapsed ASTM Days: 56
Date of Last EDR Contact: 08/23/2004

CA SWF/LF: Solid Waste Information System
Source: Integrated Waste Management Board
Telephone: 916-341-6320
Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 09/13/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/14/2004
Date of Next Scheduled Update: 12/13/2004

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

MULTIMEDIA

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-566-0250
Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2002
Database Release Frequency: Annually

Date of Last EDR Contact: 09/20/2004
Date of Next Scheduled Update: 12/20/2004

SSTS: Section 7 Tracking Systems
Source: EPA
Telephone: 202-564-5008
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2001
Database Release Frequency: Annually

Date of Last EDR Contact: 07/20/2004
Date of Next Scheduled Update: 10/18/2004

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-5521
Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002
Database Release Frequency: N/A

Date of Last EDR Contact: 09/07/2004
Date of Next Scheduled Update: 12/06/2004

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-564-2501
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/13/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/07/2004
Date of Next Scheduled Update: 12/20/2004

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA
Telephone: 202-564-2501

Date of Government Version: 04/13/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/07/2004
Date of Next Scheduled Update: 12/20/2004

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report
Source: EPA
Telephone: Not reported
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 09/09/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/08/2004
Date of Next Scheduled Update: 01/03/2005

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

CA AWP: Annual Workplan Sites
Source: California Environmental Protection Agency
Telephone: 916-323-3400
Known Hazardous Waste Sites. California DTSC's Annual Workplan (AWP), formerly BEP, identifies known hazardous substance sites targeted for cleanup.

Date of Government Version: 06/01/2004
Database Release Frequency: Annually

Date of Last EDR Contact: 09/16/2004
Date of Next Scheduled Update: 11/29/2004

CA INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
Source: Environmental Protection Agency
Telephone: 415-972-3372
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 06/18/2004
Database Release Frequency: Varies

Date of Last EDR Contact: 08/23/2004
Date of Next Scheduled Update: 11/22/2004

CA REF: Unconfirmed Properties Referred to Another Agency
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties where contamination has not been confirmed and which were determined as not requiring direct DTSC Site Mitigation Program action or oversight. Accordingly, these sites have been referred to another state or local regulatory agency.

Date of Government Version: 06/01/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/16/2004
Date of Next Scheduled Update: 11/29/2004

CA NFA: No Further Action Determination
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties at which DTSC has made a clear determination that the property does not pose a problem to the environment or to public health.

Date of Government Version: 06/01/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/16/2004
Date of Next Scheduled Update: 11/29/2004

CA NFE: Properties Needing Further Evaluation
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties that are suspected of being contaminated. These are unconfirmed contaminated properties that need to be assessed using the PEA process. PEA in Progress indicates properties where DTSC is currently conducting a PEA. PEA Required indicates properties where DTSC has determined a PEA is required, but not currently underway.

Date of Government Version: 06/01/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/16/2004
Date of Next Scheduled Update: 11/29/2004

CA SCH: School Property Evaluation Program
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 06/01/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/16/2004
Date of Next Scheduled Update: 11/29/2004

CA INDIAN UST: Underground Storage Tanks on Indian Land
Source: EPA Region 9
Telephone: 415-972-3368

Date of Government Version: 06/18/2004
Database Release Frequency: Varies

Date of Last EDR Contact: 08/23/2004
Date of Next Scheduled Update: 11/22/2004

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

CA BEP: Bond Expenditure Plan
Source: Department of Health Services
Telephone: 916-255-2118
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 05/31/1994
Date of Next Scheduled Update:

CA BWT: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 05/04/2004
Database Release Frequency: Quarterly
Date of Last EDR Contact: 09/14/2004
Date of Next Scheduled Update: 12/13/2004

CA CALSITE: Calsites Database
Source: Department of Toxic Substance Control
Telephone: 916-323-3400
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database.

Date of Government Version: 06/01/2004
Database Release Frequency: Quarterly
Date of Last EDR Contact: 09/16/2004
Date of Next Scheduled Update: 11/29/2004

CA CHMIRS: California Hazardous Material Incident Report System
Source: Office of Emergency Services
Telephone: 916-845-8400
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2003
Database Release Frequency: Varies
Date of Last EDR Contact: 08/23/2004
Date of Next Scheduled Update: 11/22/2004

CA CONTRA COSTA SL: Site List
Source: Contra Costa Health Services Department
Telephone: 925-646-2286
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 08/30/2004
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 08/30/2004
Date of Next Scheduled Update: 11/29/2004

CA CORTESE: "Cortese" Hazardous Waste & Substances Sites List
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-9100
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 07/29/2004
Date of Next Scheduled Update: 10/25/2004

CA FID: Facility Inventory Database
Source: California Environmental Protection Agency
Telephone: 916-445-6532
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 12/28/1998
Date of Next Scheduled Update:

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

CA HMMD: Hazardous Materials Management Division Database
Source: Hazardous Materials Management Division
Telephone: 619-338-2268
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 06/29/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/07/2004
Date of Next Scheduled Update: 10/04/2004

CA DEED: List of Deed Restrictions
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes.

Date of Government Version: 10/04/2004
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/04/2004
Date of Next Scheduled Update: 01/03/2005

CA HAZNET: Facility and Manifest Data
Source: California Environmental Protection Agency
Telephone: 916-255-1136
Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2002
Database Release Frequency: Annually

Date of Last EDR Contact: 08/09/2004
Date of Next Scheduled Update: 11/08/2004

CA INDUSTRIAL: List of Industrial Site Cleanups
Source: Health Care Agency
Telephone: 714-834-3446
Petroleum and non-petroleum spills.

Date of Government Version: 09/01/2004
Database Release Frequency: Annually

Date of Last EDR Contact: 09/09/2004
Date of Next Scheduled Update: 12/06/2004

CA NOTIFY: Proposition 65 Records
Source: State Water Resources Control Board
Telephone: 916-445-3846
Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/1993
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/20/2004
Date of Next Scheduled Update: 10/20/2004

CA SAN JOSE HAZMAT: Hazardous Material Facilities
Source: City of San Jose Fire Department
Telephone: 408-277-4659

Date of Government Version: 10/01/2003
Database Release Frequency: Annually

Date of Last EDR Contact: 09/07/2004
Date of Next Scheduled Update: 12/06/2004

CA SAN MATEO BI: Business Inventory
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 08/19/2004
Database Release Frequency: Annually

Date of Last EDR Contact: 07/12/2004
Date of Next Scheduled Update: 10/11/2004

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

CA SITE MIT: Site Mitigation List
Source: Community Health Services
Telephone: 323-890-7806
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 02/26/2004
Database Release Frequency: Annually

Date of Last EDR Contact: 08/16/2004
Date of Next Scheduled Update: 11/15/2004

CA SOUTH BAY: South Bay Site Management System
Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Groundwater pollution cases in the Santa Clara Valley where the regulatory lead is the San Francisco Bay Regional Water Quality Control Board.

Date of Government Version: 05/21/1999
Database Release Frequency: Annually

Date of Last EDR Contact: 01/31/2000
Date of Next Scheduled Update:

CA TOXIC: Toxic Pits Cleanup Act Sites
Source: State Water Resources Control Board
Telephone: 916-227-4364
Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/02/2004
Date of Next Scheduled Update: 11/01/2004

CA VENTURA CIAIS: Inventory of Illegal Abandoned and Inactive Sites
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 08/01/2004
Database Release Frequency: Annually

Date of Last EDR Contact: 08/25/2004
Date of Next Scheduled Update: 11/22/2004

CA WDS: Waste Discharge System
Source: State Water Resources Control Board
Telephone: 916-341-5227
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/18/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/21/2004
Date of Next Scheduled Update: 12/20/2004

CA WMUDS/SWAT: Waste Management Unit Database
Source: State Water Resources Control Board
Telephone: 916-227-4448
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/08/2004
Date of Next Scheduled Update: 12/06/2004

CA ALAMEDA UST: Underground Tanks
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 08/17/2004
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/26/2004
Date of Next Scheduled Update: 10/25/2004

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

CA ALAMEDA LUST: Local Oversight Program Listing of UGT Cleanup Sites
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 08/17/2004
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/26/2004
Date of Next Scheduled Update: 10/25/2004

CA ORANGE LUST: List of Underground Storage Tank Cleanups
Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 06/01/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/09/2004
Date of Next Scheduled Update: 12/06/2004

CA RIVERSIDE LUST: Listing of Underground Tank Cleanup Sites
Source: Department of Public Health
Telephone: 909-358-5055
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 06/21/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/19/2004
Date of Next Scheduled Update: 10/18/2004

CA VENTURA LUST: Listing of Underground Tank Cleanup Sites
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/04/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/14/2004
Date of Next Scheduled Update: 12/13/2004

CA SANTA CLARA LUST: Fuel Leak Site Activity Report
Source: Santa Clara Valley Water District
Telephone: 408-265-2600

Date of Government Version: 06/30/2004
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/27/2004
Date of Next Scheduled Update: 12/27/2004

CA SAN MATEO LUST: Fuel Leak List
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921

Date of Government Version: 08/03/2004
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/09/2004
Date of Next Scheduled Update: 10/11/2004

CA SAN FRANCISCO LUST: Local Oversite Facilities
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920

Date of Government Version: 09/15/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/20/2004
Date of Next Scheduled Update: 12/06/2004

CA SOLANO LUST: Leaking Underground Storage Tanks
Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 09/20/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/13/2004
Date of Next Scheduled Update: 12/13/2004

CA SONOMA LUST: Leaking Underground Storage Tank Sites
Source: Department of Health Services
Telephone: 707-565-6565

Date of Government Version: 07/26/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/26/2004
Date of Next Scheduled Update: 10/25/2004

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

CA LUST REG 1: Active Toxic Site Investigation
Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-576-2220
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/23/2004
Date of Next Scheduled Update: 11/22/2004

CA LUST REG 2: Fuel Leak List
Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457

Date of Government Version: 03/31/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/16/2004
Date of Next Scheduled Update: 10/11/2004

CA LUST REG 3: Leaking Underground Storage Tank Database
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147

Date of Government Version: 05/19/2003
Database Release Frequency: Varies

Date of Last EDR Contact: 08/17/2004
Date of Next Scheduled Update: 11/15/2004

CA LUST REG 4: Underground Storage Tank Leak List
Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/16/2004
Date of Next Scheduled Update: 12/27/2004

CA LUST REG 5: Leaking Underground Storage Tank Database
Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291

Date of Government Version: 07/01/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/19/2004
Date of Next Scheduled Update: 10/04/2004

CA LUST REG 6L: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 916-542-5424
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 09/08/2004
Date of Next Scheduled Update: 12/06/2004

CA LUST REG 6V: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-346-7491

Date of Government Version: 08/09/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/04/2004
Date of Next Scheduled Update: 01/03/2005

CA LUST REG 7: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-346-7491

Date of Government Version: 02/26/2004
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/27/2004
Date of Next Scheduled Update: 12/27/2004

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

CA LUST REG 8: Leaking Underground Storage Tanks
Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4498
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 07/01/2004
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 08/09/2004
Date of Next Scheduled Update: 11/08/2004

CA LUST REG 9: Leaking Underground Storage Tank Report
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 06/29/2004
Date of Next Scheduled Update: 10/18/2004

CA SLIC ST: Statewide SLIC Cases
Source: State Water Resources Control Board
Telephone: 916-341-5752
The Spills, Leaks, Investigations, and Cleanups (SLIC) listings includes unauthorized discharges from spills and leaks, other than from underground storage tanks or other regulated sites.

Date of Government Version: 08/03/2004
Database Release Frequency: Varies
Date of Last EDR Contact: 08/03/2004
Date of Next Scheduled Update: 10/11/2004

CA SLIC REG 1: Active Toxic Site Investigations
Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220

Date of Government Version: 04/03/2003
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 08/23/2004
Date of Next Scheduled Update: 11/22/2004

CA SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 07/12/2004
Database Release Frequency: Quarterly
Date of Last EDR Contact: 07/12/2004
Date of Next Scheduled Update: 10/11/2004

CA SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 08/20/2004
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 08/16/2004
Date of Next Scheduled Update: 11/15/2004

CA SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 07/08/2004
Database Release Frequency: Quarterly
Date of Last EDR Contact: 07/26/2004
Date of Next Scheduled Update: 10/25/2004

CA SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Unregulated sites that impact groundwater or have the potential to impact groundwater.

Date of Government Version: 04/01/2004
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 07/06/2004
Date of Next Scheduled Update: 10/04/2004

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

CA SLIC REG 6L: SLIC Sites
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574

Date of Government Version: 09/07/2004
Database Release Frequency: Varies

Date of Last EDR Contact: 09/07/2004
Date of Next Scheduled Update: 12/06/2004

CA SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583

Date of Government Version: 04/01/2004
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/06/2004
Date of Next Scheduled Update: 10/04/2004

CA SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-3298

Date of Government Version: 07/01/2004
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/09/2004
Date of Next Scheduled Update: 10/04/2004

CA SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980

Date of Government Version: 09/10/2004
Database Release Frequency: Annually

Date of Last EDR Contact: 08/30/2004
Date of Next Scheduled Update: 11/29/2004

CA SAN DIEGO SWF/LF: Solid Waste Facilities
Source: Department of Health Services
Telephone: 619-338-2209
San Diego County Solid Waste Facilities.

Date of Government Version: 08/01/2000
Database Release Frequency: Varies

Date of Last EDR Contact: 08/23/2004
Date of Next Scheduled Update: 11/22/2004

CA LOS ANGELES SWF/LF: List of Solid Waste Facilities
Source: La County Department of Public Works
Telephone: 818-458-5185

Date of Government Version: 06/03/2003
Database Release Frequency: Varies

Date of Last EDR Contact: 08/19/2004
Date of Next Scheduled Update: 11/15/2004

CA DEHS PERMIT: Hazardous Material Permits
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 09/17/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/07/2004
Date of Next Scheduled Update: 12/06/2004

CA KERN UST: Underground Storage Tank Sites & Tank Listing
Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Kern County Sites and Tanks Listing.

Date of Government Version: 09/14/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/07/2004
Date of Next Scheduled Update: 12/06/2004

CA SUTTER UST: Underground Storage Tanks
Source: Sutter County Department of Agriculture
Telephone: 530-822-7500

Date of Government Version: 01/29/2004
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/06/2004
Date of Next Scheduled Update: 10/04/2004

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

CA HMS: HMS: Street Number List
Source: Department of Public Works
Telephone: 626-458-3517
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 04/29/2004
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/16/2004
Date of Next Scheduled Update: 11/15/2004

CA VCP: Voluntary Cleanup Program Properties
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 06/01/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/16/2004
Date of Next Scheduled Update: 11/29/2004

CA ORANGE UST: List of Underground Storage Tank Facilities
Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 09/01/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/09/2004
Date of Next Scheduled Update: 12/06/2004

CA SAN FRANCISCO UST: Underground Storage Tank Information
Source: Department of Public Health
Telephone: 415-252-3920

Date of Government Version: 09/15/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/20/2004
Date of Next Scheduled Update: 12/26/2004

CA SOLANO UST: Underground Storage Tanks
Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 09/20/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/13/2004
Date of Next Scheduled Update: 12/13/2004

CA VENTURA UST: Underground Tank Closed Sites List
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/04/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/13/2004
Date of Next Scheduled Update: 10/11/2004

CA RIVERSIDE UST: Underground Storage Tank Tank List
Source: Health Services Agency
Telephone: 909-358-5055

Date of Government Version: 06/21/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/19/2004
Date of Next Scheduled Update: 10/18/2004

CA MARIN UST: Underground Storage Tank Sites
Source: Public Works Department Waste Management
Telephone: 415-499-6647
Currently permitted USTs in Marin County.

Date of Government Version: 08/18/2004
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/02/2004
Date of Next Scheduled Update: 11/01/2004

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

CA NAPA LUST: Sites With Reported Contamination
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 09/29/2004
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/27/2004
Date of Next Scheduled Update: 12/27/2004

CA NAPA UST: Closed and Operating Underground Storage Tank Sites
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 09/29/2004
Database Release Frequency: Annually

Date of Last EDR Contact: 09/27/2004
Date of Next Scheduled Update: 12/27/2004

CA PLACER MS: Master List of Facilities
Source: Placer County Health and Human Services
Telephone: 530-889-7312
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 10/04/2004
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/20/2004
Date of Next Scheduled Update: 12/20/2004

CA SACRAMENTO LUST: CS - Contaminated Sites
Source: Sacramento County Environmental Management
Telephone: 916-875-8406

Date of Government Version: 04/16/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/02/2004
Date of Next Scheduled Update: 11/02/2004

CA SACRAMENTO ML: ML - Regulatory Compliance Master List
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 09/02/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/02/2004
Date of Next Scheduled Update: 11/01/2004

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. (C) Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

POTENTIAL SUPERFUND LIABILITY

PRP: Potentially Responsible Parties
Source: EPA
Telephone: 202-564-6064
A listing of verified Potentially Responsible Parties

Date of Government Version: 06/07/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/04/2004
Date of Next Scheduled Update: 01/03/2005

EDR™ Environmental
Data Resources Inc

The EDR Radius Map
with GeoCheck®

318 S. Livermore Avenue
318 S. Livermore Avenue
Livermore, CA 94550

Inquiry Number: 1287711.2s

October 14, 2004

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

FORM-SHA

TABLE OF CONTENTS

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

318 S. LIVERMORE AVENUE
LIVERMORE, CA 94550

COORDINATES

Latitude (North):	37.680700 - 37° 40' 50.5"
Longitude (West):	121.766300 - 121° 45' 58.7"
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	608788.4
UTM Y (Meters):	4170900.0
Elevation:	499 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	37121-F7 LIVERMORE, CA
Source:	USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
EQUILON ENTERPRISES LLC 318 S LIVERMORE LIVERMORE, CA 94550	HAZNET	N/A
SHELL 318 LIVERMORE AVE S LIVERMORE, CA 94550	LUST	N/A
FRANK WYOO 318 S LIVERMORE AVE LIVERMORE, CA 94550	HAZNET LUST HIST UST	N/A
SHELL 318 LIVERMORE AVE S LIVERMORE, CA 94550	LUST	N/A
SHELL OIL CO 318 S. LIVERMORE LIVERMORE, CA 94550	RCRIS-SQG FINDS	CAD981403058
318 SOUTH LIVERMORE AVENUE 318 SOUTH LIVERMORE AVENUE LIVERMORE, CA 94550	CHMIRS	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
CORRACTS	Corrective Action Report
RCRIS-TSD	Resource Conservation and Recovery Information System
RCRIS-LQG	Resource Conservation and Recovery Information System
ERNS	Emergency Response Notification System

STATE ASTM STANDARD

AWP	Annual Workplan Sites
Cal-Sites	Calsites Database
Toxic Pits	Toxic Pits Cleanup Act Sites
SWF/LF	Solid Waste Information System
WMUDS/SWAT	Waste Management Unit Database
CA BOND EXP. PLAN	Bond Expenditure Plan
VCP	Voluntary Cleanup Program Properties
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
INDIAN UST	Underground Storage Tanks on Indian Land

FEDERAL ASTM SUPPLEMENTAL

CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
Delisted NPL	National Priority List Deletions
HMIRS	Hazardous Materials Information Reporting System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
NPL Liens	Federal Superfund Liens
PADS	PCB Activity Database System
ODI	Open Dump Inventory
DOD	Department of Defense Sites
INDIAN RESERV	Indian Reservations
UMTRA	Uranium Mill Tailings Sites
RAATS	RCRA Administrative Action Tracking System
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
SSTS	Section 7 Tracking Systems
FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

AST..... Aboveground Petroleum Storage Tank Facilities
CA WDS..... Waste Discharge System
DEED..... List of Deed Restrictions
REF..... Unconfirmed Properties Referred to Another Agency
EML..... Emissions Inventory Data
NFA..... No Further Action Determination
NFE..... Properties Needing Further Evaluation
SCH..... School Property Evaluation Program
CA SLIC..... Statewide SLIC Cases

BROWNFIELDS DATABASES

US BROWNFIELDS..... A Listing of Brownfields Sites
VCP..... Voluntary Cleanup Program Properties

EDR PROPRIETARY HISTORICAL DATABASES

See the EDR Proprietary Historical Database Section for details

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL ASTM STANDARD

RCRIS: Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRIS-SQG list, as provided by EDR, and dated 08/10/2004 has revealed that there are

6 RCRIS-SQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
PACIFIC BELL	*2324 SECOND STREET*	*0 - 1/8 NW*	*B10*	*14*
PACIFIC BELL	*2388 SECOND STREET*	*0 - 1/8 NNW*	*C14*	*17*
BOSTROM S LIVERMORE AUTO BODY	*2462 2ND STREET*	*1/8 - 1/4 N*	*16*	*22*
RED S LIVERMORE BODY SHOP	*222 CHURCH STREET*	*1/8 - 1/4 NNE*	*20*	*27*
LIVERMORE CITY OF	*2500 RAILROAD AVE*	*1/8 - 1/4 NNW*	*21*	*29*
ALAMEDA CO DEPT OF AGRI	*2418 RAILROAD AVE*	*1/8 - 1/4 NNW*	*D24*	*33*

STATE ASTM STANDARD

CORTESE: This database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with USTs having a reportable release and all solid waste disposal facilities from which there is known migration. The source is the California Environmental Protection Agency/Office of Emergency Information.

A review of the Cortese list, as provided by EDR, has revealed that there are 17 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
ROBERT & EDNA CARPENTER	*524 S LIVERMORE AVE*	*1/8 - 1/4 SE*	*18*	*25*
& W DEVELOPMENT	300 WOOD	1/4 - 1/2 NE	E27	34
& W DEVELOPMENT	*2920 4TH ST*	*1/4 - 1/2 NE*	*G36*	*47*
UNOCAL	*900 LIVERMORE AVE S*	*1/4 - 1/2 SE*	*J43*	*56*

Lower Elevation	Address	Dist / Dir	Map ID	Page
PACIFIC BELL	*2388 SECOND STREET*	*0 - 1/8 NNW*	*C14*	*17*
MOBIL MINI MART	*101 J*	*1/8 - 1/4 WNW*	*17*	*24*
LIVERMORE CITY OF	*2500 RAILROAD AVE*	*1/8 - 1/4 NNW*	*21*	*29*
LIVERMORE AGRICULTURAL OF	*2418 RAILROAD*	*1/8 - 1/4 NNW*	*D23*	*32*
LIVERMORE GERMAN AUTO	*2730 OLD 1ST ST*	*1/4 - 1/2 N*	*28*	*35*
DESERT PETROLEUM BP	*2008 1ST ST*	*1/4 - 1/2 W*	*29*	*36*
GROTH BROS OLDSMOBILE INC	*59 SOUTH L STREET*	*1/4 - 1/2 W*	*32*	*40*
BEACON	*2620 OLD 1ST ST E*	*1/4 - 1/2 NNE*	*F34*	*46*
ARROW RENTALS	*187 N L ST*	*1/4 - 1/2 WNW*	*H38*	*49*
LAIDLAW TRANSIT INC	*2900 LADD AVE*	*1/4 - 1/2 NNE*	*39*	*51*
UNOCAL	*1771 1ST ST*	*1/4 - 1/2 W*	*I41*	*54*
MILL SPRINGS PARK APARTME	*1809 RAILROAD*	*1/4 - 1/2 W*	*44*	*58*
RYNCK TIRE CENTER	*1682 1ST ST*	*1/4 - 1/2 W*	*45*	*59*

NOTIFY 65: Notify 65 records contain facility notifications about any release that could impact drinking water and thereby expose the public to a potential health risk. The data come from the State Water Resources Control Board's Proposition 65 database.

A review of the Notify 65 list, as provided by EDR, has revealed that there are 4 Notify 65 sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
NONE	330 WOOD	1/4 - 1/2 NE	31	40
NONE	2920 4TH	1/4 - 1/2 NE	G35	47

Lower Elevation	Address	Dist / Dir	Map ID	Page
ARROW RENTALS	187 NORTH L STREET	1/4 - 1/2	WNW H37	49
MOSC, PAUL'S SPA KLE CLEANE S	1332 RAILROAD AVENUE	1/2 - 1	W 47	61

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 07/12/2004 has revealed that there are 19 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
DEL VALLE CONTINUATION HIGH SC	2253 5TH ST	0 - 1/8	SSW 15	20
ROBERT & EDNA CARPENTER	***524 S LIVERMORE AVE***	***1/8 - 1/4***	***SE 18***	***25***
J & W DEVELOPMENT	330 WOOD ST	1/4 - 1/2	NE E30	38
& W DEVELOPMENT	***2920 4TH ST***	***1/4 - 1/2***	***NE G36***	***47***
UNOCAL SVC STA #4667	***900 SO LIVERMORE AVE***	***1/4 - 1/2***	***SE J42***	***55***
UNOCAL	***900 LIVERMORE AVE S***	***1/4 - 1/2***	***SE J43***	***56***

Lower Elevation	Address	Dist / Dir	Map ID	Page
PACIFIC BELL	***2388 SECOND STREET***	***0 - 1/8***	***NNW C14***	***17***
MOBIL MINI MART	***101 J***	***1/8 - 1/4***	***WNW 17***	***24***
LIVERMORE CITY OF	***2500 RAILROAD AVE***	***1/8 - 1/4***	***NNW 21***	***29***
LIVERMORE GERMAN AUTO	***2730 OLD 1ST ST***	***1/4 - 1/2***	***N 28***	***35***
DESERT PETROLEUM BP	***2008 1ST ST***	***1/4 - 1/2***	***W 29***	***36***
GROTH BROS OLDSMOBILE INC	***59 SOUTH L STREET***	***1/4 - 1/2***	***W 32***	***40***
BEACON #719	***2620 E OLD 1ST ST***	***1/4 - 1/2***	***NNE F33***	***45***
BEACON	***2620 OLD 1ST ST E***	***1/4 - 1/2***	***NNE F34***	***46***
ARROW RENTALS	***187 N L ST***	***1/4 - 1/2***	***WNW H38***	***49***
LAIDLAW TRANSIT INC	***2900 LADD AVE***	***1/4 - 1/2***	***NNE 39***	***51***
UNOCAL #4186	1771 1ST ST	1/4 - 1/2	W I40	52
MILL SPRINGS PARK APARTME	***1809 RAILROAD***	***1/4 - 1/2***	***W 44***	***58***
RYNCK TIRE CENTER	***1682 1ST ST***	***1/4 - 1/2***	***W 45***	***59***

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 07/12/2004 has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
ARCO 498	286 S LIVERMORE AVE	0 - 1/8	A8	12

Lower Elevation	Address	Dist / Dir	Map ID	Page
PACIFIC BELL PE016	2388 SECOND ST	0 - 1/8	NNW C13	17

CA FID: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, has revealed that there are 5 CA FID UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
LIVERMORE AUTO & TIRE CORP	***167 S LIVERMORE AVE***	***0 - 1/8 NW***	***B12***	***15***
PACIFIC BELL	***2388 SECOND STREET***	***0 - 1/8 NNW***	***C14***	***17***
VEL HEATING & PLUMBING	2326 001ST ST	1/8 - 1/4 WNW	19	27
LIVERMORE AGRICULTURAL OF	***2418 RAILROAD***	***1/8 - 1/4 NNW***	***D23***	***32***
LIVERMORE CORPORATION YARD	***2376 RAILROAD AVE***	***1/8 - 1/4 NNW***	***D25***	***33***

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 4 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
CRAIG A HUMRICHOUSE	***286 S LIVERMORE AVE***	***0 - 1/8***	***A9***	***12***

Lower Elevation	Address	Dist / Dir	Map ID	Page
LIVERMORE AUTO & TIRE CORP	167 S LIVERMORE AVE	0 - 1/8 NW	B11	14
PACIFIC BELL	***2388 SECOND STREET***	***0 - 1/8 NNW***	***C14***	***17***
LIVERMORE CORPORATION YARD	2376 RAILROAD AVE	1/8 - 1/4 NNW	26	34

FEDERAL ASTM SUPPLEMENTAL

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 12/31/2003 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
LIVERMORE RIFLE RANGE		1/2 - 1 NE	46	61

STATE OR LOCAL ASTM SUPPLEMENTAL

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the CLEANERS list, as provided by EDR, has revealed that there is 1 CLEANERS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
QUALITY CLEANERS	***2048 FIRST ST***	***1/8 - 1/4 W***	***22***	***31***

EDR PROPRIETARY HISTORICAL DATABASES

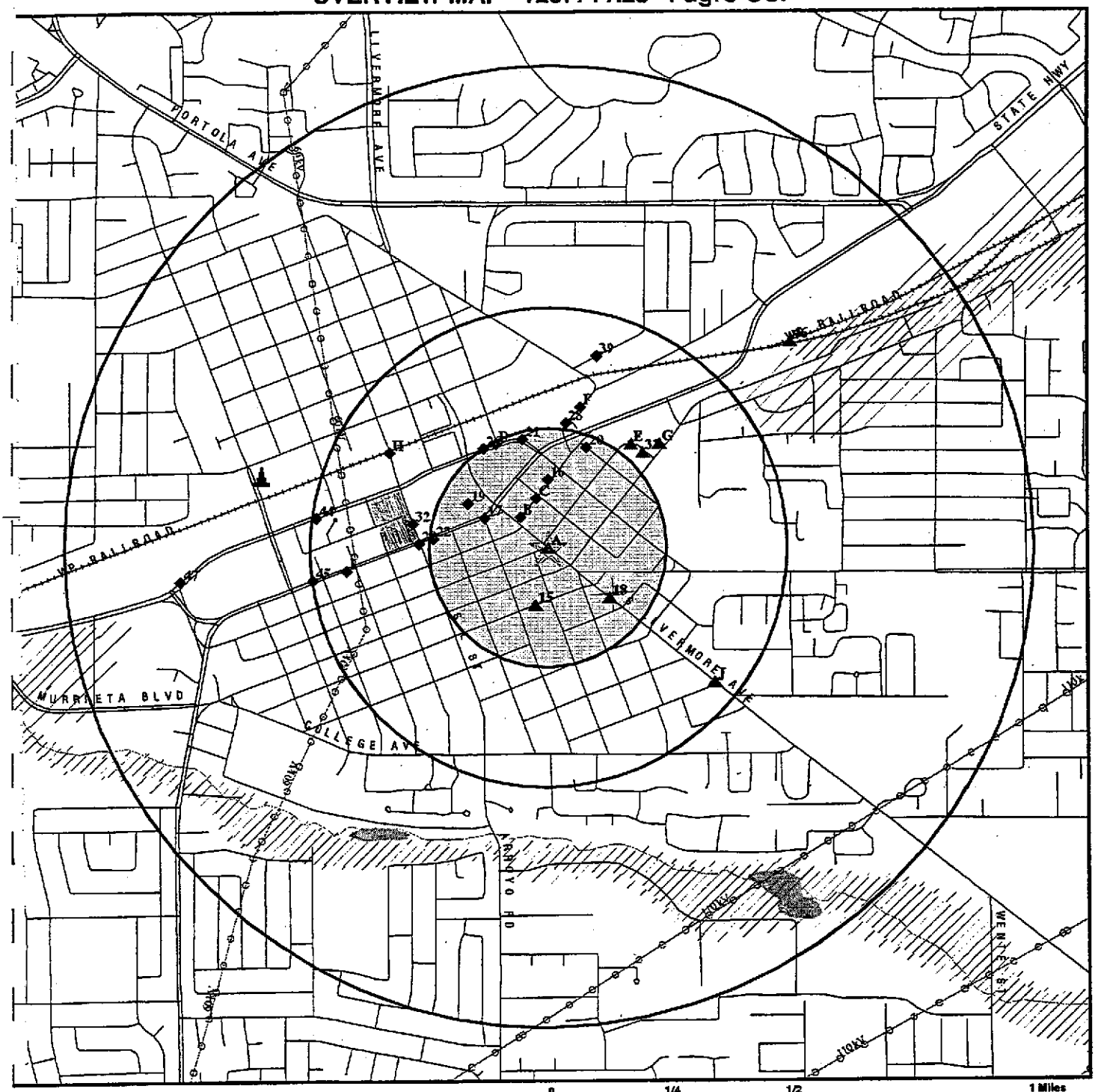
See the EDR Proprietary Historical Database Section for details

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
LIVERMORE SENIOR HOUSING	DEED, VCP
1ST ST AT NORTH MINES RD	LUST, CHMIRS
NORTH K ASSOCIATES	LUST, Cortese
WDR-LAWRENCE LIVERMORE NT	Cortese
UNOCAL	HAZNET, LUST, Cortese, HIST UST
EL DORADO MOTEL	LUST, Cortese
CHEVRON	LUST, Cortese
HELMICK RESIDENCE	HAZNET, LUST, Cortese
PG&E GAS PLANT LIVERMORE	CERC-NFRAP
CALIFORNIA WATER SERV WELL #10-01	CERC-NFRAP
JESS RANCH SEWAGE SLUDGE LANDSPREA	SWF/LF
DEL VALLE RESERVOIR DS	SWF/LF
MARCIEL RANCH LANDSPREADING	SWF/LF
CHEVRON	LUST
LIVERMORE HONDA	LUST
RYNCK TIRE	LUST
NORTH K ASSOCIATES	LUST
LIVERMORE HONDA	LUST
LAWRENCE LIVERMORE LAB DOE	LUST
S&B SHELL	UST
TOSCO CORP 11128	UST
SANDIA NATIONAL LABORATORIES	HIST UST
CALTRANS LIVERMORE MAINTENANCE	CA FID UST
LIVERMORE CITY OF	RCRIS-SQG, FINDS
FRANKLIN S AUTO BODY	RCRIS-SQG, FINDS
DAVIDSONS AUTO BODY REPAIR	RCRIS-SQG, FINDS
DECOITES AUTO BODY EMPORIUM	RCRIS-SQG, FINDS
ARCADE SHOPPING CENTER - LIVERMORE	CA SLIC
LAWRENCE LIVERMORE LAB DOE	CA SLIC
LIVERMORE ARCADE SITE	REF

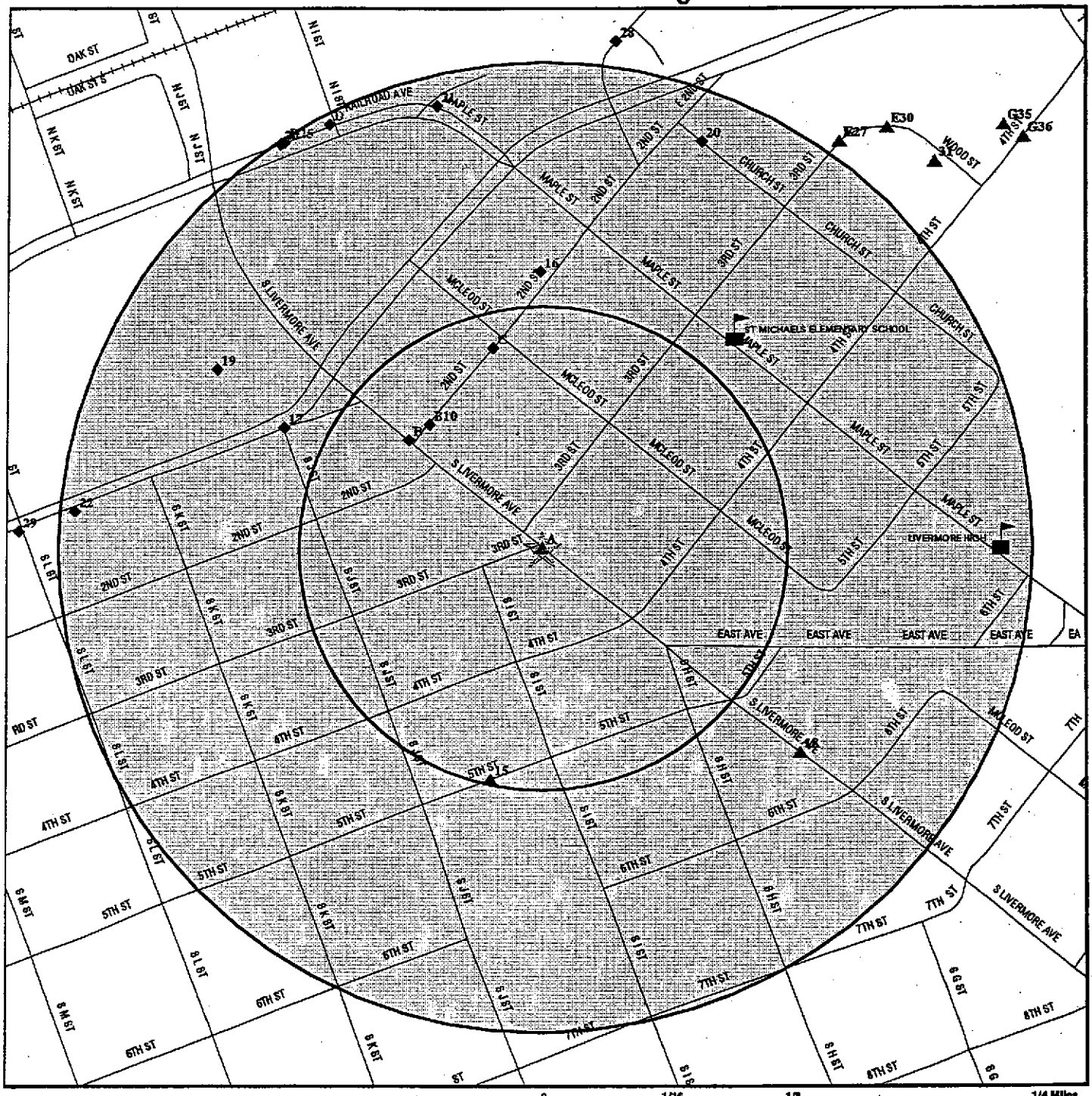
OVERVIEW MAP - 1287711.2s - Fugro-SCI



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Coal Gasification Sites
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands
- Areas of Concern

TARGET PROPERTY:	318 S. Livermore Avenue	CUSTOMER:	Fugro-SCI
ADDRESS:	318 S. Livermore Avenue	CONTACT:	Bill Mitchell
CITY/STATE/ZIP:	Livermore CA 94550	INQUIRY #:	1287711.2s
LAT/LONG:	37.6807 / 121.7663	DATE:	October 14, 2004 3:17 pm

DETAIL MAP - 1287711.2s - Fugro-SCI



- ☆ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- Historical Gas Stations / Historical Dry Cleaners See the EDR Proprietary Historical Map Findings
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Areas of Concern

TARGET PROPERTY:	318 S. Livermore Avenue	CUSTOMER:	Fugro-SCI
ADDRESS:	318 S. Livermore Avenue	CONTACT:	Bill Mitchell
CITY/STATE/ZIP:	Livermore CA 94550	INQUIRY #:	1287711.2s
LAT/LONG:	37.6807 / 121.7663	DATE:	October 14, 2004 3:18 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL ASTM STANDARD								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.	X	0.250	2	4	NR	NR	NR	6
ERNS		TP	NR	NR	NR	NR	NR	0
STATE ASTM STANDARD								
AWP		1.000	0	0	0	0	NR	0
Cal-Sites		1.000	0	0	0	0	NR	0
CHMIRS	X	TP	NR	NR	NR	NR	NR	0
Cortese		0.500	1	4	12	NR	NR	17
Notify 65		1.000	0	0	3	1	NR	4
Toxic Pits		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
LUST	X	0.500	2	3	14	NR	NR	19
CA Bond Exp. Plan		1.000	0	0	0	0	NR	0
UST		0.250	2	0	NR	NR	NR	2
VCP		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
CA FID UST		0.250	2	3	NR	NR	NR	5
HIST UST	X	0.250	3	1	NR	NR	NR	4
FEDERAL ASTM SUPPLEMENTAL								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
FUDS		1.000	0	0	0	1	NR	1
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
TSCA		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
STATE OR LOCAL ASTM SUPPLEMENTAL								
AST		TP	NR	NR	NR	NR	NR	0
CLEANERS		0.250	0	1	NR	NR	NR	1
CA WDS		TP	NR	NR	NR	NR	NR	0
DEED		TP	NR	NR	NR	NR	NR	0
REF		0.250	0	0	NR	NR	NR	0
EMI		TP	NR	NR	NR	NR	NR	0
NFA		0.250	0	0	NR	NR	NR	0
NFE		0.250	0	0	NR	NR	NR	0
SCH		0.250	0	0	NR	NR	NR	0
SLIC		0.500	0	0	0	NR	NR	0
HAZNET	X	TP	NR	NR	NR	NR	NR	0
EDR PROPRIETARY HISTORICAL DATABASES								
Gas Stations/Dry Cleaners		0.250	0	0	NR	NR	NR	0
Coal Gas		1.000	0	0	0	1	NR	1
BROWNFIELDS DATABASES								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0

NOTES:

See the EDR Proprietary Historical Database Section for details

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

EDR™ Environmental Data Resources Inc

"Linking Technology with Tradition"®

Sanborn® Map Report

Ship To: Bill Mitchell
Fugro-SCI
1000 Broadway
Oakland, CA 94607

Order Date: 10/14/2004 **Completion Date:** 10/14/2004
Inquiry #: 1287711.3s
P.O. #: NA
Site Name: 318 S. Livermore Avenue
Address: 318 S. Livermore Avenue
City/State: Livermore, CA 94550
Cross Streets:

Customer Project: 1121.006
6010308SHA 510-268-0461

Based on client-supplied information, fire insurance maps for the following years were identified

1884 - 1 Map
1888 - 1 Map
1893 - 1 Map
1907 - 1 Map
1917 - 1 Map
1929 - 1 Map
1944 - 1 Map
1959 - 1 Map

Limited Permission to Photocopy Total Maps: 8

Electronic Sanborn Map Images
USER'S GUIDE

Thank you for your interest in electronic Sanborn Map images. The following are guidelines for accessing the images and for transferring them to your system. If you have any questions about the use of electronic Sanborn Map images, contact your EDR Account Executive at 1-800-352-0050.

Organization of Electronic Sanborn Image File

- First Page — Sanborn Map Report, listing years of coverage
- Second Page — Electronic Sanborn Map Images USER'S GUIDE
- Third Page — Oldest Sanborn Map Image
- Last Page — Most recent Sanborn Map Image

Navigating the Electronic Sanborn Image File

- Open file on screen.
- Identify TP (Target Property) on the most recent map.
- Find TP on older printed images.
- Using Acrobat, zoom to 250% in order to view more clearly.
  - 200-250% is the approximate equivalent scale of hardcopy Sanborn Maps.
- Zooming in on an image:
  - On the menu bar, click "View" and then zoom.
  - Use the magnifying tool and drag a box around the TP area.

Printing a Sanborn Map from the Electronic File

- EDR recommends printing all images at 300 dpi (300 dpi prints faster than 600 dpi).
- To print only the TP area, cut and paste the area from Adobe Acrobat to your word processor.

Acrobat Version 4

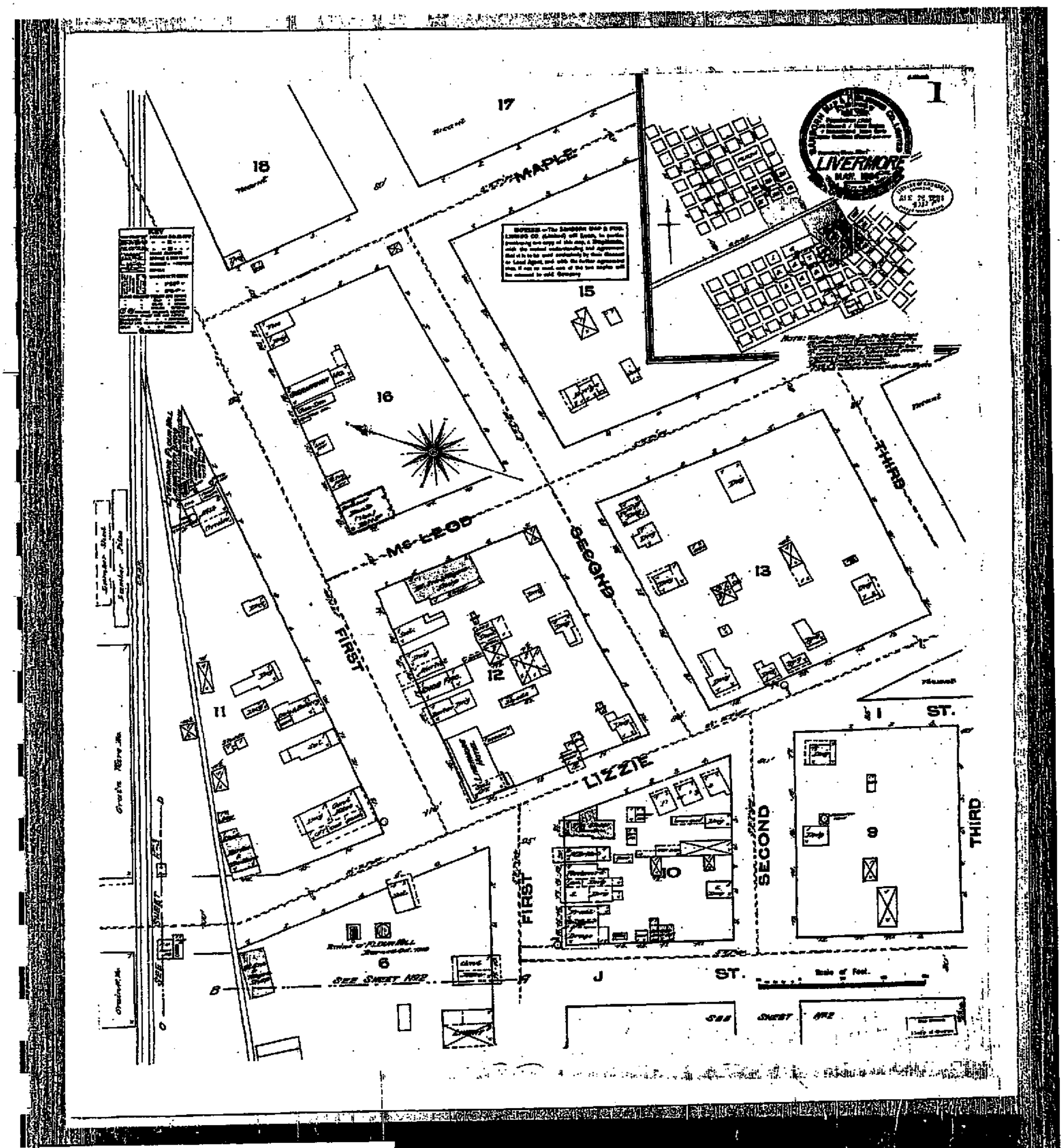
- Go to the Menu bar
- Press and hold the "T" button
- Choose the Graphics Select Tool
- Draw a box around the area selected
- Go to "Menu"
- Hightlight "Edit"
- Hightlight "Copy"
- Go to a word processor such as Microsoft Word, paste and print.

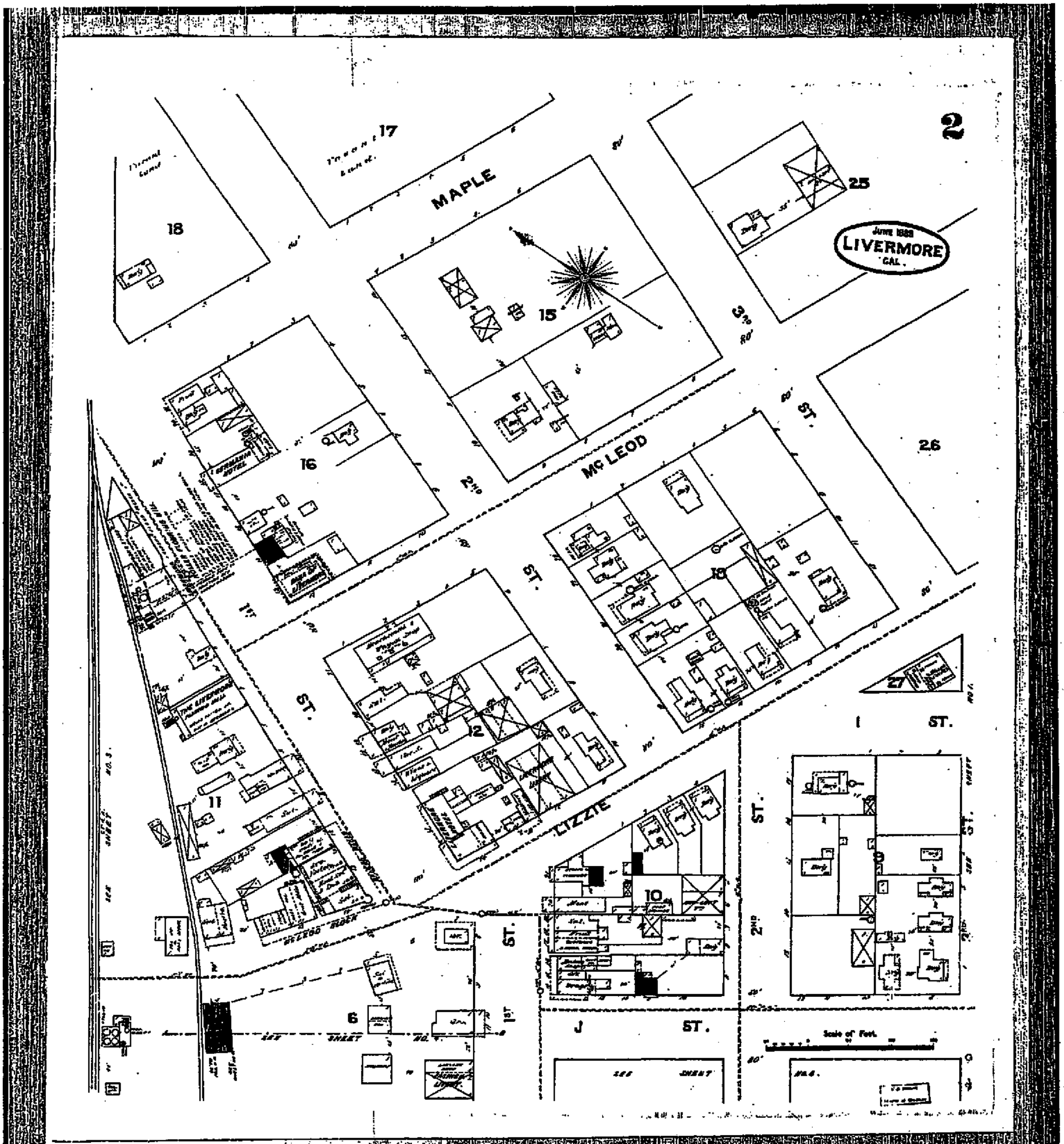
Acrobat Version 5

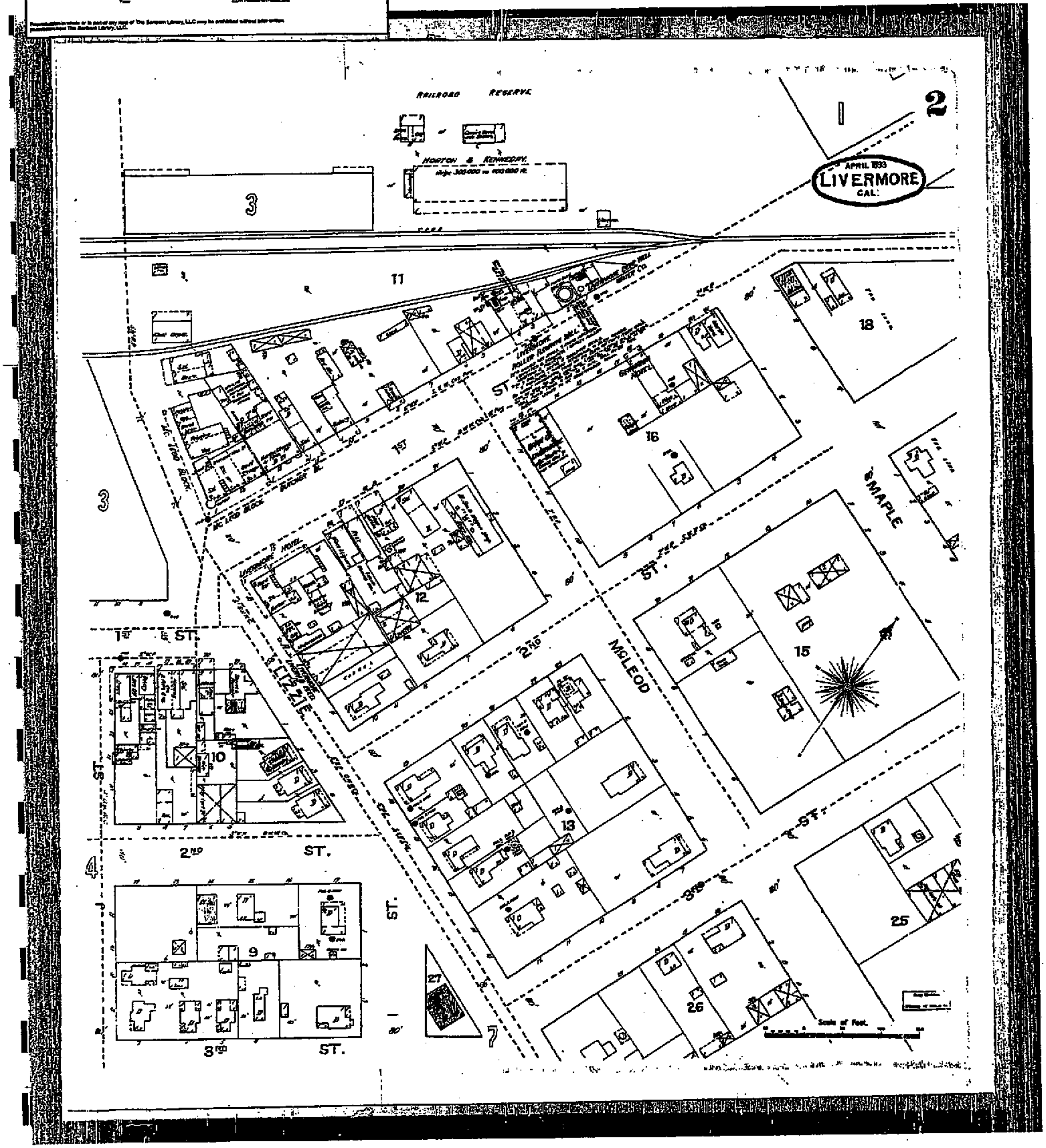
- Go to the Menu bar
- Click the "Graphics Select Tool"
- Draw a box around the area selected
- Go to "Menu"
- Highlight "Edit"
- Highlight "Copy"
- Go to a word processor such as Microsoft Word, paste and print.

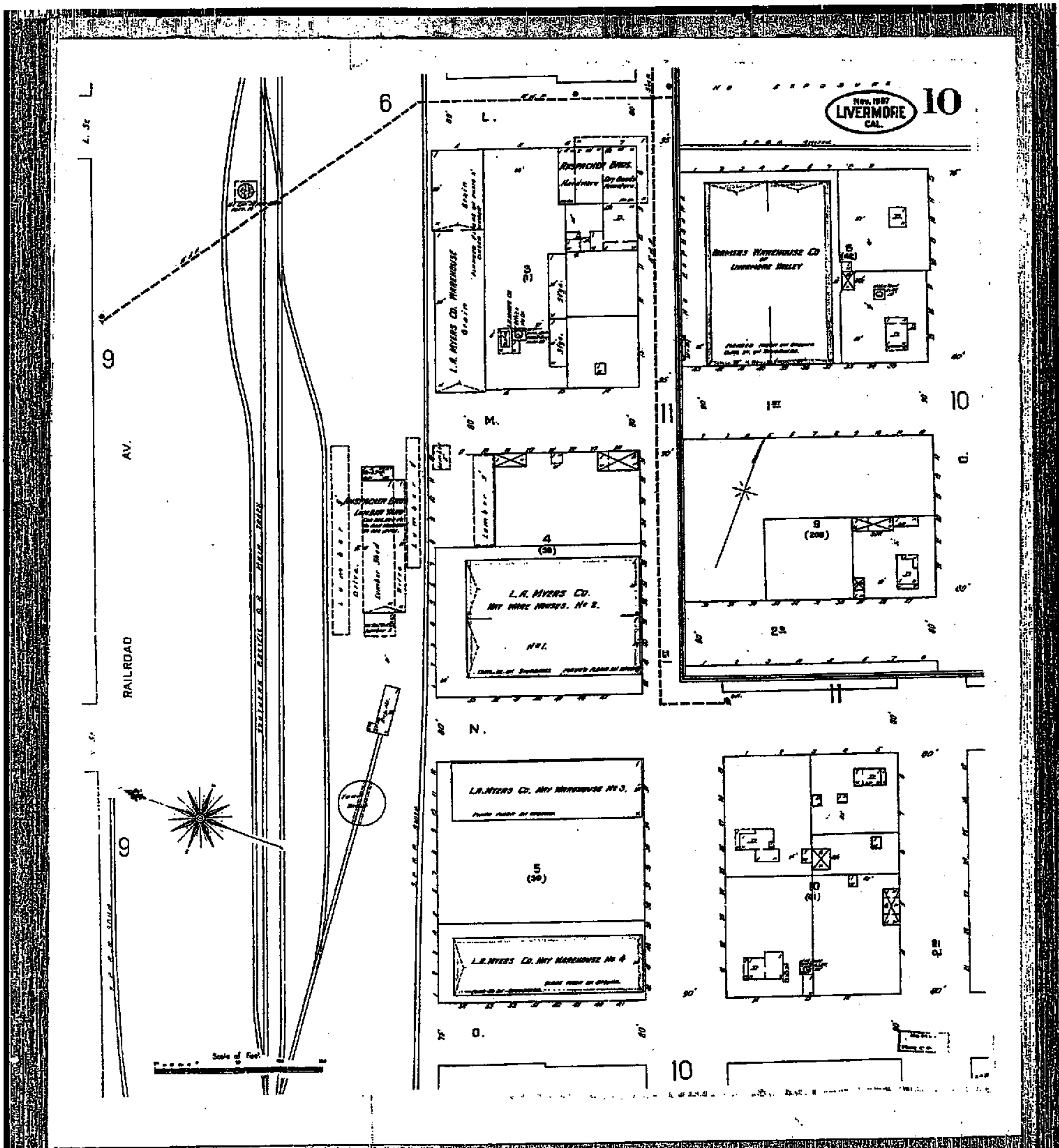
Important Information about Email Delivery of Electronic

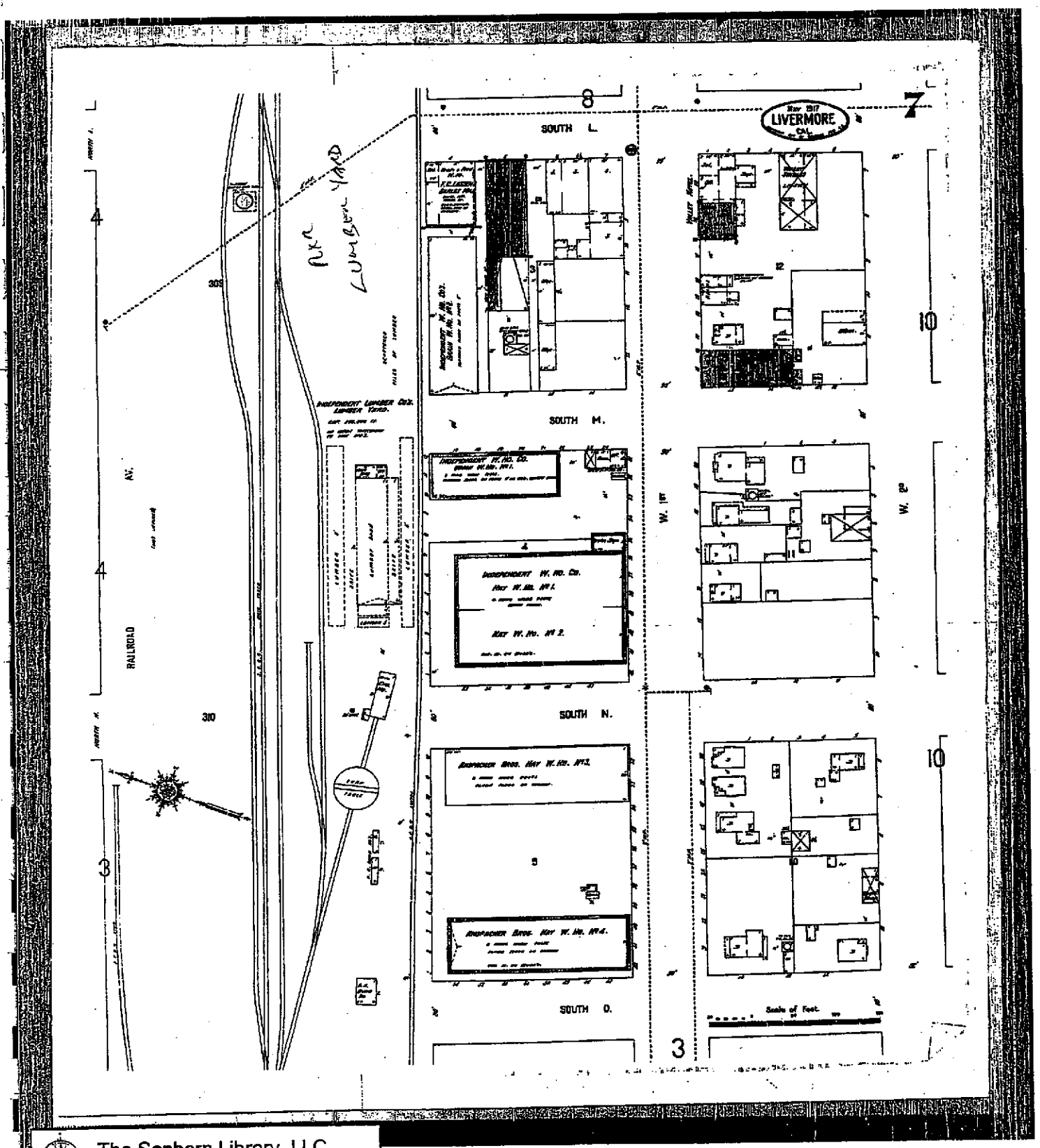
- Images are grouped intro one file, up to 2MB.
- In cases where in excess of 6-7 map years are available, the file size typically exceeds 2MB. In these cases, you will receive multiple files, labeled as 1 of 3, 2 of 3, etc. including all available map years.
- Due to file size limitations, certain ISPs, including AOL, may occasionally delay or decline to deliver files. Please contact your ISP to identify their specific file size limitations.

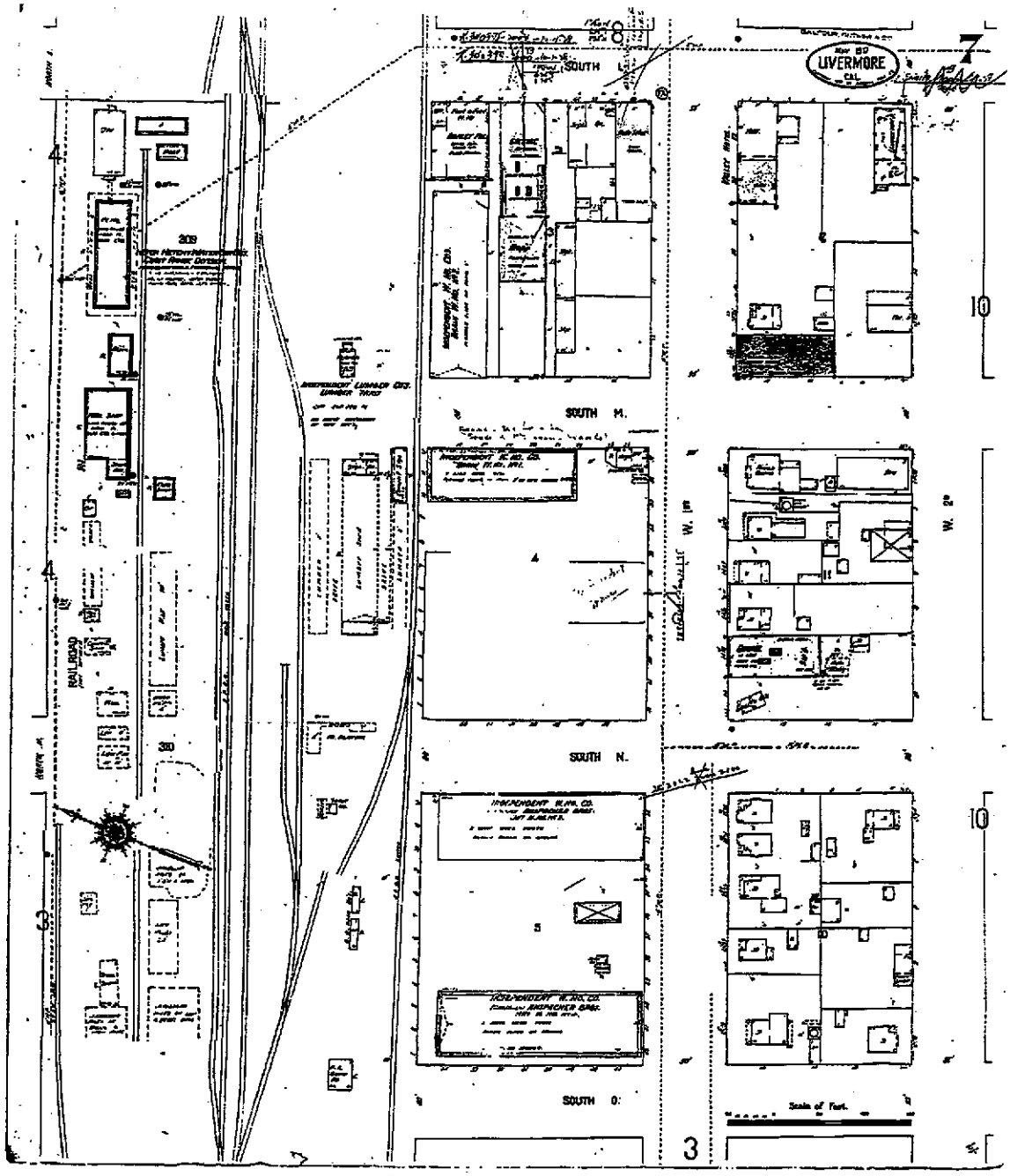


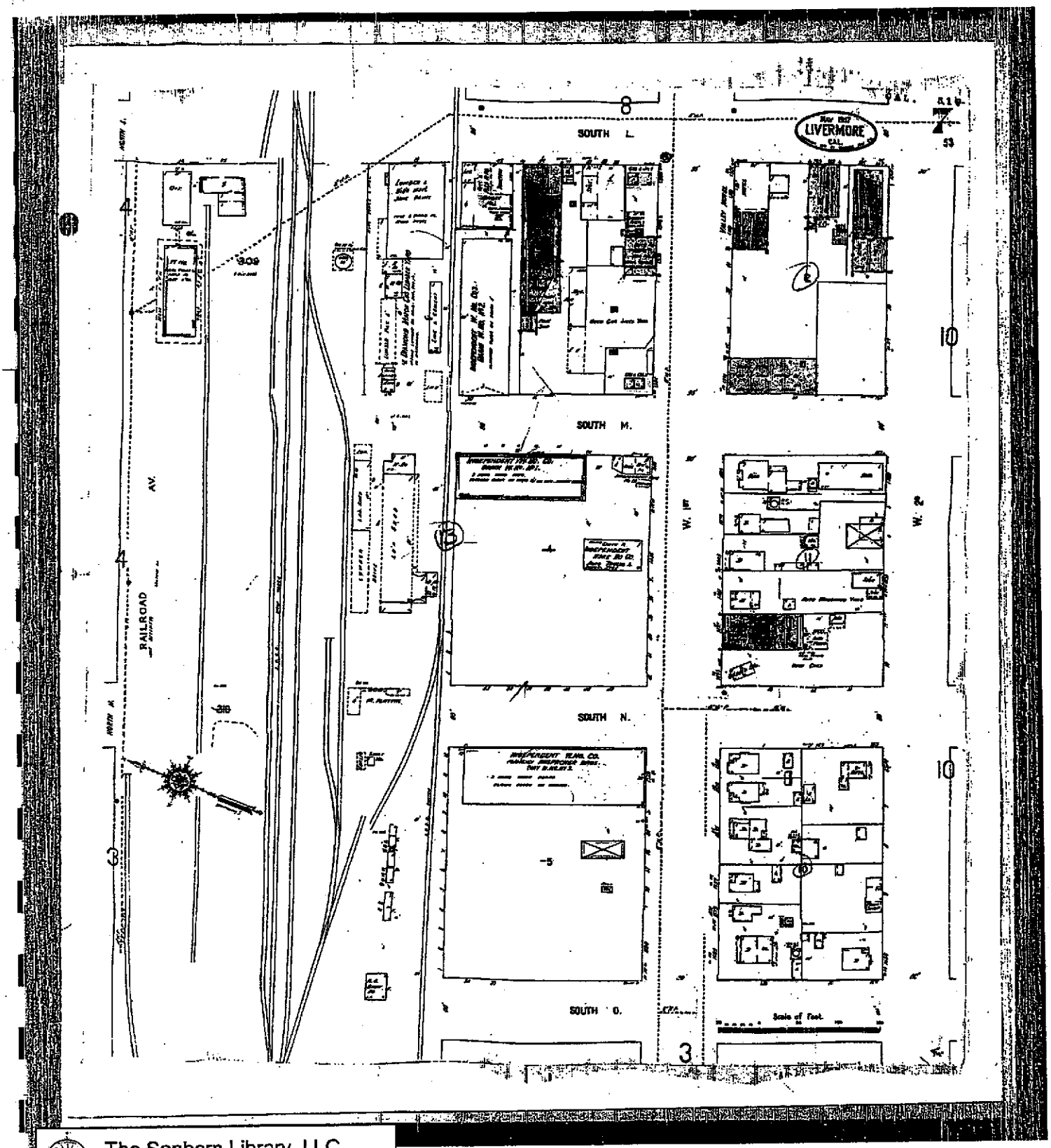


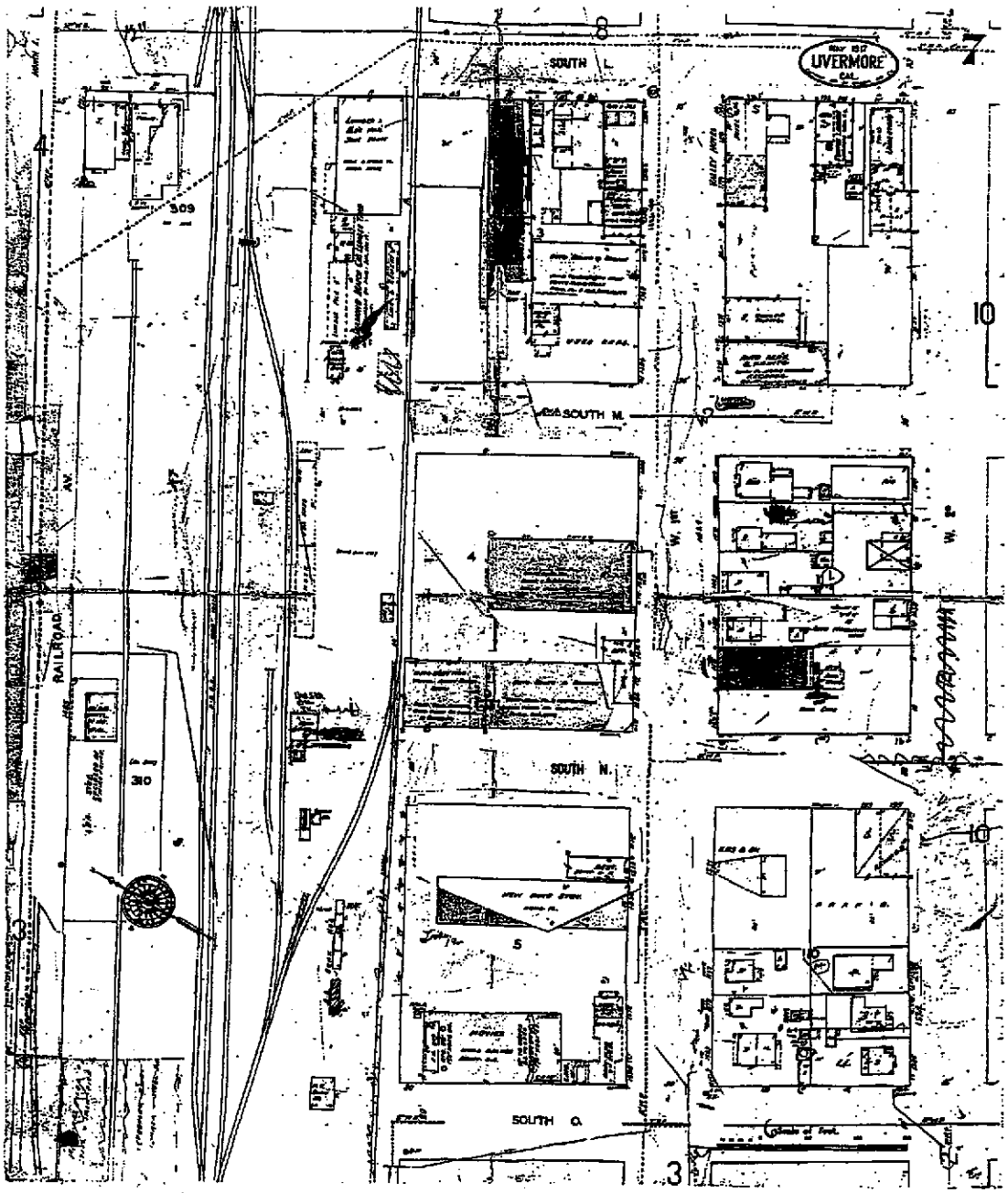












APPENDIX B
ALAMEDA COUNTY ENVIRONMENTAL HEALTH DEPARTMENT LETTER

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9432

StID 2935

November 30, 1999

Mr. Dick Groth
Groth Brothers
59 South L Street
Livermore, CA 94550

RE: Well Decommission at 59 South L Street, Livermore, CA

Dear Mr. Groth:

On December 22, 1997 this office sent a letter to you requesting that the onsite groundwater monitoring well (MW-1) be decommissioned. As of the date of this letter, I have not received confirmation that the well has been decommissioned. Bear in mind that an improperly abandoned well can act as a conduit for the migration of contaminants from the surface to groundwater. To minimize potential future liabilities, the well should be properly decommissioned. Well destruction permits may be obtained from Alameda County Flood Control and Water Conservation, Zone 7. They can be reached at (925) 484-2600.

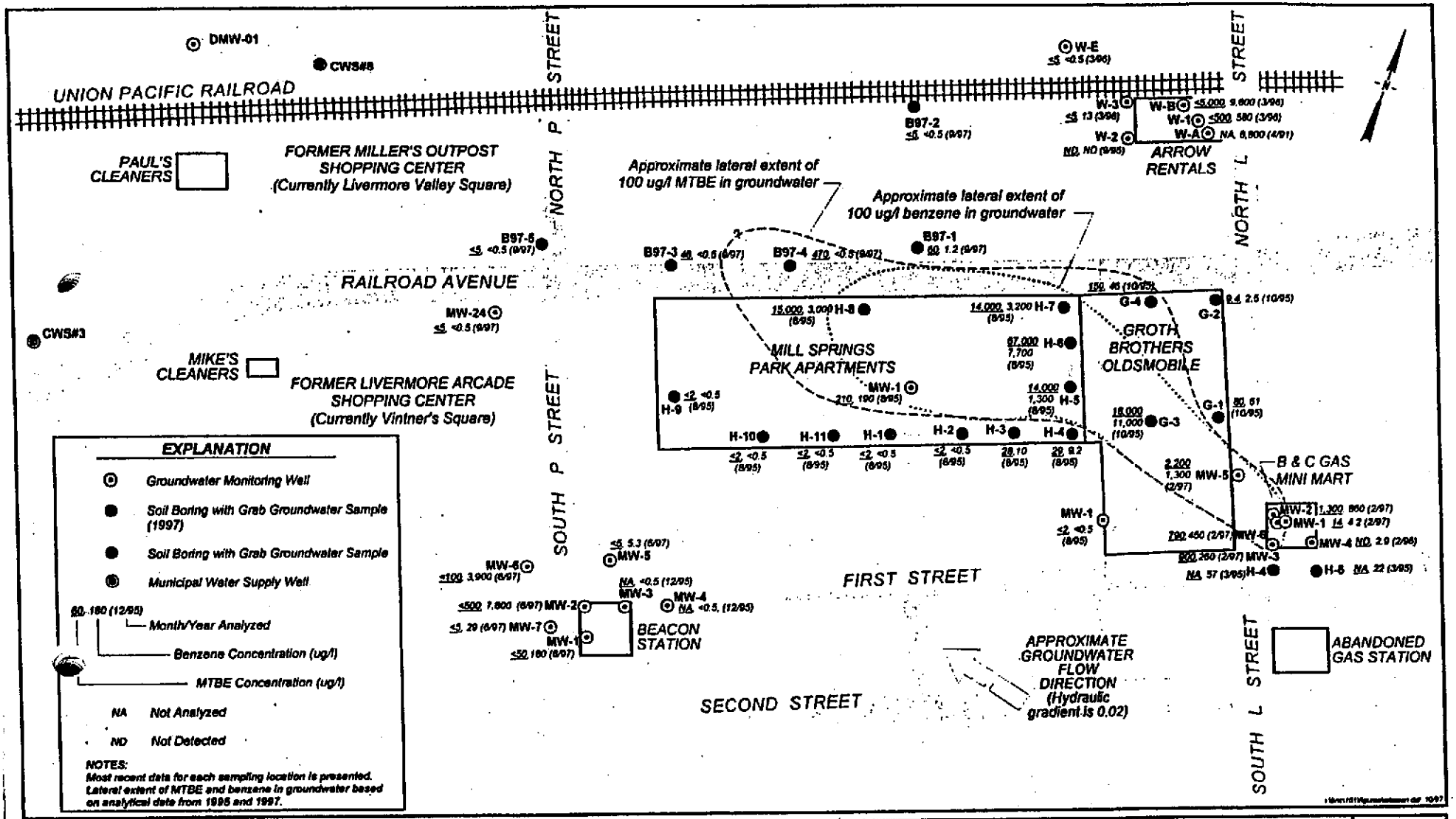
Once the well has been decommissioned, a remedial action completion letter will be issued for the former underground storage tanks removed/closed-in-place in October 1990.

If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist

groth11

APPENDIX C
B&C GAS MINI MART
MTBE & BENZENE CONCETRATIONS IN GROUNDWATER



EINARSON FOWLER & WATSON

SCALE: 0 200 400 FEET (APPROXIMATE)

WATER QUALITY EVALUATION
B & C GAS MINI MART
LIVERMORE, CALIFORNIA

MTBE AND BENZENE CONCENTRATIONS IN GROUNDWATER

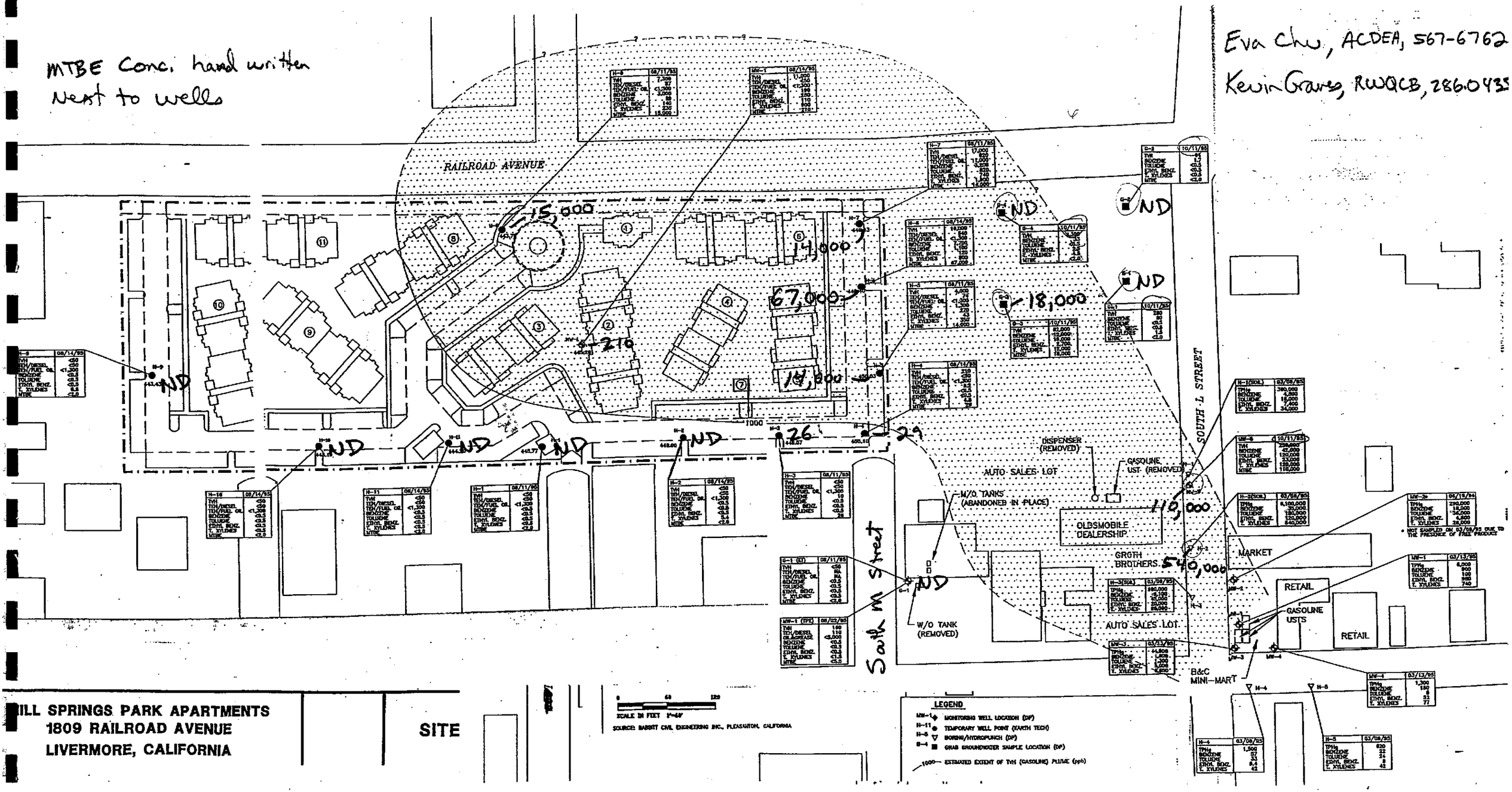
FIGURE 3

PROJECT NO BNC101

APPENDIX D
MILLS SPRINGS PARK APARMENTS
MTBE CONCENTRATION MAP

MTBE Conc. hand written
Next to wells

Eva Chu, ACDEA, 567-6762
Kevin Graves, RWQCB, 286-0435



HILL SPRINGS PARK APARTMENTS
1809 RAILROAD AVENUE
LIVERMORE, CALIFORNIA

SITE

APPENDIX E
PHASE I AND PHASE II SITE ASSESSMENT REPORT TWO ACRE PARCEL AT RAILROAD AVENUE AND L STREET SITE PLAN

The Earth Technology Corporation®

2030 Addison Street, Suite 500
Berkeley, California 94704
Telephone: (510) 540-6954 Fax: (510) 540-7496

10/2/95
- 200 ppm TPH-MO
- 60 ppm Pb in stkpl soil
- 6 USTs on site at Groth. where are other 2? have account of 4.

May 4, 1994

Affinity Incorporated
2980 Railroad Avenue
Pittsburg, CA 94565

943222.01
File: Report

Attention: Mr. Mike Affinito

Subject: PHASE I AND II ENVIRONMENTAL SITE ASSESSMENT REPORT
Two Acre Parcel at Railroad Avenue and L Street
Livermore, California

Dear Mr. Affinito:

INTRODUCTION

In accordance with our agreement, The Earth Technology Corporation (Earth Technology) has performed a Phase I and Phase II Environmental Site Assessment of the Subject Site. This report presents the results of our findings. The site consists of an approximately two acre parcel located at the southwest corner of Railroad Avenue and L Street in Livermore, California. The site has been cleared of previous structures, and some underground improvements have been constructed along the north and east property boundaries. The location of the Subject Site relative to the City of Livermore is shown in Figure 1, Vicinity Map.

Earth Technology's scope of services included the following tasks:

- Review of Regulatory Records
- Site Reconnaissance
- Review Historical Data (including historical aerial photos)
- Subsurface Investigation (soil sample collection and chemical analyses)
- Report Preparation.

Review of title reports was specifically excluded from the Scope of Services.

REVIEW OF REGULATORY RECORDS

Records Review

Earth Technology reviewed a commercial Environmental database search provided by Environmental Data Resources (EDR). This database was utilized in order to identify sites with potential problems quickly and efficiently. The purpose of the database records survey was to:

(1) Identify activities both at and in the vicinity of the site within a 1/8 to 1 mile radius

(2) Identify records of reported spills or releases of hazardous materials on the site or in nearby areas that may have contaminated the soil or groundwater.

Agency databases that were reviewed as part of the EDR database search are identified in Table 1.

A detailed description of each of these database sources is included in the EDR Radius Report included as Appendix A. The following data were obtained from reviewing the above listed databases, including the number of sites identified within each database:

- Environmental Protection Agency (EPA) Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) (1/94) - 1 site listed within 1/2 mile
- EPA National Priority List (NPL) (1/94) - No sites listed
- EPA Resource Conservation Recovery Information System (RCRIS) Small Quantity Generator (6/93) - 3 sites listed within 1/8 mile
- California EPA (Cal-EPA) Cortese List (7/92) - 18 sites listed
- Cal-EPA Annual Work Plan (AWP-formerly Bond Expenditure Plan) (6/93) - No sites listed
- California Office of Emergency Services, California Hazardous Materials Incident Reporting System (12/91)- 15 sites
- California Water Resources Control Board (WRCD) Proposition 65 Notification Records (10/93) - 4 sites listed
- WRCD Toxic Pits (12/93) - no sites listed
- WRCD Underground Storage Tanks (10/90) - 3 sites listed within 1/8 mile

Table 1. Databases Searched

Database	Type of Records	Agency
CERCLIS	Contaminated Sites Under CERCLA (1980)	USEPA
NPL	Federal Superfund Sites	USEPA
RCRIS	Information on sites which Generate, transport, store, treat and/or dispose hazardous waste as defined by RCRA	USEPA
CORTESE	Hazardous Wastes & Substances Site List	California Governor's Office of Planning & Research
CAL-SITES/ AWP	Contaminated sites listed on the Annual Work Plan, and cleanup sites under the Bond Expenditure Plan	California EPA
CHMIRS	California Hazardous Material Incident Reporting System	CA Office of Emergency Services
Notify 65	Facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.	CA Water Resources Control Board
TOXIC PITS	Identifies sites suspected of containing Hazardous substances where cleanup has not yet been completed	CA Water Resources Control Board
UST	Hazardous Substance Storage Container Database. Under RCRA, USTs must be registered with the state Properties (Deed Restrictions)	CA Water Resources Control Board
Coal Gas	Former Manufactured Coal Gas sites	Real Property Scan, Inc.
CAL-SITES/ ASPIS	Actually or potentially contaminated sites under the Abandoned Site Program	California EPA
HWIS	Hazardous Waste Generators, Treatment, Storage, & Disposal Facilities	California EPA
SWIS	Active & Inactive Sanitary Landfills and Disposal Facilities	California Waste Management Board
LUST	Leaking Underground Storage Tanks	California Regional Water Quality Control Boards

- Former Manufactured Coal Gas sites (1993) - 1 site listed

- Cal-EPA CALSITES (formerly the Abandoned Sites Program Information Systems - ASPIS) (1/94) - 12 sites listed

- Cal-EPA Hazardous Waste Information System (HWIS) (12/92) - 2 sites listed within 1/8 mile

- California Waste Management Board (CWMB) Solid Waste Information System (SWIS) (1/94) - No sites listed within 1/2 mile

- California State Water Resources Control Board (WRCB) Leaking Underground Storage Tank (LUST) database (1/94) - 19 sites listed.

The record and agency database review identified a total of 55 sites with potential contamination within a 1-mile radius of the Subject Site. The locations of these sites with respect to the Subject Site are shown on the Site Map in the EDR Report (Appendix A). Some of the locations represent more than one facility (Map I.D. No. A, C, E, N, O, and P) that may have had reported spills or releases of hazardous materials.

Based on the proximity of these locations to the site, 7 of the 55 sites are located within 1/8-mile of the Subject Site. Groth Brothers Oldsmobile, Inc. (Groth Bros.), at 58 South L Street, is the only site located immediately adjacent to the Subject Site. Groth Bros. is on several lists searched by EDR including RCRIS and LUST. However, there is no reported spill or leaks at Groth Bros. Another site, a gasoline station at 2008 1st Street, is located 1 block southeast of the Subject Site. A LUST recorded spill in 1988 reportedly affected the groundwater. This site is in the regional upgradient direction of the Subject Site.

Eight other listed sites are within 1 mile in the general upgradient direction. A former Cal-EPA site, Inland Valley Publishing Co. (IVP), is located at 2219 1st Street, within 1/4 mile of the Subject Site. No information is given on contaminants at IVP.

The adjacent property to the west, the Mill Springs Park Apartments, is on the Cortese list as a leaking tank site. The site received formal regulatory closure in December 1993.

Agency Contacts

The following agencies were also contacted in order to obtain specific information about the Subject Site:

- City of Livermore - Department of Public Works
- City of Livermore - Fire Department
- California Water Service Company.
- Alameda County, Environmental Health Department

The City of Livermore Department of Public Works Department was contacted to determine if septic systems were used historically in the area prior to installation of underground storm and sanitary sewer lines. Based on discussion with Livermore Public Works Department personnel, the storm drain runs East-west at the back of the property. Livermore Public Works Department personnel indicated that the sanitary sewer was installed in most of Livermore in the 1930's. Septic tanks were in use prior to the installation of the sewer system. The Public Works Department has no information regarding possible septic tank locations on the Subject Site. If a septic tank is found, the Alameda County, Environmental Health Department has specific regulations regarding the method of septic tank closure.

The Livermore Fire Department lists sites according to address. Because Earth Technology has no address for the Subject Site, no information was obtained.

Earth Technology staff contacted the California Water Service Company, which supplies water to the City of Livermore. Three groundwater pumping wells are located within 3/4 mile near the railroad tracks, 2 to the west and one to the east. These wells are screened to depths of 273 to 517 feet, with pump bases from 181 to 447 feet. Nitrate is present in the well located to the east. No other contamination is known to exist in the wells.

HISTORICAL REVIEW

Review of Sanborn Maps

Sanborn Maps are insurance maps made from the late nineteenth century to the mid-twentieth century that show surface manmade features such as buildings, above ground tanks, and hydrants, as well as underground water lines. They often tell something of a building's construction materials and use.

A search of the files of the Sanborn Map Company revealed the existence of maps that include the Subject Site for 1884, 1888, 1893, 1907, 1917, 1944, and 1959. Through 1893, the site contained only railroad lines running east-west through the center of the site and a depot building on the south side of the tracks. Railroad tracks also ran along the southern property line. Across the southern tracks on the northern border of the adjacent property was a grain warehouse. A general store and furniture upholstery shop were also located on the southeast portion of the adjacent property.

The 1907 and 1917 maps show a water tower between the central tracks and an underground water line running from the northwest corner to the southeast corner of the Subject Site. These maps show no buildings except the water tower on the Subject Site.

The 1944 map shows several new buildings on the Subject Site. In the northwest corner, three new buildings had been constructed: an office, a store, and a warehouse. The warehouse was surrounded by a wood platform. A railroad track not previously shown ran parallel to the south side of the warehouse and terminated by the store. The Diamond Match Lumber Yard occupied the southern portion of the property. The lumber yard included a large building containing building materials including paint, four smaller buildings and at least two lumber piles. The grain warehouse still occupied the northern portion of the adjacent site to the south. The eastern corner of the warehouse had been converted to a barley mill.

The southern portion of the adjacent property along 1st Street was occupied by an automobile repair garage. The automobile repair garage includes a building on the corner of West 1st and South L Streets that contained three tanks, identified as gas, oil and waste oil tanks. Another building on the corner of West 1st and South M Streets, also part of the automobile repair garage also contained three tanks, identified as gas, oil and waste oil tanks. This site is currently occupied by Groth Bros. Oldsmobile, Inc.

The 1959 map shows a similar configuration of buildings except the three buildings in the northeast corner were gone and two newer buildings had replaced them. One of the buildings was a store and the use of the other is uncertain. The grain warehouse and barley mill were no longer on the adjacent site, but the automobile repair shop remained.

Review of Aerial Photographs

Table 2 lists the aerial photographs reviewed at the air photograph library at Pacific Aerial Surveys in Oakland:

Table 2. Aerial Photographs Reviewed

DATE	NUMBER	SCALE
5-16-57	AV 253 31-40 & 41	1:12,000
5-15-69	AV 903 03-09 & 10	1:12,000
4-30-80	AV 1860 03-09 & 10	1:12,000
5-08-92	AV 4230 0133-33, &34	1:12,000

The 1957 photographs showed that the Subject Site had a building on the northeast corner. Miscellaneous materials were scattered on the property along the north side of the east-west trending railroad track. A warehouse and storage yard were located on the south side of the parcel. The warehouse was about 125 feet by 75 feet and located at the southeast corner. A railroad spur connected on the south side of the main track about 150 feet west of L Street and leads to a large warehouse structure on the adjacent property to the west. An above ground circular water tank about 25 feet in diameter was located about 120 feet west of L Street and about 159 feet north of the south property line. An apparent railroad track ran east-west through the property about 100 feet south of the future Railroad Avenue location. Railroad Avenue and L Street were 2 lane roads with no sidewalks. The properties to the east of L Street were mostly unpaved.

In the 1969 photographs, the features on the buildings and railroad tracks were the same as in the 1957 photographs, as were the buildings on the adjacent southern property. Several vehicles were parked in the vicinity of the large building on the southeast corner of the Subject Site.

In the 1980 photographs, the building on the northeast corner was still there, but the other buildings were gone. A stockpile was oriented east-west across the central portion of the site with a road through the center of it. A dark streak in the soil oriented in east-west extends onto the Subject Site about 50 feet south of the present day Railroad Avenue alignment. The commercial property to the south had indistinct property boundaries and numerous cars were parked in this area and on the Subject Site. The property to the west was vacant with a trailer and vehicle near the west end of that property. Railroad Avenue was in the process of being widened an additional 2 lanes.

The 1992 photographs show the Subject Site without buildings and nearly devoid of vegetation. Both Railroad Avenue and L Street were 4 lanes wide. The commercial property to the south appears to be paved with asphalt surrounding 4 buildings. One building (the body shop) is right along the property line with the Subject Site. The adjacent property to the west is developed as

an apartment complex with carports adjacent to the common property line. The stockpile in the center of the site measures about 250 feet long by 100 feet wide. An unpaved access "road" on the property originates from the northern terminus of M Street and turns eastward on the property. No soil discoloration was noted on the Subject Site. Commercial development with paved parking was observed on the east side of L street and on the northeast corner of the intersection of Railroad Avenue and L Street. Property on the north side of Railroad Avenue was developed with a small, possibly residential building near the intersection. The majority of that area was undeveloped with sparse trees and little or no vegetation.

SITE RECONNAISSANCE

A site reconnaissance was performed on April 15, 1994. The Earth Technology Property Assessment Checklist completed during the site reconnaissance is included as Appendix B.

The site was observed to be absent of buildings and other structures previously viewed in some of the aerial photographs covering the site. No features were present indicating the past location of structures on the property. The site is relatively level with the exception of a large stockpile of soil and gravel materials in the central portion of the property. The source of the stockpiled material was not determined during the site reconnaissance. Underground improvements/utilities were observed to have been installed along the property boundaries adjacent to Railroad Avenue and North L Street as evident by numerous utility vaults present in these areas. No overhead utilities are present at the site.

The north and east property boundaries are improved with concrete or concrete and brick sidewalks approximately ten feet wide as shown on Figure 2. Trees have been planted at evenly spaced locations along the sidewalk. The portion of the property north of the stockpile was not being utilized for parking or storage at the time of the reconnaissance, however, a part of this area is covered by gravel and appears to be used for vehicle access to/from the site. The area east and south of the stockpile is almost entirely covered by gravel which has been well compacted. The gravel paved areas are used for parking new and used vehicles and provides access to these areas.

Two galvanized pipes (one 0.75-inch diameter, one 1.5-inch diameter) were observed protruding about 4 feet out of the ground near the northern property line (see Figure 2). These appear to be electrical conduits. The 3/4-inch pipe contains a non-insulated braided wire. The 1.5-inch pipe contains water.

The stockpiled material in the central part of the site consists predominantly of soil and gravel materials although a number of smaller piles of construction related debris were observed along the north side of the pile. The materials consist of broken sections of concrete, asphalt, plastic debris, metal debris, some lumber and paper. One wood telephone/power pole was observed on the northwest side of the stockpile which appears to be treated with wood preservatives.

Adjacent land use was also observed during the site reconnaissance. On the north side of the property is Railroad Avenue which is 4 lanes wide with a center median strip. The north side of Railroad Avenue contains commercial properties with one small office building located next to the intersection with L Street. The majority of the land to the west of the office building has apparently been leveled and a sign on the site indicates that shopping/movie theater complex is proposed. Electrical power lines are supported on metal poles along the north side of Railroad Avenue. The east side of the site is bounded by L Street which is also 4-lanes wide. The east side of L Street is occupied by commercial buildings including a small shopping complex surrounded by asphalt paved driveways and parking areas. The south side of the Subject Site is occupied by an automobile dealer with a small car rental operation. This business presently utilizes the Subject Site for parking employee vehicles as well as new cars and small trucks. The property immediately to the west side of the property is developed with a residential multi-story apartment complex.

During the reconnaissance, an employee of the adjacent automobile dealership was briefly interviewed as he has been with the dealer for approximately 20 years. He did not have a great deal of information with respect to the Subject Site. He did remember the presence of above-ground oil storage tanks on the Mill Spring site, but did not remember seeing any on the Subject Site. He did recall the presence of the lumber yard on the south side of the site and another smaller building at the northeast corner of the site, although the use of the smaller building was not known.

GEOLOGY AND HYDROGEOLOGY

Geologic Setting

The Subject Site and surrounding area is underlain by alluvial deposits within a structural depression formed by an east-to-west downwarping of the land surface. The depositional environment of the valley floor consists of interbedded Quaternary alluvial deposits including clay, sand and gravel. The Livermore Valley is located at the north end of the Diablo Range which is a part of the northwest trending Coast Range Geomorphic Province.

The site is located in the eastern part of the seismically active San Francisco Bay Region. The Livermore Valley is situated between two known active faults, the Calaveras Fault to the west and the Greenville Fault to the east. Both faults are generally oriented in a northwest - southeast direction.

The native shallow sediments are primarily coarse grained (sands and gravels) soils in varying percentages associated with the Livermore gravels.

Regional Hydrogeology

The Subject Site is located within the Alameda County Flood Control and Water Conservation District, Zone 7. The Fall 1993 Groundwater Contour Map and Report (17 December 1993) was reviewed.

The site is located within the Livermore Valley groundwater basin. The Livermore Valley groundwater basin is comprised of numerous groundwater subbasins. The Subject Site is located within the Mocho II subbasin. The Alameda County Flood Control and Water Conservation District, Zone 7 monitors numerous wells within the Mocho II subbasin as well as other subbasins for both water level and water quality. From their monitoring program, Zone 7 has also prepared water level contour maps. A copy of the water level contour map for Fall 1993 is presented as Figure 3.

In the central part of the Mocho II subbasin, where the site is located, groundwater was generally about 40 feet below the ground surface. The average groundwater gradient was about 1 percent. In the Mocho II subbasin a separate lower water surface also exists about 20 to 80 feet lower than the upper zone. The lower zone groundwater flow direction is toward the west.

FIELD SAMPLING AND ANALYSES

Based on the results of the aerial photograph review, review of Sanborn maps and prior information from the adjoining property to the west, Earth Technology performed a limited Phase II investigation. This part of the investigation was limited to collecting soil samples for chemical analyses from seven locations on the level portion of the parcel and two soil samples from the stockpiled materials. The purpose of the sampling was to collect soil samples as near as feasible to features determined to be significant in the above referenced sources.

Sample location B1 was selected due to the proximity of the buildings formerly located in this area. Boring B2 was placed near to where a dark linear feature was observed in the 1980 aerial photographs. Borings B3, B4 and B7 were located relatively parallel to the original alignment of the previous railroad tracks and in the area of a possible continuation of an oil pipeline known to have been formerly run east-west beneath the adjacent Mill Springs Park Apartments property. Boring B5 was selected in the vicinity of the previous lumber yard where Sanborn Maps indicated that paint storage was maintained. Boring B6 was placed in a topographically low point on the property where surface water runoff appears to collect and the ground was observed to be saturated at the time of our site reconnaissance.

Soil samples were collected using a hand auger and hand sampling equipment. Soil sampling, sample handling and transportation were performed in conformance with Standard Earth Technology Field Procedures. The sampling equipment was cleaned prior to initial use, between sample locations and at the completion of sampling. The cleaning/decontamination of the

equipment was accomplished by washing in water and non-phosphate detergent, followed by a double rinse in deionized water.

The approximate sample locations are shown on the Site Plan (Figure 2). The sample locations were determined based on tape measurements from existing surface features. These locations should be considered accurate only to the degree implied by the measurement method used. The soil samples were taken at depths of about 1 to 1.5 feet, from within a 3-inch hand-augered hole. They were collected in 2-inch by 6-inch stainless steel liners, protected on the ends with Teflon tape and plastic end caps. They were transported to the laboratory in plastic bags inside an ice-filled insulated cooler. A sample chain of custody form was completed and kept with the samples.

The soil samples were transported under chain-of-custody to a California certified laboratory. The two stockpile samples APL-SP-S1 and -S2 were composited by the laboratory into one sample. The soil samples were analyzed using the analytical procedures shown in Table 3.

Table 3 Soil Sample Analysis Matrix

	Analytical Procedure				
Sample Location	TPH-G EPA 8015	BTEX EPA 8020	TPH-Motor Oil EPA 8015M	Halocarbons EPA 8010	Title 26 Metals 6010/7000 Series
APL-B1-S1	X	X			
APL-B2-S1			X		
APL-B3-S1			X		
APL-B4-S1	X	X			
APL-B5-S1					X
APL-B6-S1	X	X		X	
APL-B7-S1			X		
APL-SP-S1,S2	X	X	X	X	X

The analytical results are shown in Table 4. All analytes not listed in Table 4 were not detected above the laboratory method detection limit. Copies of the chain of custody documents and laboratory reports are presented in Appendix C.

Table 4 Soil Sample Analytical Results

Sample Location	Depth (ft)	TPH Motor Oil (mg/kg)	Lead (mg/kg)**
APL-B2-S1	1	40	NA
APL-B3-S1	1.5	200	NA
APL-B5-S1	1	NA	45
APL-B7	1	20	NA
APL-SP-S1,S2	Stock-pile	10	66

Notes:

TPH Motor Oil - Total petroleum hydrocarbons quantitated against Motor Oil.

** All other metals analyzed were either not detected or detected in concentrations below the total threshold limit concentration and below ten times the soluble threshold limit concentration, as defined in California Code of Regulations Title 22, Section 66261.24.

CONCLUSIONS AND RECOMMENDATIONS

Conclusions

Based on the findings to date, Earth Technology has developed the following conclusions:

The Subject Site may contain subsurface septic systems remaining from the facilities installed before the municipal sewer system was constructed.

The Subject Site has two apparent electrical conduits protruding from the ground in the northern part of the site.

A stockpile of roughly 1,000 cubic yards of soil has been on the site for over a decade. The stockpile also contains treated wood and other debris.

The Subject Site may have potential environmental impairments, as indicted by the following:

- Total Petroleum Hydrocarbon as Motor Oil - The soil sample collected from location B3 in the central portion of the property was found to contain 200 ppm TPH as motor oil.

- Lead - The composite stockpile sample was found to contain 66 mg/Kg lead, which is more than 10 times the Soluble Threshold Limit Concentration (STLC) of 5 mg/Kg for lead as defined in Title 22. The "WET" test should be performed on the soil stockpile sample to determine if the soluble lead concentration exceeds the allowable STLC.

- Groundwater - There are two underground storage tank (UST) sites located within 1/8 mile in the regional upgradient direction. The gasoline station at the intersection of 1st Street and L Street reported a leak in 1988 that affected the groundwater. Also, EDR report indicates that the adjacent property to the south, Groth Bros. Oldsmobile, Inc. currently has four USTs. The 1944 Sanborn Map shows that the adjacent property had six tanks at that time. Any leaks from the current or former tanks could affect groundwater beneath the Subject Site.

? is this accurate
2 USTs removed
2 closed in place
where are the
2 UST?

Groundwater appears to flow generally to the northwest and is anticipated to be encountered at depths of about 40 feet below ground surface.

Potential exists for contamination from offsite sources both from surface transport and from groundwater transport. The southern portion of the Subject Site may have had some surface runoff from the adjacent automobile sales and maintenance and/or body shops. However, the absence of detectable TPH as gasoline, BTEX, or halocarbon solvents in the soil in the topographic low at location B6 does not indicate a significant amount of such runoff.

Recommendations

Based on the above conclusions, we recommend the following:

The lateral extent of motor oil contamination in the soil in the vicinity of sample B3 should be assessed. This would require two or three additional shallow soil samples.

The stockpile soil should be analyzed to determine the soluble lead concentration. If the soluble lead concentration exceeds the allowable STLC, the material may not be reused as fill and may require disposal as a hazardous waste. If the soluble lead concentration is below the allowable STLC, the material may be reused as fill on site, provided the debris and deleterious material are removed and the material meets geotechnical requirements for reuse as fill.

Geophysical methods should be used to trace the protruding pipes to their source and confirm their function.

If the site is to be graded, septic tanks and leach lines if found should be removed and closed in conformance with Alameda County requirements.

The regulatory agency files regarding groundwater contamination and remediation at 2008 1st Street should be reviewed to assess the possibility that groundwater beneath the Subject Site could have been affected.

LIMITATIONS

The information provided by agencies and individuals was used as reported. It is always possible that unknown, unreported activities could have caused on-site contamination not uncovered during this assessment. Chemical analyses of the soil samples were performed by others, not under direct Earth Technology supervision. Test results are reported as received.

The conclusions and recommendations presented herein represent professional opinions, which are based upon the interpretation of the data and findings identified in the report. The Earth Technology Corporation makes no warranty, either express or implied, as to its findings, opinions, recommendations, specifications, or professional advice except that these were promulgated after being prepared in accordance with generally accepted standards of care and diligence normally practiced by recognized consulting firms performing services of a similar nature.

If you have any questions, please contact the undersigned.

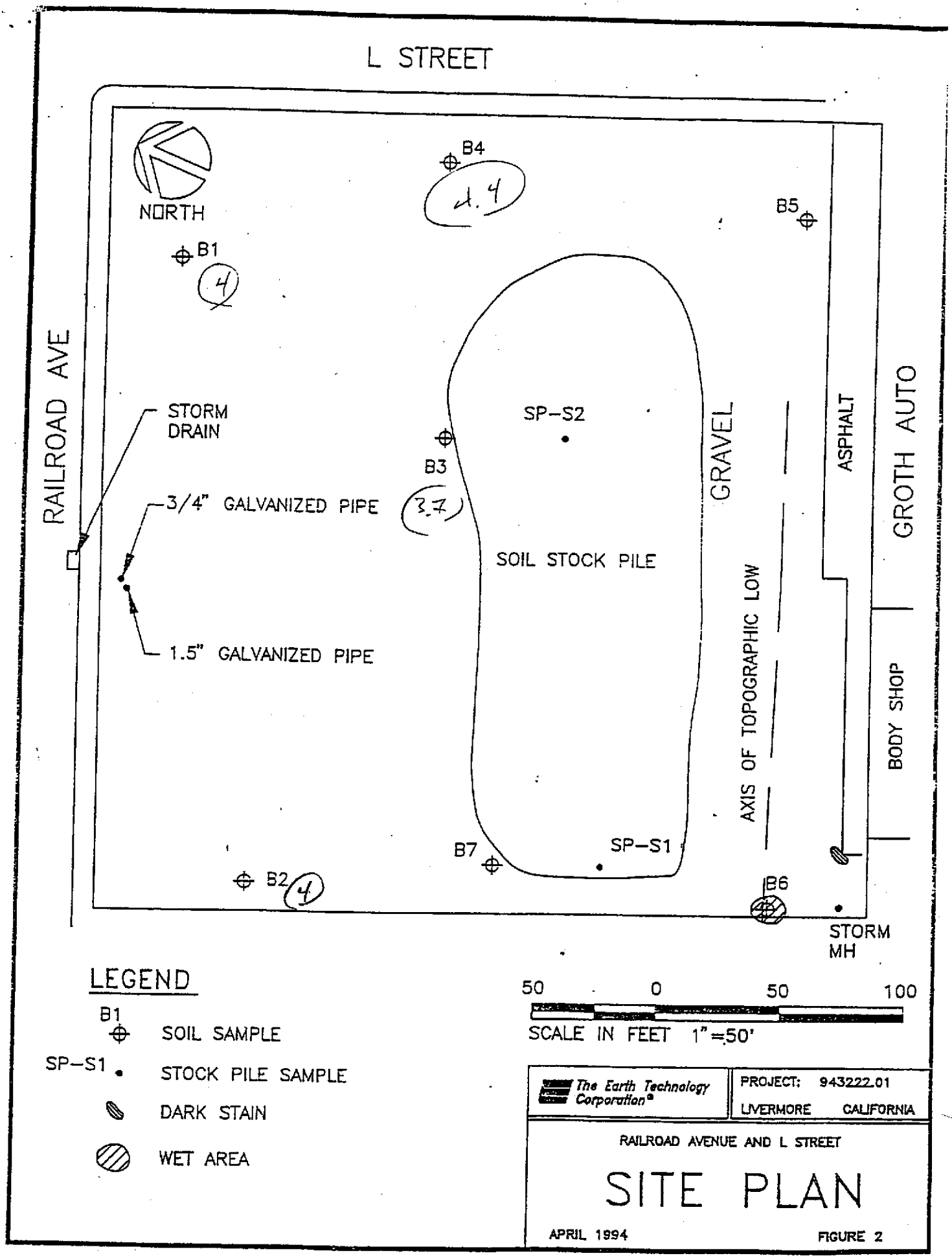
Sincerely,
THE EARTH TECHNOLOGY CORPORATION

Gail M. Jones, R.G.
Project Manager

Mark Milani, P.E.
Managing Senior Engineer

Enclosures:

Figure 1, Vicinity Map
Figure 2, Site Map
Figure 3, Groundwater Contour Map
Appendix A - Government Records Report, Environmental Data Resources, Inc.
Appendix B - Property Site Assessment Checklist
Appendix C - Chain of Custody Form and Laboratory Reports


L STREET
NORTH
B1
B2
B3
B4
B5
B6
B7
SP-S1
SP-S2
RAILROAD AVE
STORM DRAIN
3/4" GALVANIZED PIPE
1.5" GALVANIZED PIPE
SOIL STOCK PILE
GRAVEL
ASPHALT
GROTH AUTO
BODY SHOP
AXIS OF TOPOGRAPHIC LOW
STORM MH
4.4
4
3.7
4
LEGEND
B1 SOIL SAMPLE
SP-S1 STOCK PILE SAMPLE
DARK STAIN
WET AREA
50 0 50 100
SCALE IN FEET 1"=50'
The Earth Technology Corporation
PROJECT: 943222.01
LIVERMORE CALIFORNIA
RAILROAD AVENUE AND L STREET
SITE PLAN
APRIL 1994
FIGURE 2

APPENDIX F
ALAMEDA COUNTY ZONE 7 WATER AGENCY
DRILLING PERMIT

ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
5997 PARKSIDE DRIVE ♦ PLEASANTON, CALIFORNIA 94588-5127 ♦ PHONE (925) 484-2600 FAX (925) 462-3914

October 22, 2004

RECEIVED
OCT 25 2004
BY:_____

Ms. Melissa Pleva
Fugro West, Inc.
1000 Broadway, Suite 200
Oakland, CA 94607

Dear Ms. Pleva:

Enclosed is drilling permit 24129 for a contamination investigation at 57 and 59 South "L" Street in and for the City of Livermore. Also enclosed are current drilling permit applications for your files.

Please note that permit conditions A-2 and G requires that a report be submitted after completion of the work. The report should include drilling and completion logs, location sketch, permit number and any analysis of the soil and water samples. Please submit the original of your completion report. We will forward your submittal to the California Department of Water Resources.

If you have any questions, please contact me at extension 235 or Matt Katen at extension 234.

Sincerely,

Wyman Hong

Wyman Hong
Water Resources Specialist

Enc.

ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588-5127 VOICE (925) 484-2600 X235 FAX (925) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT Groth Bros. Chevrolet
5759 South L. Street

Coordinates Source topozone.com Accuracy± ft.
37.6817°N 121.7718°W ft.
APN 098040500400 / 098000300701

CLIENT
Name City of Livermore Economic Development Dept.
Address 1052 S. Livermore Ave Phone
City Livermore Zip

APPLICANT
Name FugroWest, Inc. / Melissa Plew
Fax 510.268.0137
Address 1000 Broadway, Ste 200 Phone 510.267.4459
City Oakland, CA Zip 94607

TYPE OF PROJECT:
Well Construction • • Geotechnical Investigation • •
Well Destruction • • (Contamination Investigation) • •
Cathodic Protection • • Other • •

PROPOSED WELL USE:
Domestic • • Irrigation • •
Municipal • • Remediation • •
Industrial • • Groundwater Monitoring • •
Dewatering • • Other • •

DRILLING METHOD:
Mud Rotary • • Air Rotary • • Hollow Stem Auger • •
Cable Tool • • (Direct Push) • • Other • •

DRILLING COMPANY Vironex
DRILLER'S LICENSE NO. C57 705927

WELL SPECIFICATIONS:
Drill Hole Diameter in. Maximum
Casing Diameter in. Depth ft.
Surface Seal Depth ft. Number

SOIL BORINGS:
Number of Borings 7 Maximum
Hole Diameter 2 in. Depth 8-30 ft.

ESTIMATED STARTING DATE 10/26/04
ESTIMATED COMPLETION DATE 10/26/04

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

APPLICANT'S SIGNATURE Melissa Plew Date 10/19/04

ATTACH SITE PLAN OR SKETCH

FOR OFFICE USE

PERMIT NUMBER 24129
WELL NUMBER
APN 97-0001-026-01 & 97-0001-026-02

PERMIT CONDITIONS

Circled Permit Requirements Apply

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

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

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

F. WELL DESTRUCTION. See attached.

(G.) SPECIAL CONDITIONS: Submit to Zone 7 within 60 days after completion of permitted work the well installation report **including all soil and water laboratory analysis results.**

Approved Wyman Hong Date 10/22/04
Wyman Hong

APPENDIX G
LOG OF TEST BORINGS

Project No. 1121.007

MAJOR DIVISIONS			GROUP NAMES		
COARSE-GRAINED SOILS More than 50% retained on the No. 200 sieve	GRAVELS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	Clean gravels less than 5% fines	GW		Well-Graded Gravel
			GP		Poorly Graded Gravel
		Gravels with more than 12% fines	GM		Silty Gravel
			GC		Clayey Gravel
	SANDS MORE THAN 50% OF COARSE FRACTION PASSING NO. 4 SIEVE	Clean sand less than 5% fines	SW		Well-Graded Sand
			SP		Poorly Graded Sand
		Sands with more than 12% fines	SM		Silty Sand
			SC		Clayey Sand
FINE-GRAINED SOILS 50% or more passes the No. 200 sieve	SILTS AND CLAYS Liquid Limit Less than 50%		ML		Silt
			CL		Lean Clay
			OL		Organic Silt
	SILTS AND CLAYS Liquid Limit Greater than 50%		MH		Elastic Silt
			CH		Fat Clay
			OH		Organic Clay
HIGHLY ORGANIC SOILS			PT		Peat or Highly Organic Soils
			FILL		Debris or Mixed Fill

GENERAL NOTES

Classification of Soils per ASTM D2487 or D2488

Geologic Formation noted in bold font at the top of interpreted interval

Sloped line in break column indicates transitional boundary

Blow counts for California Liner Sampler shown in ( )

Length of sample symbol approximates recovery length

SAMPLER DRIVING RESISTANCE

Number of blows with 140 lb. hammer, falling 30-in. to drive sampler 1-ft. after seating sampler 6-in.; for example,

Blows/ft	Description
25	25 blows drove sampler 12" after initial 6" of seating
50/7"	50 blows drove sampler 7" after initial 6" of seating
Ref/3"	50 blows drove sampler 3" during initial 6" seating interval

STRENGTH TEST METHOD

U = Unconfined Compression
Q = Unconsolidated Undrained Triaxial
T = Torvane
P = Pocket Penetrometer
M = Miniature Vane
F = Field Vane

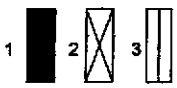
OTHER TESTS

k = Permeability
Consol = Consolidation
Gs = Specific Gravity
MA = Particle Size Analysis
EI = Expansion Index
OVM = Organic Vapor Measurement

WATER LEVEL SYMBOLS

- ▽ Initial or perched water level
- ▼ Final ground water level
- ∿ Seepages encountered

SAMPLE RECOVERY



Sample recovery (unless otherwise noted in report text) are as follows:

1 Sample was recovered and retained

2 Sample was recovered, but not retained

3 No recovery

SOIL STRUCTURE

Fissured: Containing shrinkage or relief cracks, often filled with fine sand or silt, usually more or less vertical.

Pocket: Inclusion of material of different texture that is smaller than the diameter of the sample.

Parting: Inclusion less than 1/8 inch thick extending through the sample.

Seam: Inclusion 1/8 inch to 3 inches thick extending through the sample.

Layer: Inclusion greater than 3 inches thick extending through the sample.

Laminated: Soil sample composed of alternating partings or seams of different soil types.

Interlayered: Soil sample composed of alternating layers of different soil type.

Intermixed: Soil sample composed of pockets of different soil type, and layered or laminated structure is not evident.

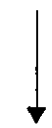
CONSISTENCY

Clays	Blows/Foot SPT	Undrained Shear Strength (ksf)
Very Soft	0 - 2	0 - 0.25
Soft	3 - 4	0.25 - 0.5
Firm	5 - 8	0.5 - 1
Stiff	9 - 16	1 - 2
Very Stiff	17 - 32	2 - 4
Hard	Over 32	Over 4

RELATIVE DENSITY

Sands and Gravels	Blows/Foot SPT
Very Loose	0 - 4
Loose	4 - 10
Medium Dense	11 - 30
Dense	31 - 50
Very Dense	Over 50

INCREASING VISUAL MOISTURE CONTENT

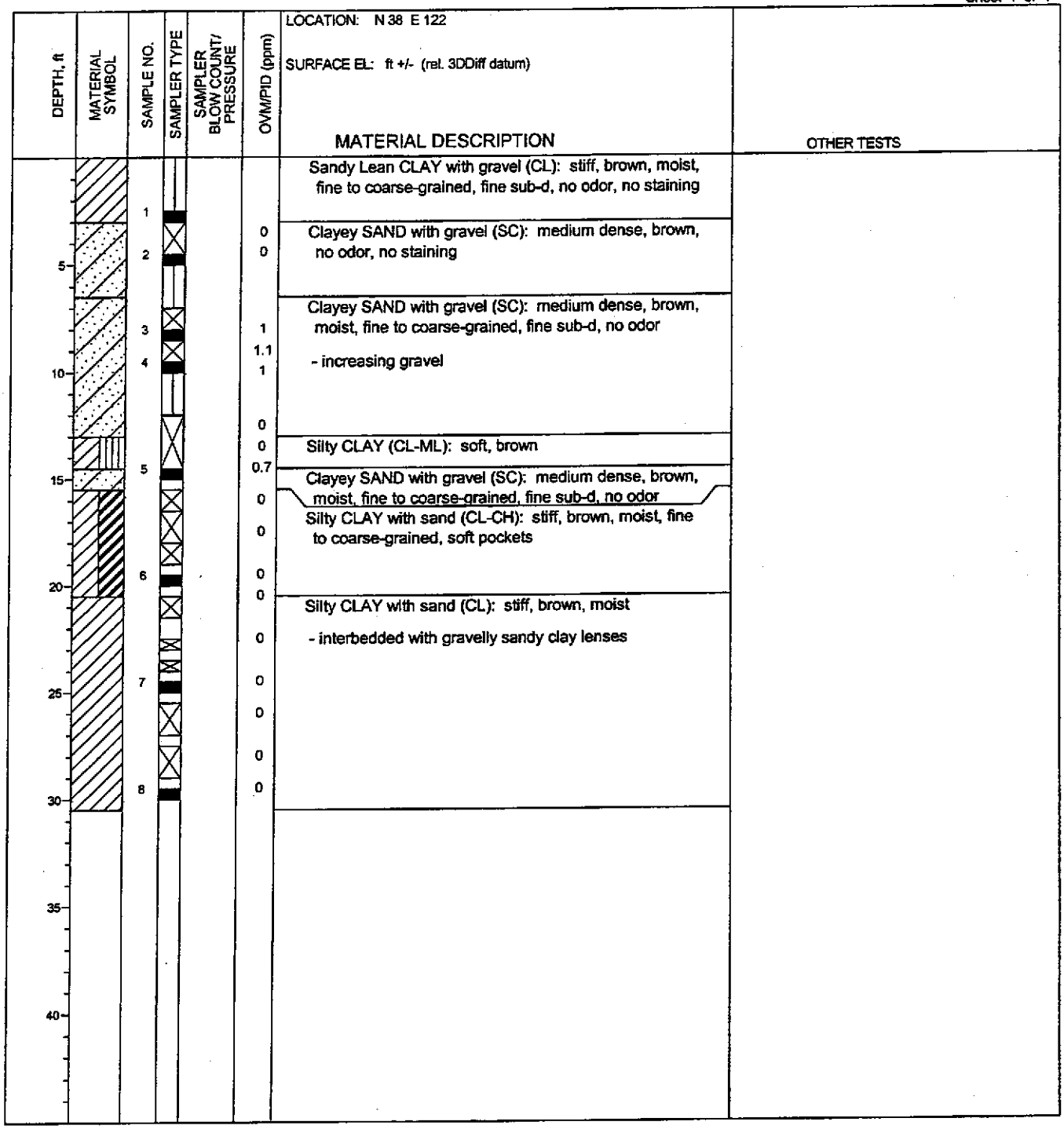


Information on each boring log is a compilation of subsurface conditions and soil or rock classifications obtained from the field as well as from laboratory testing of samples. Strata have been interpreted by commonly accepted procedures. The stratum lines on the logs may be transitional and approximate in nature. Water level measurements refer only to those observed at the time and places indicated, and can vary with time, geologic condition, or construction activity.

TERMS AND SYMBOLS USED ON BORING LOGS

PLATE G-1

Project No. 1121.007



BORING DEPTH: 30.0 ft
DEPTH TO WATER: Not encountered
BACKFILL: Grout
COMPLETION DATE: October 26, 2004
NOTES: 1. Terms and symbols defined on Plate A-1.

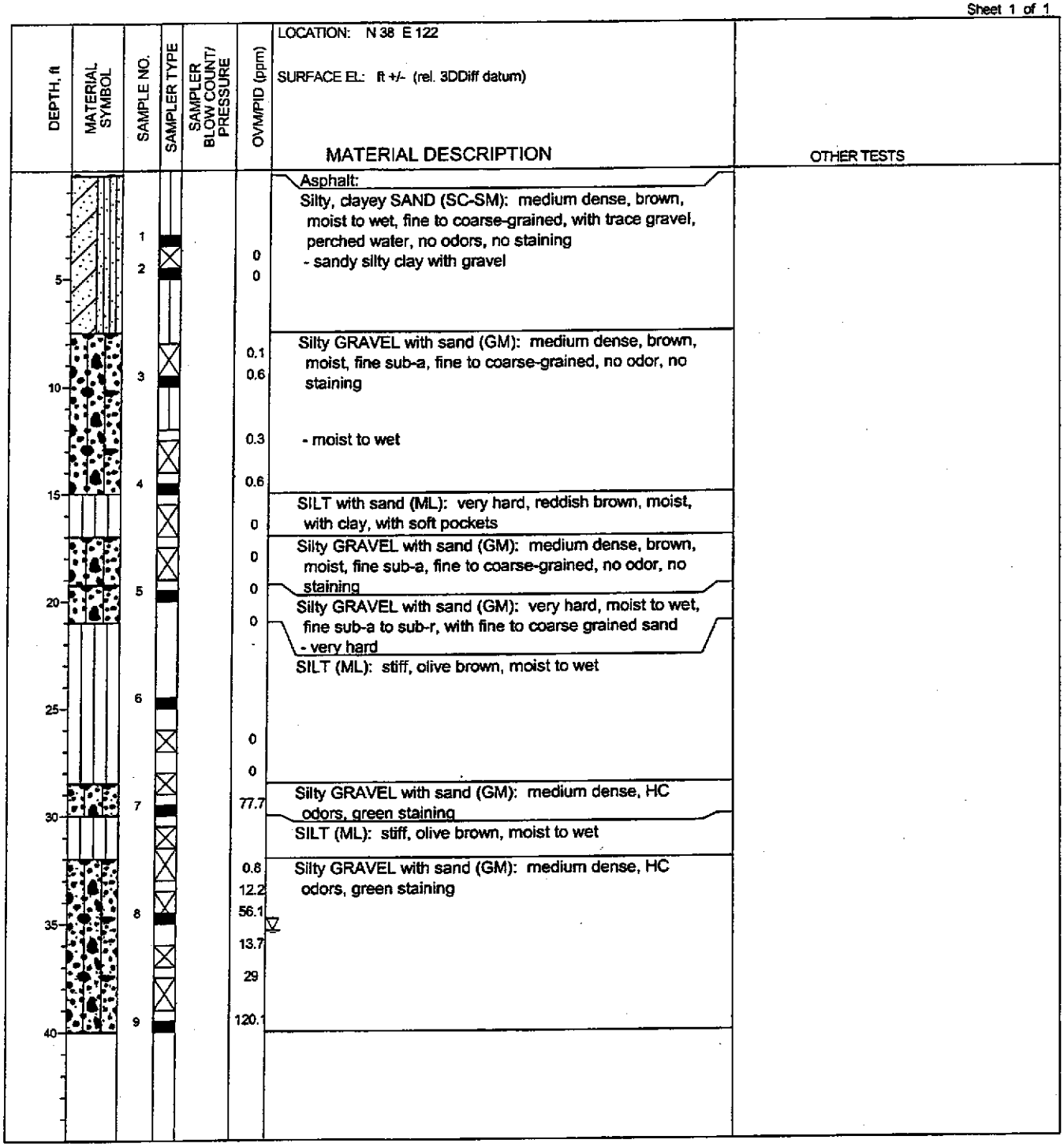
DRILLING METHOD: 2-in. dia. Direct Push

RIG TYPE: Geoprobe
DRILLED BY: Vironex, Tim Shane
LOGGED BY: M Pleva

LOG OF GROTH-1

Groth Brothers Chevrolet
Livermore, California

Project No. 1121.007



BORING DEPTH: 40.0 ft
DEPTH TO WATER: 35.3 ft
BACKFILL: Grout
COMPLETION DATE: October 26, 2004
NOTES: 1. Terms and symbols defined on Plate A-1.
Water had HC odor and sheen.

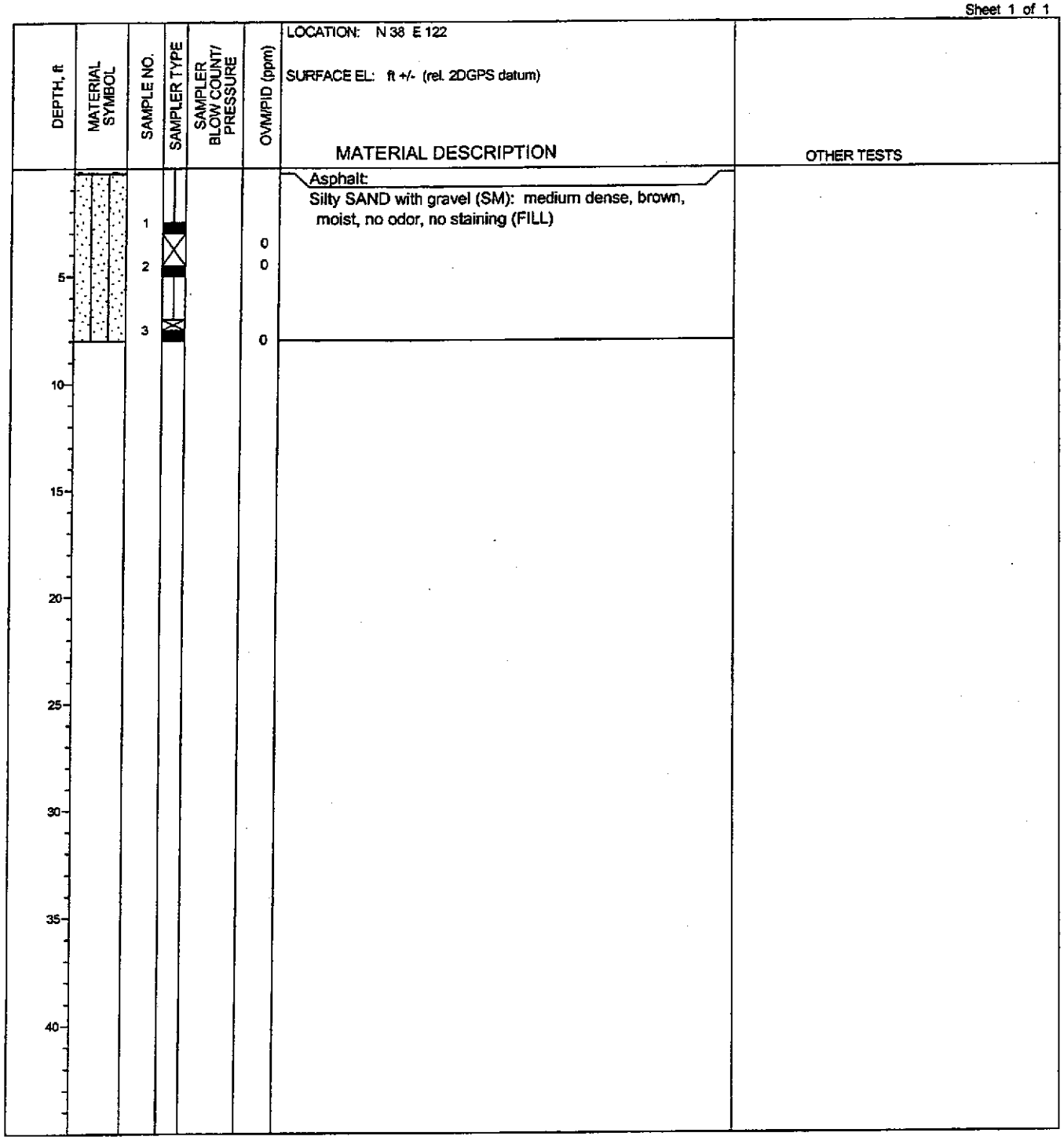
DRILLING METHOD: 2-in. dia. Direct Push

RIG TYPE: Geoprobe
DRILLED BY: Vironex, Tim Shane
LOGGED BY: M Pleva

LOG OF GROTH-2

Groth Brothers Chevrolet
Livermore, California

Project No. 1121.007



BORING DEPTH: 8.0 ft
DEPTH TO WATER: Not encountered
BACKFILL: Grout
COMPLETION DATE: October 26, 2004
NOTES: 1. Terms and symbols defined on Plate A-1.
Ground water @ 35.65' in MW-1 (2"). 3 vol = 4 gal.

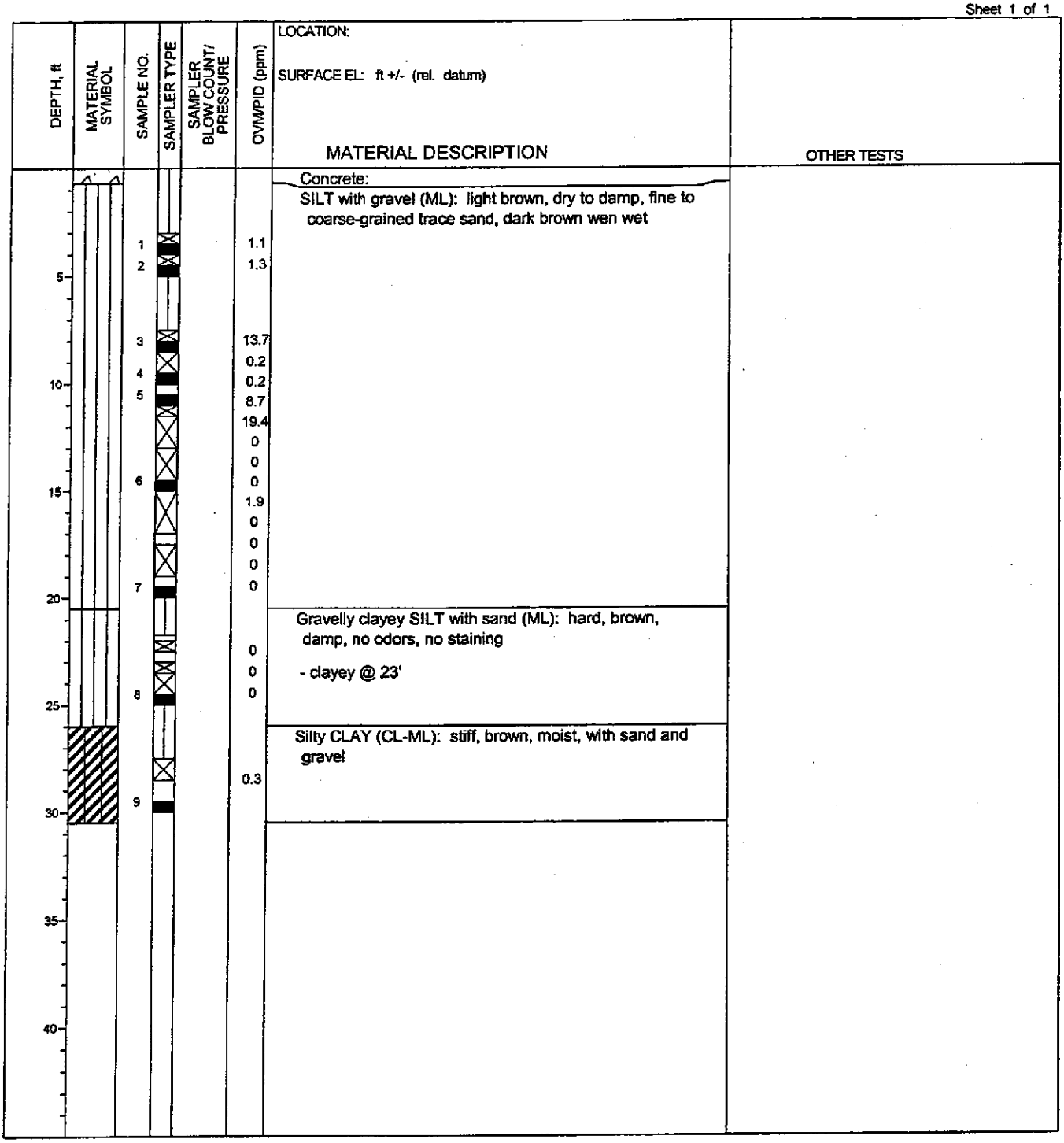
DRILLING METHOD: 2-in. dia. Direct Push

RIG TYPE: Geoprobe
DRILLED BY: Vironex, Tim Shane
LOGGED BY: M Pleva

LOG OF GROTH-3

Groth Brothers Chevrolet
Livermore, California

Project No. 1121.007



BORING DEPTH: 40.0 ft
DEPTH TO WATER: Not encountered
BACKFILL: Grout
COMPLETION DATE: October 26, 2004
NOTES: 1. Terms and symbols defined on Plate A-1.
Could not advance sampler, went to 40' using hydropunch.

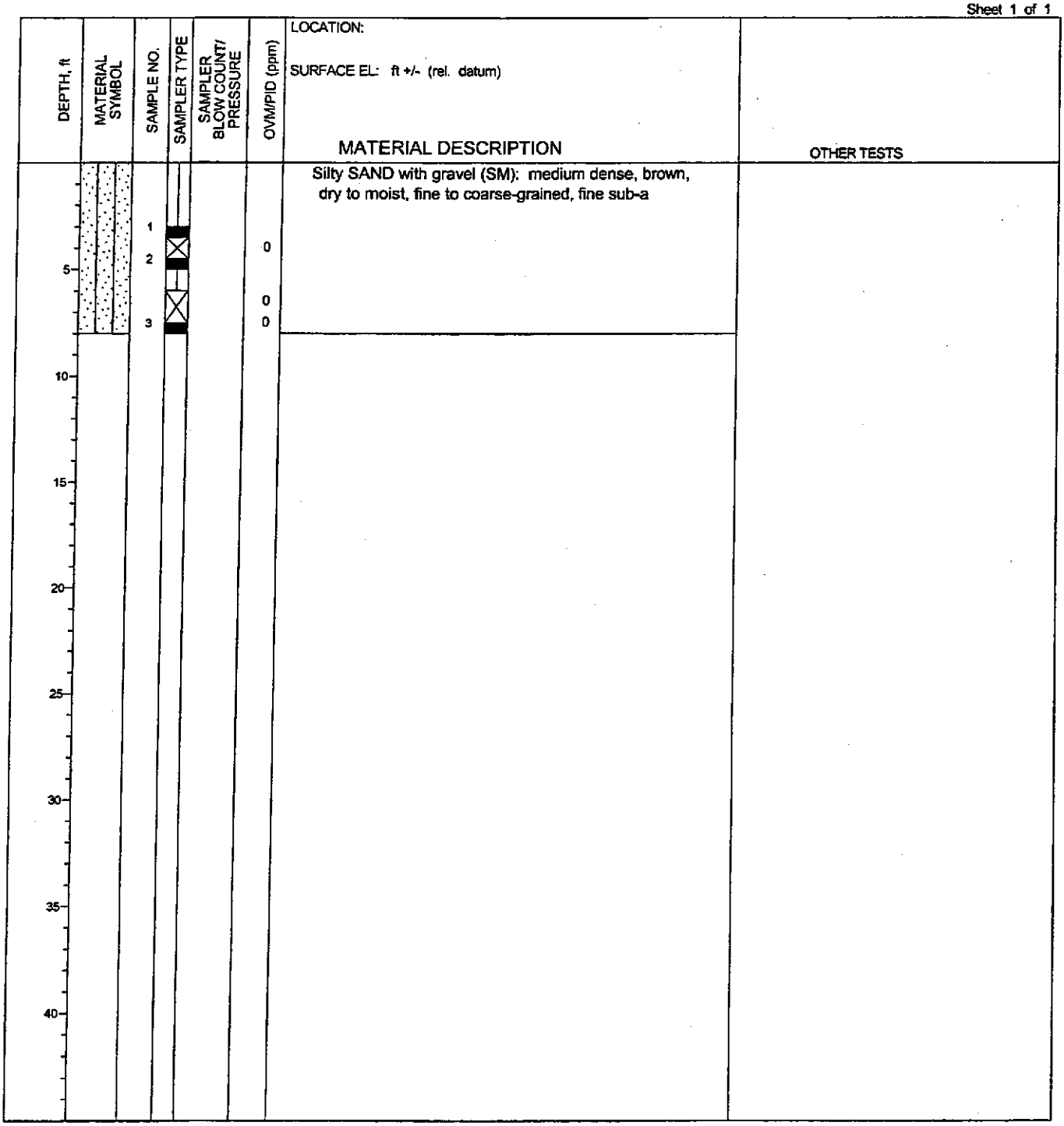
DRILLING METHOD: 2-in. dia. Direct Push

RIG TYPE: Geoprobe
DRILLED BY: Vironex, Tim Shane
LOGGED BY: M Pleva

LOG OF GROTH-4

Groth Brothers Chevrolet
Livermore, California

Project No. 1121.007



BORING DEPTH: 8.0 ft
DEPTH TO WATER: Not encountered
BACKFILL: Grout
COMPLETION DATE: October 26, 2004
NOTES: 1. Terms and symbols defined on Plate A-1.

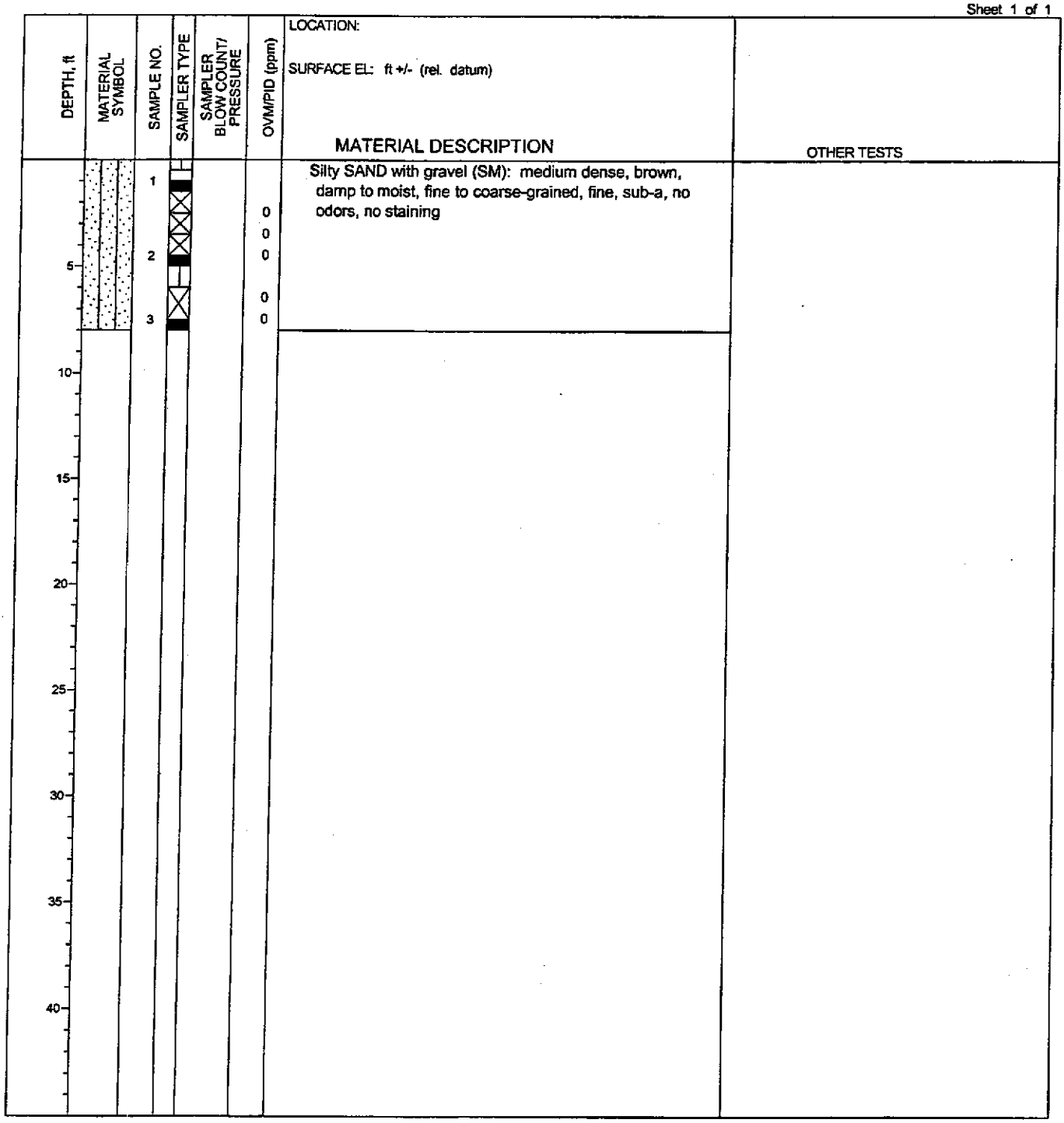
DRILLING METHOD: 2-in. dia. Direct Push

RIG TYPE: Geoprobe
DRILLED BY: Vironex, Tim Shane
LOGGED BY: M Pleva

LOG OF GROTH-5

Groth Brothers Chevrolet
Livermore, California

Project No. 1121.007



BORING DEPTH: 8.0 ft
DEPTH TO WATER: Not encountered
BACKFILL: Grout
COMPLETION DATE: October 26, 2004
NOTES: 1. Terms and symbols defined on Plate A-1.

DRILLING METHOD: 2-in. dia. Direct Push

RIG TYPE: Geoprobe
DRILLED BY: Vironex, Tim Shane
LOGGED BY: M Pleva

LOG OF GROTH-6

Groth Brothers Chevrolet
Livermore, California

APPENDIX H
CHEMICAL LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

SEVERN TRENT STL

Submission#: 2004-10-0843

Fugro

November 05, 2004

1000 Broadway Suite 200
Oakland, CA 94607

Attn.: Melissa Pleva

Project#: 1121.006
Project: Groth Bros. Chevrolet

Attached is our report for your samples received on 10/27/2004 11:35
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 12/11/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

Submission: 2004-10-0843

Halogenated Volatile Organic Compounds by 8021B/8260B

Fugro
Attn.: Melissa Pleva

1000 Broadway Suite 200
Oakland, CA 94607
Phone: (510) 268-0461 Fax: (510) 268-0137

Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
GROTH-3@8.0`	10/26/2004 09:15	Soil	3
GROTH-1@8.5`	10/26/2004 09:55	Soil	6
GROTH-2@10.0`	10/26/2004 11:30	Soil	14
GROTH-2@30.0`	10/26/2004 12:15	Soil	18
GROTH-4@11.0`	10/26/2004 15:00	Soil	25
GROTH-5@3.5`	10/26/2004 16:55	Soil	30
GROTH-6@1.0`	10/26/2004 17:15	Soil	33

Halogenated Volatile Organic Compounds by 8021B/8260B

Fugro

Attn.: Melissa Pleva

1000 Broadway Suite 200
Oakland, CA 94607
Phone: (510) 268-0461 Fax: (510) 268-0137

Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Prep(s):	5030B/5035	Test(s):	8260B
Sample ID:	GROTH-3@8.0	Lab ID:	2004-10-0843-3
Sampled:	10/26/2004 09:15	Extracted:	10/29/2004 13:41
Matrix:	Soil	QC Batch#:	2004/10/29-1A.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/29/2004 13:41	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
Chloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
Methylene chloride	ND	10	ug/Kg	1.00	10/29/2004 13:41	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
Chloroform	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
Bromoform	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
Chloromethane	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	
Bromomethane	ND	5.0	ug/Kg	1.00	10/29/2004 13:41	

Halogenated Volatile Organic Compounds by 8021B/8260B

Fugro

Attn.: Melissa Pleva

1000 Broadway Suite 200
Oakland, CA 94607
Phone: (510) 268-0461 Fax: (510) 268-0137

Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Prep(s):	5030B/5035	Test(s):	8260B
Sample ID:	GROTH-3@8.0'	Lab ID:	2004-10-0843 - 3
Sampled:	10/26/2004 09:15	Extracted:	10/29/2004 13:41
Matrix:	Soil	QC Batch#:	2004/10/29-1A.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Surrogate(s)						
4-Bromofluorobenzene	96.0	74-121	%	1.00	10/29/2004 13:41	
1,2-Dichloroethane-d4	91.4	70-121	%	1.00	10/29/2004 13:41	
Toluene-d8	99.7	81-117	%	1.00	10/29/2004 13:41	

Halogenated Volatile Organic Compounds by 8021B/8260B

Fugro
Attn.: Melissa Pleva

1000 Broadway Suite 200
Oakland, CA 94607
Phone: (510) 268-0461 Fax: (510) 268-0137

Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Prep(s):	5030B/5035	Test(s):	8260B
Sample ID:	GROTH-1@8.5	Lab ID:	2004-10-0843 - 6
Sampled:	10/26/2004 09:55	Extracted:	10/29/2004 14:14
Matrix:	Soil	QC Batch#:	2004/10/29-1A.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/29/2004 14:14	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
Chloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
Methylene chloride	ND	10	ug/Kg	1.00	10/29/2004 14:14	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
Chloroform	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
Bromoform	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
Chloromethane	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	
Bromomethane	ND	5.0	ug/Kg	1.00	10/29/2004 14:14	

Halogenated Volatile Organic Compounds by 8021B/8260B

Fugro

Attn.: Melissa Pleva

1000 Broadway Suite 200
Oakland, CA 94607
Phone: (510) 268-0461 Fax: (510) 268-0137

Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Prep(s):	5030B/5035	Test(s):	8260B
Sample ID:	GROTH-1@8.5	Lab ID:	2004-10-0843 - 6
Sampled:	10/26/2004 09:55	Extracted:	10/29/2004 14:14
Matrix:	Soil	QC Batch#:	2004/10/29-1A.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Surrogate(s)						
4-Bromofluorobenzene	99.0	74-121	%	1.00	10/29/2004 14:14	
1,2-Dichloroethane-d4	98.9	70-121	%	1.00	10/29/2004 14:14	
Toluene-d8	99.9	81-117	%	1.00	10/29/2004 14:14	

Halogenated Volatile Organic Compounds by 8021B/8260B

Fugro
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Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Prep(s):	5030B/5035	Test(s):	8260B
Sample ID:	GROTH-2@10.0	Lab ID:	2004-10-0843 - 14
Sampled:	10/26/2004 11:30	Extracted:	10/29/2004 14:48
Matrix:	Soil	QC Batch#:	2004/10/29-1A.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/29/2004 14:48	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
Chloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
Methylene chloride	ND	10	ug/Kg	1.00	10/29/2004 14:48	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
Chloroform	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
Bromoform	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
Chloromethane	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	
Bromomethane	ND	5.0	ug/Kg	1.00	10/29/2004 14:48	

Halogenated Volatile Organic Compounds by 8021B/8260B

Fugro

Attn.: Melissa Pleva

1000 Broadway Suite 200
Oakland, CA 94607
Phone: (510) 268-0461 Fax: (510) 268-0137

Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Prep(s):	5030B/5035	Test(s):	8260B
Sample ID:	GROTH-2@10.0	Lab ID:	2004-10-0843 - 14
Sampled:	10/26/2004 11:30	Extracted:	10/29/2004 14:48
Matrix:	Soil	QC Batch#:	2004/10/29-1A.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Surrogate(s)						
4-Bromofluorobenzene	99.3	74-121	%	1.00	10/29/2004 14:48	
1,2-Dichloroethane-d4	101.5	70-121	%	1.00	10/29/2004 14:48	
Toluene-d8	99.6	81-117	%	1.00	10/29/2004 14:48	

Halogenated Volatile Organic Compounds by 8021B/8260B

Fugro

Attn.: Melissa Pleva

1000 Broadway Suite 200
Oakland, CA 94607
Phone: (510) 268-0461 Fax: (510) 268-0137

Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Prep(s): 5030B/5035 Test(s): 8260B
Sample ID: GROTH-2@30.0 Lab ID: 2004-10-0843 - 18
Sampled: 10/26/2004 12:15 Extracted: 10/29/2004 19:25
Matrix: Soil QC Batch#: 2004/10/29-1A.71
Analysis Flag: L1 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	42	ug/Kg	4.17	10/29/2004 19:25	
Vinyl chloride	ND	21	ug/Kg	4.17	10/29/2004 19:25	
Chloroethane	ND	21	ug/Kg	4.17	10/29/2004 19:25	
Trichlorofluoromethane	ND	21	ug/Kg	4.17	10/29/2004 19:25	
1,1-Dichloroethene	ND	21	ug/Kg	4.17	10/29/2004 19:25	
Methylene chloride	ND	42	ug/Kg	4.17	10/29/2004 19:25	
trans-1,2-Dichloroethene	ND	21	ug/Kg	4.17	10/29/2004 19:25	
cis-1,2-Dichloroethene	ND	21	ug/Kg	4.17	10/29/2004 19:25	
1,1-Dichloroethane	ND	21	ug/Kg	4.17	10/29/2004 19:25	
Chloroform	ND	21	ug/Kg	4.17	10/29/2004 19:25	
1,1,1-Trichloroethane	ND	21	ug/Kg	4.17	10/29/2004 19:25	
Carbon tetrachloride	ND	21	ug/Kg	4.17	10/29/2004 19:25	
1,2-Dichloroethane	ND	21	ug/Kg	4.17	10/29/2004 19:25	
Trichloroethene	ND	21	ug/Kg	4.17	10/29/2004 19:25	
1,2-Dichloropropane	ND	21	ug/Kg	4.17	10/29/2004 19:25	
Bromodichloromethane	ND	21	ug/Kg	4.17	10/29/2004 19:25	
trans-1,3-Dichloropropene	ND	21	ug/Kg	4.17	10/29/2004 19:25	
cis-1,3-Dichloropropene	ND	21	ug/Kg	4.17	10/29/2004 19:25	
1,1,2-Trichloroethane	ND	21	ug/Kg	4.17	10/29/2004 19:25	
Tetrachloroethene	ND	21	ug/Kg	4.17	10/29/2004 19:25	
Dibromochloromethane	ND	21	ug/Kg	4.17	10/29/2004 19:25	
Chlorobenzene	ND	21	ug/Kg	4.17	10/29/2004 19:25	
Bromoform	ND	21	ug/Kg	4.17	10/29/2004 19:25	
1,1,2,2-Tetrachloroethane	ND	21	ug/Kg	4.17	10/29/2004 19:25	
1,3-Dichlorobenzene	ND	21	ug/Kg	4.17	10/29/2004 19:25	
1,4-Dichlorobenzene	ND	21	ug/Kg	4.17	10/29/2004 19:25	
1,2-Dichlorobenzene	ND	21	ug/Kg	4.17	10/29/2004 19:25	
Trichlorotrifluoroethane	ND	21	ug/Kg	4.17	10/29/2004 19:25	
Chloromethane	ND	21	ug/Kg	4.17	10/29/2004 19:25	

Halogenated Volatile Organic Compounds by 8021B/8260B

Fugro

Attn.: Melissa Pleva

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Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Prep(s): 5030B/5035 Test(s): 8260B
Sample ID: GROTH-2@30.0 Lab ID: 2004-10-0843-18
Sampled: 10/26/2004 12:15 Extracted: 10/29/2004 19:25
Matrix: Soil QC Batch#: 2004/10/29-1A.71
Analysis Flag: L1 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Bromomethane	ND	21	ug/Kg	4.17	10/29/2004 19:25	
Surrogate(s)						
4-Bromofluorobenzene	95.9	74-121	%	4.17	10/29/2004 19:25	
1,2-Dichloroethane-d4	94.0	70-121	%	4.17	10/29/2004 19:25	
Toluene-d8	98.9	81-117	%	4.17	10/29/2004 19:25	

Halogenated Volatile Organic Compounds by 8021B/8260B

Fugro

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Project: 1121.006
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Received: 10/27/2004 11:35

Prep(s):	5030B/5035	Test(s):	8260B
Sample ID:	GROTH-4@11.0	Lab ID:	2004-10-0843 - 25
Sampled:	10/26/2004 15:00	Extracted:	10/29/2004 15:21
Matrix:	Soil	QC Batch#:	2004/10/29-1A.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/29/2004 15:21	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
Chloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
Methylene chloride	ND	10	ug/Kg	1.00	10/29/2004 15:21	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
Chloroform	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
Bromoform	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
Chloromethane	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	
Bromomethane	ND	5.0	ug/Kg	1.00	10/29/2004 15:21	

Halogenated Volatile Organic Compounds by 8021B/8260B

Fugro

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Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Prep(s):	5030B/5035	Test(s):	8260B
Sample ID:	GROTH-5@3.5'	Lab ID:	2004-10-0843 - 30
Sampled:	10/26/2004 16:55	Extracted:	10/29/2004 15:56
Matrix:	Soil	QC Batch#:	2004/10/29-1A.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Surrogate(s)						
4-Bromofluorobenzene	102.5	74-121	%	1.00	10/29/2004 15:56	
1,2-Dichloroethane-d4	103.7	70-121	%	1.00	10/29/2004 15:56	
Toluene-d8	98.9	81-117	%	1.00	10/29/2004 15:56	

Halogenated Volatile Organic Compounds by 8021B/8260B

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Project: 1121.006
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Received: 10/27/2004 11:35

Prep(s): 5030B/5035 Test(s): 8260B
Sample ID: GROTH-6@1.0' Lab ID: 2004-10-0843 - 33
Sampled: 10/26/2004 17:15 Extracted: 10/29/2004 16:29
Matrix: Soil QC Batch#: 2004/10/29-1A.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	10/29/2004 16:29	
Vinyl chloride	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
Chloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
Methylene chloride	ND	10	ug/Kg	1.00	10/29/2004 16:29	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
Chloroform	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
Trichloroethene	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
Chlorobenzene	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
Bromoform	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
Chloromethane	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	
Bromomethane	ND	5.0	ug/Kg	1.00	10/29/2004 16:29	

Halogenated Volatile Organic Compounds by 8021B/8260B

Fugro

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Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Prep(s):	5030B/5035	Test(s):	8260B
Sample ID:	GROTH-6@1.0	Lab ID:	2004-10-0843 - 33
Sampled:	10/26/2004 17:15	Extracted:	10/29/2004 16:29
Matrix:	Soil	QC Batch#:	2004/10/29-1A.71

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Surrogate(s)						
4-Bromofluorobenzene	109.8	74-121	%	1.00	10/29/2004 16:29	
1,2-Dichloroethane-d4	102.1	70-121	%	1.00	10/29/2004 16:29	
Toluene-d8	97.5	81-117	%	1.00	10/29/2004 16:29	

Halogenated Volatile Organic Compounds by 8021B/8260B

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Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 5030B/5035 — Test(s): 8260B
Method Blank — Soil — **QC Batch # 2004/10/29-1A.71**
MB: 2004/10/29-1A.71-039 — Date Extracted: 10/29/2004 09:39

Compound	Conc.	RL	Unit	Analyzed	Flag
Bromodichloromethane	ND	5.0	ug/Kg	10/29/2004 09:39	
Bromoform	ND	5.0	ug/Kg	10/29/2004 09:39	
Bromomethane	ND	5.0	ug/Kg	10/29/2004 09:39	
Carbon tetrachloride	ND	5.0	ug/Kg	10/29/2004 09:39	
Chlorobenzene	ND	5.0	ug/Kg	10/29/2004 09:39	
Chloroethane	ND	5.0	ug/Kg	10/29/2004 09:39	
Chloroform	ND	5.0	ug/Kg	10/29/2004 09:39	
Chloromethane	ND	5.0	ug/Kg	10/29/2004 09:39	
Dibromochloromethane	ND	5.0	ug/Kg	10/29/2004 09:39	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	10/29/2004 09:39	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	10/29/2004 09:39	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	10/29/2004 09:39	
Dichlorodifluoromethane	ND	10.0	ug/Kg	10/29/2004 09:39	
1,1-Dichloroethane	ND	5.0	ug/Kg	10/29/2004 09:39	
1,2-Dichloroethane	ND	5.0	ug/Kg	10/29/2004 09:39	
1,1-Dichloroethene	ND	5.0	ug/Kg	10/29/2004 09:39	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	10/29/2004 09:39	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	10/29/2004 09:39	
1,2-Dichloropropane	ND	5.0	ug/Kg	10/29/2004 09:39	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	10/29/2004 09:39	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	10/29/2004 09:39	
Methylene chloride	ND	10.0	ug/Kg	10/29/2004 09:39	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	10/29/2004 09:39	
Tetrachloroethene	ND	5.0	ug/Kg	10/29/2004 09:39	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	10/29/2004 09:39	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	10/29/2004 09:39	
Trichloroethene	ND	5.0	ug/Kg	10/29/2004 09:39	
Trichlorofluoromethane	ND	5.0	ug/Kg	10/29/2004 09:39	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	10/29/2004 09:39	
Vinyl chloride	ND	5.0	ug/Kg	10/29/2004 09:39	

Halogenated Volatile Organic Compounds by 8021B/8260B

Fugro

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Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 5030B/5035 Test(s): 8260B

Method Blank **Soil** **QC Batch # 2004/10/29-1A.71**

MB: 2004/10/29-1A.71-039 Date Extracted: 10/29/2004 09:39

Compound	Conc.	RL	Unit	Analyzed	Flag
Surrogates(s)					
4-Bromofluorobenzene	96.8	74-121	%	10/29/2004 09:39	
1,2-Dichloroethane-d4	108.9	70-121	%	10/29/2004 09:39	
Toluene-d8	101.5	81-117	%	10/29/2004 09:39	

Halogenated Volatile Organic Compounds by 8021B/8260B

Fugro

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Project: 1121.006
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Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 5030B/5035 Test(s): 8260B

Laboratory Control Spike Soil **QC Batch # 2004/10/29-1A.71**

LCS 2004/10/29-1A.71-005 Extracted: 10/29/2004 Analyzed: 10/29/2004 09:05

LCSD

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Chlorobenzene	112		100	112.0			61-121	20		
1,1-Dichloroethene	112		100	112.0			65-125	20		
Trichloroethene	105		100	105.0			74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	480		500	96.0			74-121			
1,2-Dichloroethane-d4	493		500	98.6			70-121			
Toluene-d8	505		500	101.0			81-117			

SEVERN TRENT STL

Submission: 2004-10-0843

Gas/BTEX Compounds by 8015M/8021

Fugro
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Phone: (510) 268-0461 Fax: (510) 268-0137

Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
GROTH-3@8.0`	10/26/2004 09:15	Soil	3
GROTH-1@8.5`	10/26/2004 09:55	Soil	6
GROTH-2@10.0`	10/26/2004 11:30	Soil	14
GROTH-5@3.5`	10/26/2004 16:55	Soil	30

Gas/BTEX Compounds by 8015M/8021

Fugro

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Project: 1121.006
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Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 5035
5035
Method Blank
MB: 2004/10/31-01.01-003

Soil

Test(s): 8015M
8021B
QC Batch # 2004/10/31-01.01
Date Extracted: 10/31/2004 12:54

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	10/31/2004 12:54	
Benzene	ND	0.0050	mg/Kg	10/31/2004 12:54	
Toluene	ND	0.0050	mg/Kg	10/31/2004 12:54	
Ethyl benzene	ND	0.0050	mg/Kg	10/31/2004 12:54	
Xylene(s)	ND	0.0050	mg/Kg	10/31/2004 12:54	
MTBE	ND	0.0050	mg/Kg	10/31/2004 12:54	
Surrogates(s)					
Trifluorotoluene	103.6	53-125	%	10/31/2004 12:54	
4-Bromofluorobenzene-FID	90.9	58-124	%	10/31/2004 12:54	

Gas/BTEX Compounds by 8015M/8021

Fugro

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Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 5035 Test(s): 8021B

Laboratory Control Spike Soil **QC Batch # 2004/10/31-01.01**

LCS 2004/10/31-01.01-004 Extracted: 10/31/2004 Analyzed: 10/31/2004 13:28
LCSD

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	0.109		0.1000	109.0			77-123	35		
Toluene	0.105		0.1000	105.0			78-122	35		
Ethyl benzene	0.112		0.1000	112.0			70-130	35		
Xylene(s)	0.331		0.300	110.3			75-125	35		
Surrogates(s)										
Trifluorotoluene	551		500	110.2			53-125			

Gas/BTEX Compounds by 8015M/8021

Fugro

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Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 5035 Test(s): 8015M

Laboratory Control Spike **Soil** **QC Batch # 2004/10/31-01.01**

LCS 2004/10/31-01.01-005 Extracted: 10/31/2004 Analyzed: 10/31/2004 14:01
LCSD

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	0.511		0.500	102.2			75-125	35		
Surrogates(s)										
4-Bromofluorobenzene-FID	462		500	92.4			58-124			

SEVERN TRENT STL

Submission: 2004-10-0843

Gas/BTEX Compounds by 8015M/8021

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Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 5035 — Test(s): 8021B

Matrix Spike (MS / MSD) — **Soil** — **QC Batch # 2004/10/31-01.01**

MS/MSD — Lab ID: 2004-10-0887-001

MS: 2004/10/31-01.01-007 — Extracted: 10/31/2004 — Analyzed: 10/31/2004 15:08 — Dilution: 1.00

MSD: 2004/10/31-01.01-008 — Extracted: 10/31/2004 — Analyzed: 10/31/2004 15:41 — Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	0.0931	0.107	ND	0.0924	100.8	107.2	6.2	65-135	35		
Toluene	0.0880	0.102	ND	0.0924	95.2	102.2	7.1	65-135	35		
Ethyl benzene	0.0925	0.110	ND	0.0924	100.1	110.2	9.6	65-135	35		
Xylene(s)	0.278	0.329	ND	0.2772	100.3	110.0	9.2	65-135	35		
Surrogate(s)											
Trifluorotoluene	500	531		500	100.0	106.2		53-125			

Gas/BTEX Compounds by 8015M/8021

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Batch QC Report

Prep(s): 5035 Test(s): 8015M

Matrix Spike (MS / MSD) **Soil** **QC Batch # 2004/10/31-01.01**

MS/MSD Lab ID: 2004-10-0887 -001

MS: 2004/10/31-01.01-009 Extracted: 10/31/2004 Analyzed: 10/31/2004 16:14
Dilution: 1.00

MSD: 2004/10/31-01.01-010 Extracted: 10/31/2004 Analyzed: 10/31/2004 16:47
Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Gasoline	0.450	0.454	ND	0.478	94.1	97.4	3.4	65-135	35		
Surrogate(s)											
4-Bromofluorobenzene-FID	421	420		500	84.2	84.0		58-124			

SEVERN TRENT STL

Submission: 2004-10-0843

Gas/BTEX Compounds by 8015M/8021

Fugro
Attn.: Melissa Pleva

1000 Broadway Suite 200
Oakland, CA 94607
Phone: (510) 268-0461 Fax: (510) 268-0137

Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
GROTH-4@11.0`	10/26/2004 15:00	Soil	25

Gas/BTEX Compounds by 8015M/8021

Fugro

Attn.: Melissa Pleva

1000 Broadway Suite 200
Oakland, CA 94607
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Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Prep(s):	5035 5035	Test(s):	8015M 8021B
Sample ID:	GROTH-4@11.0	Lab ID:	2004-10-0843-25
Sampled:	10/26/2004 15:00	Extracted:	11/4/2004 12:03
Matrix:	Soil	QC Batch#:	2004/11/04-01.01
Analysis Flag:	(See Legend and Note Section)		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	11/04/2004 12:03	
Benzene	ND	0.0050	mg/Kg	1.00	11/04/2004 12:03	
Toluene	0.0051	0.0050	mg/Kg	1.00	11/04/2004 12:03	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	11/04/2004 12:03	
Xylene(s)	0.016	0.0050	mg/Kg	1.00	11/04/2004 12:03	
MTBE	ND	0.0050	mg/Kg	1.00	11/04/2004 12:03	
Surrogate(s)						
Trifluorotoluene	97.0	53-125	%	1.00	11/04/2004 12:03	
4-Bromofluorobenzene-FID	96.8	58-124	%	1.00	11/04/2004 12:03	

Gas/BTEX Compounds by 8015M/8021

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Batch QC Report

Prep(s): 5035
5035

Test(s): 8015M
8021B

Method Blank **Soil** **QC Batch # 2004/11/04-01.01**

MB: 2004/11/04-01.01-003

Date Extracted: 11/04/2004 08:17

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	11/04/2004 08:17	
Benzene	ND	0.0050	mg/Kg	11/04/2004 08:17	
Toluene	ND	0.0050	mg/Kg	11/04/2004 08:17	
Ethyl benzene	ND	0.0050	mg/Kg	11/04/2004 08:17	
Xylene(s)	ND	0.0050	mg/Kg	11/04/2004 08:17	
MTBE	ND	0.0050	mg/Kg	11/04/2004 08:17	
Surrogates(s)					
Trifluorotoluene	104.3	53-125	%	11/04/2004 08:17	
4-Bromofluorobenzene-FID	93.3	58-124	%	11/04/2004 08:17	

Gas/BTEX Compounds by 8015M/8021

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Project: 1121.006
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Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 5035 Test(s): 8021B

Laboratory Control Spike **Soil** **QC Batch # 2004/11/04-01.01**

LCS 2004/11/04-01.01-004 Extracted: 11/04/2004 Analyzed: 11/04/2004 08:50
LCSD

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	0.105		0.1000	105.0			77-123	35		
Toluene	0.0974		0.1000	97.4			78-122	35		
Ethyl benzene	0.106		0.1000	106.0			70-130	35		
Xylene(s)	0.320		0.300	106.7			75-125	35		
Surrogates(s)										
Trifluorotoluene	509		500	101.8			53-125			

SEVERN TRENT STL

Submission: 2004-10-0843

Gas/BTEX Compounds by 8015M/8021

Fugro
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Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 5035 Test(s): 8015M

Laboratory Control Spike Soil **QC Batch # 2004/11/04-01.01**

LCS 2004/11/04-01.01-005 Extracted: 11/04/2004 Analyzed: 11/04/2004 09:23
LCSD

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	0.539		0.500	107.8			75-125	35		
Surrogates(s)										
4-Bromofluorobenzene-FID	461		500	92.2			58-124			

Gas/BTEX Compounds by 8015M/8021

Fugro

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Project: 1121.006
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Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 5035 Test(s): 8021B

Matrix Spike (MS / MSD) **Soil** **QC Batch # 2004/11/04-01.01**

GROTH-4@11.0' >> MS Lab ID: 2004-10-0843 - 025

MS: 2004/11/04-01.01-007 Extracted: 11/04/2004 Analyzed: 11/04/2004 12:37

Dilution: 1.00

MSD: 2004/11/04-01.01-008 Extracted: 11/04/2004 Analyzed: 11/04/2004 13:10

Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	0.0926	0.102	ND	0.0940	98.5	104.8	6.2	65-135	35		
Toluene	0.0855	0.0979	0.00511	0.0940	85.5	100.6	16.2	65-135	35		
Ethyl benzene	0.0875	0.0998	0.00321	0.0940	89.7	102.6	13.4	65-135	35		
Xylene(s)	0.265	0.306	0.0155	0.282	88.5	104.8	16.9	65-135	35		
Surrogate(s)											
Trifluorotoluene	449	500		500	89.9	100.0		53-125			

SEVERN TRENT STL

Submission: 2004-10-0843

Gas/BTEX Compounds by 8015M/8021

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Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 5035 — Test(s): 8015M

Matrix Spike (MS / MSD) — Soil — **QC Batch # 2004/11/04-01.01**

GROTH-4@11.0' >> MS — Lab ID: 2004-10-0843 - 025

MS: 2004/11/04-01.01-009 — Extracted: 11/04/2004 — Analyzed: 11/04/2004 13:44 — Dilution: 1.00

MSD: 2004/11/04-01.01-010 — Extracted: 11/04/2004 — Analyzed: 11/04/2004 14:17 — Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Gasoline	0.764	0.806	0.4587	0.471	64.8	72.4	11.1	65-135	35	M5	
Surrogate(s)											
4-Bromofluorobenzene-FID	456	459		500	91.2	91.8		58-124			

Gas/BTEX Compounds by 8015M/8021

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Received: 10/27/2004 11:35

Legend and Notes

Analysis Flag

Result Flag

M5

MS/MSD spike recoveries were below acceptance limits.
See blank spike (LCS).

SEVERN TRENT STL

Submission: 2004-10-0843

CAM 17 Metals

Fugro
Attn.: Melissa Pleva

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Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Prep(s):	3050B 7471A	Test(s):	6010B 7471A
Sample ID:	GROTH-2@10.0	Lab ID:	2004-10-0843 - 14
Sampled:	10/26/2004 11:30	Extracted:	11/1/2004 05:32 11/1/2004 05:48
Matrix:	Soil	QC Batch#:	2004/11/01-01.15 2004/11/01-01.16

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	11/01/2004 12:56	
Arsenic	3.6	1.0	mg/Kg	1.00	11/01/2004 12:56	
Barium	82	1.0	mg/Kg	1.00	11/01/2004 12:56	
Beryllium	ND	0.50	mg/Kg	1.00	11/01/2004 12:56	
Cadmium	ND	0.50	mg/Kg	1.00	11/01/2004 12:56	
Chromium	40	1.0	mg/Kg	1.00	11/01/2004 12:56	
Cobalt	8.1	1.0	mg/Kg	1.00	11/01/2004 12:56	
Copper	19	1.0	mg/Kg	1.00	11/01/2004 12:56	
Lead	4.3	1.0	mg/Kg	1.00	11/01/2004 12:56	
Molybdenum	ND	1.0	mg/Kg	1.00	11/01/2004 12:56	
Nickel	93	1.0	mg/Kg	1.00	11/01/2004 12:56	
Selenium	ND	2.0	mg/Kg	1.00	11/01/2004 12:56	
Silver	ND	1.0	mg/Kg	1.00	11/01/2004 12:56	
Thallium	ND	1.0	mg/Kg	1.00	11/01/2004 12:56	
Vanadium	18	1.0	mg/Kg	1.00	11/01/2004 12:56	
Zinc	31	1.0	mg/Kg	1.00	11/01/2004 12:56	
Mercury	ND	0.050	mg/Kg	1.00	11/01/2004 13:04	

CAM 17 Metals

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Project: 1121.006
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Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 3050B — Test(s): 6010B
Method Blank — Soil — QC Batch #: 2004/11/01-01.15
MB: 2004/11/01-01.15-075 — Date Extracted: 11/01/2004 05:32

Compound	Conc.	RL	Unit	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	11/01/2004 12:03	
Arsenic	ND	1.0	mg/Kg	11/01/2004 12:03	
Barium	ND	1.0	mg/Kg	11/01/2004 12:03	
Beryllium	ND	0.50	mg/Kg	11/01/2004 12:03	
Cadmium	ND	0.50	mg/Kg	11/01/2004 12:03	
Chromium	ND	1.0	mg/Kg	11/01/2004 12:03	
Cobalt	ND	1.0	mg/Kg	11/01/2004 12:03	
Copper	ND	1.0	mg/Kg	11/01/2004 12:03	
Lead	ND	1.0	mg/Kg	11/01/2004 12:03	
Molybdenum	ND	1.0	mg/Kg	11/01/2004 12:03	
Nickel	ND	1.0	mg/Kg	11/01/2004 12:03	
Selenium	ND	2.0	mg/Kg	11/01/2004 12:03	
Silver	ND	1.0	mg/Kg	11/01/2004 12:03	
Thallium	ND	1.0	mg/Kg	11/01/2004 12:03	
Vanadium	ND	1.0	mg/Kg	11/01/2004 12:03	
Zinc	ND	1.0	mg/Kg	11/01/2004 12:03	

CAM 17 Metals

Fugro

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Project: 1121.006
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Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 7471A
Method Blank
MB: 2004/11/01-01.16-056

Soil

Test(s): 7471A
QC Batch # 2004/11/01-01.16
Date Extracted: 11/01/2004 05:48

Compound	Conc.	RL	Unit	Analyzed	Flag
Mercury	ND	0.050	mg/Kg	11/01/2004 12:57	

CAM 17 Metals

Fugro

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Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 3050B — Test(s): 6010B

Laboratory Control Spike — **Soil** — **QC Batch # 2004/11/01-01.15**

LCS 2004/11/01-01.15-076 — Extracted: 11/01/2004 — Analyzed: 11/01/2004 12:07

LCSD 2004/11/01-01.15-077 — Extracted: 11/01/2004 — Analyzed: 11/01/2004 12:11

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Antimony	104	104	100.0	104.0	104.0	0.0	80-120	20		
Arsenic	109	107	100.0	109.0	107.0	1.9	80-120	20		
Barium	102	100	100.0	102.0	100.0	2.0	80-120	20		
Beryllium	105	104	100.0	105.0	104.0	1.0	80-120	20		
Cadmium	103	101	100.0	103.0	101.0	2.0	80-120	20		
Chromium	99.2	97.4	100.0	99.2	97.4	1.8	80-120	20		
Cobalt	103	101	100.0	103.0	101.0	2.0	80-120	20		
Copper	107	105	100.0	107.0	105.0	1.9	80-120	20		
Lead	102	100	100.0	102.0	100.0	2.0	80-120	20		
Molybdenum	106	104	100.0	106.0	104.0	1.9	80-120	20		
Nickel	102	101	100.0	102.0	101.0	1.0	80-120	20		
Selenium	101	99.4	100.0	101.0	99.4	1.6	80-120	20		
Silver	105	103	100.0	105.0	103.0	1.9	80-120	20		
Thallium	99.7	98.0	100.0	99.7	98.0	1.7	80-120	20		
Vanadium	106	104	100.0	106.0	104.0	1.9	80-120	20		
Zinc	103	101	100.0	103.0	101.0	2.0	80-120	20		

CAM 17 Metals

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Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 7471A Test(s): 7471A

Laboratory Control Spike **Soil** **QC Batch # 2004/11/01-01.16**

LCS 2004/11/01-01.16-059 Extracted: 11/01/2004 Analyzed: 11/01/2004 13:00
LCSD 2004/11/01-01.16-060 Extracted: 11/01/2004 Analyzed: 11/01/2004 13:02

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Mercury	0.484	0.474	0.500	96.8	94.8	2.1	85-115	20		

SEVERN TRENT STL

Submission: 2004-10-0843

Metals

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Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
GROTH-1@2.5`	10/26/2004 09:40	Soil	4
GROTH-4@4.0`	10/26/2004 14:25	Soil	21
GROTH-5@3.5`	10/26/2004 16:55	Soil	30
GROTH-6@1.0`	10/26/2004 17:15	Soil	33

SEVERN TRENT STL

Submission: 2004-10-0843

Metals

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Project: 1121.006
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Received: 10/27/2004 11:35

Prep(s):	3050B	Test(s):	6010B
Sample ID:	GROTH-5@3.5	Lab ID:	2004-10-0843 - 30
Sampled:	10/26/2004 16:55	Extracted:	11/1/2004 05:32
Matrix:	Soil	QC Batch#:	2004/11/01-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	4.4	1.0	mg/Kg	1.00	11/01/2004 13:00	
Lead	14	1.0	mg/Kg	1.00	11/01/2004 13:00	

Metals

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Project: 1121.006
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Received: 10/27/2004 11:35

Prep(s):	3050B	Test(s):	6010B
Sample ID:	GROTH-6@1.0	Lab ID:	2004-10-0843 -33
Sampled:	10/26/2004 17:15	Extracted:	11/1/2004 05:32
Matrix:	Soil	QC Batch#:	2004/11/01-01.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Arsenic	4.2	1.0	mg/Kg	1.00	11/01/2004 13:03	
Lead	72	1.0	mg/Kg	1.00	11/01/2004 13:03	

Metals

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Project: 1121.006
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Batch QC Report

Prep(s): 3050B
Method Blank
MB: 2004/10/29-06.15-055

Soil

Test(s): 6010B
QC Batch # 2004/10/29-06.15
Date Extracted: 10/29/2004 15:27

Compound	Conc.	RL	Unit	Analyzed	Flag
Arsenic	ND	1.0	mg/Kg	11/01/2004 10:05	
Lead	ND	1.0	mg/Kg	11/01/2004 10:05	

Metals

Fugro

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Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 3050B — Test(s): 6010B

Method Blank — **Soil** — **QC Batch # 2004/11/01-01.15**

MB: 2004/11/01-01.15-075 — Date Extracted: 11/01/2004 05:32

Compound	Conc.	RL	Unit	Analyzed	Flag
Arsenic	ND	1.0	mg/Kg	11/01/2004 12:03	
Lead	ND	1.0	mg/Kg	11/01/2004 12:03	

Metals

Fugro

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Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 3050B | Soil | Test(s): 6010B

Method Blank | **QC Batch # 2004/11/01-04.15**

MB: 2004/11/01-04.15-047 | Date Extracted: 11/01/2004 10:18

Compound	Conc.	RL	Unit	Analyzed	Flag
Arsenic	ND	1.0	mg/Kg	11/02/2004 08:48	
Lead	ND	1.0	mg/Kg	11/02/2004 08:48	

Metals

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Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 3050B — Test(s): 6010B

Laboratory Control Spike — **Soil** — **QC Batch # 2004/10/29-06.15**

LCS 2004/10/29-06.15-056 — Extracted: 10/29/2004 — Analyzed: 11/01/2004 10:09

LCSD 2004/10/29-06.15-059 — Extracted: 10/29/2004 — Analyzed: 11/01/2004 10:56

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Arsenic	107	102	100.0	107.0	102.0	4.8	80-120	20		
Lead	95.8	95.6	100.0	95.8	95.6	0.2	80-120	20		

Metals

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Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike **Soil** **QC Batch # 2004/11/01-01.15**

LCS 2004/11/01-01.15-076 Extracted: 11/01/2004 Analyzed: 11/01/2004 12:07

LCSD 2004/11/01-01.15-077 Extracted: 11/01/2004 Analyzed: 11/01/2004 12:11

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Arsenic	109	107	100.0	109.0	107.0	1.9	80-120	20		
Lead	102	100	100.0	102.0	100.0	2.0	80-120	20		

Metals

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Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 3050B

Test(s): 6010B

Laboratory Control Spike **Soil** **QC Batch # 2004/11/01-04.15**

LCS 2004/11/01-04.15-048 Extracted: 11/01/2004 Analyzed: 11/02/2004 08:52

LCSD 2004/11/01-04.15-049 Extracted: 11/01/2004 Analyzed: 11/02/2004 08:55

Compound	Conc.	mg/Kg	Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Arsenic	108	108	100.0	108.0	108.0	0.0	80-120	20		
Lead	98.0	98.4	100.0	98.0	98.4	0.4	80-120	20		

SEVERN TRENT STL

Submission: 2004-10-0843

TEPH w/ Silica Gel Clean-up

Fugro
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Project: 1121.006
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Received: 10/27/2004 11:35

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
GROTH-3@8.0`	10/26/2004 09:15	Soil	3
GROTH-1@8.5`	10/26/2004 09:55	Soil	6
GROTH-2@10.0`	10/26/2004 11:30	Soil	14
GROTH-2@30.0`	10/26/2004 12:15	Soil	18
GROTH-4@11.0`	10/26/2004 15:00	Soil	25
GROTH-5@3.5`	10/26/2004 16:55	Soil	30
GROTH-6@1.0`	10/26/2004 17:15	Soil	33

TEPH w/ Silica Gel Clean-up

Fugro

Attn.: Melissa Pleva

1000 Broadway Suite 200
Oakland, CA 94607
Phone: (510) 268-0461 Fax: (510) 268-0137

Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	GROTH-3@8.0	Lab ID:	2004-10-0843 - 3
Sampled:	10/26/2004 09:15	Extracted:	11/2/2004 10:45
Matrix:	Soil	QC Batch#:	2004/11/02-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2.0	1.0	mg/Kg	1.00	11/03/2004 14:31	ldr
Motor Oil	56	50	mg/Kg	1.00	11/03/2004 14:31	
Surrogate(s)						
o-Terphenyl	86.3	60-130	%	1.00	11/03/2004 14:31	

SEVERN TRENT STL

Submission: 2004-10-0843

TEPH w/ Silica Gel Clean-up

Fugro
Attn.: Melissa Pleva

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Oakland, CA 94607
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Project: 1121.006
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Received: 10/27/2004 11:35

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	GROTH-1@8.5	Lab ID:	2004-10-0843 - 6
Sampled:	10/26/2004 09:55	Extracted:	11/2/2004 10:45
Matrix:	Soil	QC Batch#:	2004/11/02-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/03/2004 12:17	
Motor Oil	ND	50	mg/Kg	1.00	11/03/2004 12:17	
Surrogate(s)						
o-Terphenyl	86.5	60-130	%	1.00	11/03/2004 12:17	

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Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	GROTH-2@10.0	Lab ID:	2004-10-0843-14
Sampled:	10/26/2004 11:30	Extracted:	10/30/2004 10:05
Matrix:	Soil	QC Batch#:	2004/10/30-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	11/02/2004 12:31	
Motor Oil	ND	50	mg/Kg	1.00	11/02/2004 12:31	
Surrogate(s)						
o-Terphenyl	98.9	60-130	%	1.00	11/02/2004 12:31	

SEVERN TRENT STL

Submission: 2004-10-0843

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Received: 10/27/2004 11:35

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	GROTH-2@30.0	Lab ID:	2004-10-0843 - 18
Sampled:	10/26/2004 12:15	Extracted:	11/2/2004 10:45
Matrix:	Soil	QC Batch#:	2004/11/02-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	5.1	1.0	mg/Kg	1.00	11/03/2004 12:44	edr
Motor Oil	ND	50	mg/Kg	1.00	11/03/2004 12:44	
Surrogate(s)						
o-Terphenyl	81.6	60-130	%	1.00	11/03/2004 12:44	

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Prep(s): 3550/8015M
Test(s): 8015M
Sample ID: GROTH-4@11.0
Lab ID: 2004-10-0843 -25
Sampled: 10/26/2004 15:00
Extracted: 11/2/2004 10:45
Matrix: Soil
QC Batch#: 2004/11/02-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	49	1.0	mg/Kg	1.00	11/03/2004 13:10	ldr
Motor Oil	230	50	mg/Kg	1.00	11/03/2004 13:10	
Surrogate(s)						
o-Terphenyl	85.6	60-130	%	1.00	11/03/2004 13:10	

SEVERN TRENT STL

Submission: 2004-10-0843

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Received: 10/27/2004 11:35

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	GROTH-5@3.5	Lab ID:	2004-10-0843 - 30
Sampled:	10/26/2004 16:55	Extracted:	11/2/2004 10:45
Matrix:	Soil	QC Batch#:	2004/11/02-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	14	1.0	mg/Kg	1.00	11/03/2004 13:37	idr
Motor Oil	84	50	mg/Kg	1.00	11/03/2004 13:37	
Surrogate(s)						
o-Terphenyl	85.1	60-130	%	1.00	11/03/2004 13:37	

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Received: 10/27/2004 11:35

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	GROTH-6@1.0	Lab ID:	2004-10-0843 - 33
Sampled:	10/26/2004 17:15	Extracted:	11/2/2004 10:45
Matrix:	Soil	QC Batch#:	2004/11/02-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	7.8	1.0	mg/Kg	1.00	11/03/2004 14:04	ldr
Motor Oil	75	50	mg/Kg	1.00	11/03/2004 14:04	
Surrogate(s)						
o-Terphenyl	96.5	60-130	%	1.00	11/03/2004 14:04	

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Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 3550/8015M — Test(s): 8015M
Method Blank — Soil — **QC Batch # 2004/10/30-01.10**
MB: 2004/10/30-01.10-001 — Date Extracted: 10/30/2004 10:05

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	2.20	1	mg/Kg	10/31/2004 12:55	
Motor Oil	ND	50	mg/Kg	10/31/2004 12:55	
Surrogates(s)					
o-Terphenyl	76.8	60-130	%	10/31/2004 12:55	

TEPH w/ Silica Gel Clean-up

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Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 3550/8015M
Method Blank
MB: 2004/11/02-03.10-003

Soil

Test(s): 8015M
QC Batch # 2004/11/02-03.10
Date Extracted: 11/02/2004 10:45

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	11/03/2004 15:03	
Motor Oil	ND	50	mg/Kg	11/03/2004 15:03	
Surrogates(s)					
o-Terphenyl	83.3	60-130	%	11/03/2004 15:03	

TEPH w/ Silica Gel Clean-up

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Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike **Soil** **QC Batch # 2004/10/30-01.10**

LCS 2004/10/30-01.10-002 Extracted: 10/30/2004 Analyzed: 10/31/2004 13:22

LCSD 2004/10/30-01.10-003 Extracted: 10/30/2004 Analyzed: 10/31/2004 13:50

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	32.6	30.2	41.4	78.7	72.9	7.7	60-130	25		
Surrogates(s)										
o-Terphenyl	17.1	16.6	20.0	85.5	82.8		60-130	0		

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Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike — **Soil** — **QC Batch # 2004/11/02-03.10**

LCS 2004/11/02-03.10-001 — Extracted: 11/02/2004 — Analyzed: 11/03/2004 11:23

LCSD 2004/11/02-03.10-002 — Extracted: 11/02/2004 — Analyzed: 11/03/2004 11:50

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Diesel	33.4	31.0	41.3	80.9	74.9	7.7	60-130	25		
Surrogates(s)										
o-Terphenyl	20.4	19.0	20.0	102.0	95.1		60-130	0		

SEVERN TRENT STL

Submission: 2004-10-0843

TEPH w/ Silica Gel Clean-up

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Project: 1121.006
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Received: 10/27/2004 11:35

Legend and Notes

Result Flag

edr

Hydrocarbon reported is in the early Diesel range, and does not match our Diesel standard

ldr

Hydrocarbon reported is in the late Diesel range, and does not match our Diesel standard

SEVERN TRENT STL

Submission: 2004-10-0843

Gas/BTEX Compounds by 8015M/8021

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Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
GROTH-6@1.0`	10/26/2004 17:15	Soil	33

SEVERN TRENT STL

Submission: 2004-10-0843

Gas/BTEX Compounds by 8015M/8021

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Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Prep(s):	5035 5035	Test(s):	8015M 8021B
Sample ID:	GROTH-6@1.0	Lab ID:	2004-10-0843 - 33
Sampled:	10/26/2004 17:15	Extracted:	10/31/2004 21:48
Matrix:	Soil	QC Batch#:	2004/10/31-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	10/31/2004 21:48	
Benzene	ND	0.0050	mg/Kg	1.00	10/31/2004 21:48	
Toluene	0.0056	0.0050	mg/Kg	1.00	10/31/2004 21:48	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	10/31/2004 21:48	
Xylene(s)	0.0067	0.0050	mg/Kg	1.00	10/31/2004 21:48	
MTBE	ND	0.0050	mg/Kg	1.00	10/31/2004 21:48	
Surrogate(s)						
Trifluorotoluene	68.4	53-125	%	1.00	10/31/2004 21:48	
Trifluorotoluene-FID	62.6	53-125	%	1.00	10/31/2004 21:48	

SEVERN TRENT STL

Gas/BTEX Compounds by 8015M/8021

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Project: 1121.006
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Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 5035
5035
Method Blank
MB: 2004/10/31-01.01-003

Soil

Test(s): 8015M
8021B
QC Batch # 2004/10/31-01.01
Date Extracted: 10/31/2004 12:54

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	10/31/2004 12:54	
Benzene	ND	0.0050	mg/Kg	10/31/2004 12:54	
Toluene	ND	0.0050	mg/Kg	10/31/2004 12:54	
Ethyl benzene	ND	0.0050	mg/Kg	10/31/2004 12:54	
Xylene(s)	ND	0.0050	mg/Kg	10/31/2004 12:54	
MTBE	ND	0.0050	mg/Kg	10/31/2004 12:54	
Surrogates(s)					
Trifluorotoluene	103.6	53-125	%	10/31/2004 12:54	
4-Bromofluorobenzene-FID	90.9	58-124	%	10/31/2004 12:54	

Gas/BTEX Compounds by 8015M/8021

Fugro

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Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 5035 Test(s): 8021B

Laboratory Control Spike **Soil** **QC Batch # 2004/10/31-01.01**

LCS 2004/10/31-01.01-004 Extracted: 10/31/2004 Analyzed: 10/31/2004 13:28
LCSD

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	0.109		0.1000	109.0			77-123	35		
Toluene	0.105		0.1000	105.0			78-122	35		
Ethyl benzene	0.112		0.1000	112.0			70-130	35		
Xylene(s)	0.331		0.300	110.3			75-125	35		
Surrogates(s)										
Trifluorotoluene	551		500	110.2			53-125			

Gas/BTEX Compounds by 8015M/8021

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Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 5035 Test(s): 8015M

Laboratory Control Spike Soil **QC Batch # 2004/10/31-01.01**

LCS 2004/10/31-01.01-005 Extracted: 10/31/2004 Analyzed: 10/31/2004 14:01

LCSD

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	0.511		0.500	102.2			75-125	35		
Surrogates(s)										
4-Bromofluorobenzene-FID	462		500	92.4			58-124			

SEVERN TRENT STL

Submission: 2004-10-0843

Gas/BTEX Compounds by 8015M/8021

Fugro
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Project: 1121.006
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Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 5035 Test(s): 8021B

Matrix Spike (MS / MSD) Soil **QC Batch # 2004/10/31-01.01**

MS/MSD Lab ID: 2004-10-0887 - 001

MS: 2004/10/31-01.01-007 Extracted: 10/31/2004 Analyzed: 10/31/2004 15:08
Dilution: 1.00

MSD: 2004/10/31-01.01-008 Extracted: 10/31/2004 Analyzed: 10/31/2004 15:41
Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	0.0931	0.107	ND	0.0924	100.8	107.2	6.2	65-135	35		
Toluene	0.0880	0.102	ND	0.0924	95.2	102.2	7.1	65-135	35		
Ethyl benzene	0.0925	0.110	ND	0.0924	100.1	110.2	9.6	65-135	35		
Xylene(s)	0.278	0.329	ND	0.2772	100.3	110.0	9.2	65-135	35		
Surrogate(s)											
Trifluorotoluene	500	531		500	100.0	106.2		53-125			

SEVERN TRENT STL

Submission: 2004-10-0843

Gas/BTEX Compounds by 8015M/8021

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Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 5035 Test(s): 8015M

Matrix Spike (MS / MSD) **Soil** **QC Batch # 2004/10/31-01.01**

MS/MSD Lab ID: 2004-10-0887 - 001

MS: 2004/10/31-01.01-009 Extracted: 10/31/2004 Analyzed: 10/31/2004 16:14
Dilution: 1.00

MSD: 2004/10/31-01.01-010 Extracted: 10/31/2004 Analyzed: 10/31/2004 16:47
Dilution: 1.00

Compound	Conc. mg/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	mg/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Gasoline	0.450	0.454	ND	0.478	94.1	97.4	3.4	65-135	35		
Surrogate(s)											
4-Bromofluorobenzene-FID	421	420		500	84.2	84.0		58-124			

SEVERN TRENT STL

Submission: 2004-10-0843

Gas/BTEX Compounds by 8015M/8021

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Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
GROTH-2@30.0'	10/26/2004 12:15	Soil	18

Gas/BTEX Compounds by 8015M/8021

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Received: 10/27/2004 11:35

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**GROTH-2@30.0**	Lab ID:	2004-10-0843-18
Sampled:	10/26/2004 12:15	Extracted:	11/4/2004 17:00
Matrix:	Soil	QC Batch#:	2004/11/04-05.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	58	10	mg/Kg	1.00	11/05/2004 14:00	Q1
Benzene	ND	0.62	mg/Kg	1.00	11/05/2004 14:00	
Toluene	ND	0.62	mg/Kg	1.00	11/05/2004 14:00	
Ethyl benzene	ND	0.62	mg/Kg	1.00	11/05/2004 14:00	
Xylene(s)	ND	0.62	mg/Kg	1.00	11/05/2004 14:00	
MTBE	ND	0.62	mg/Kg	1.00	11/05/2004 14:00	
Surrogate(s)						
Trifluorotoluene	106.1	53-125	%	1.00	11/05/2004 14:00	
4-Bromofluorobenzene-FID	91.0	58-124	%	1.00	11/05/2004 14:00	

Gas/BTEX Compounds by 8015M/8021

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Batch QC Report

Prep(s): 5030 Test(s): 8015M
Method Blank **Soil** **QC Batch # 2004/11/04-05.01**
MB: 2004/11/04-05.01-001 Date Extracted: 11/04/2004 17:00

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	10	mg/Kg	11/05/2004 03:06	
Surrogates(s)					
4-Bromofluorobenzene-FID	105.8	58-124	%	11/05/2004 03:06	

Gas/BTEX Compounds by 8015M/8021

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Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 5030
Method Blank
MB: 2004/11/04-05.01-004

Soil

Test(s): 8021B
QC Batch # 2004/11/04-05.01
Date Extracted: 11/04/2004 17:00

Compound	Conc.	RL	Unit	Analyzed	Flag
Benzene	ND	0.62	mg/Kg	11/05/2004 10:32	
Toluene	ND	0.62	mg/Kg	11/05/2004 10:32	
Ethyl benzene	ND	0.62	mg/Kg	11/05/2004 10:32	
Xylene(s)	ND	0.62	mg/Kg	11/05/2004 10:32	
MTBE	ND	0.62	mg/Kg	11/05/2004 10:32	
Surrogates(s)					
Trifluorotoluene	106.4	53-125	%	11/05/2004 10:32	

Gas/BTEX Compounds by 8015M/8021

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Project: 1121.006
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Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 5030 Test(s): 8015M

Laboratory Control Spike **Soil** **QC Batch # 2004/11/04-05.01**

LCS 2004/11/04-05.01-002 Extracted: 11/04/2004 Analyzed: 11/05/2004 04:47
LCSD 2004/11/04-05.01-003 Extracted: 11/04/2004 Analyzed: 11/05/2004 05:21

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	6.30	6.21	6.25	100.8	99.4	1.4	75-125	35		
Surrogates(s)										
4-Bromofluorobenzene-FID	532	570	500	106.4	114.0		58-124	0		

Gas/BTEX Compounds by 8015M/8021

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Received: 10/27/2004 11:35

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike **Soil** **QC Batch # 2004/11/04-05.01**

LCS 2004/11/04-05.01-005 Extracted: 11/04/2004 Analyzed: 11/05/2004 12:54

LCSD 2004/11/04-05.01-006 Extracted: 11/04/2004 Analyzed: 11/05/2004 13:27

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	0.128	0.130	0.125	102.4	104.0	1.6	77-123	35		
Toluene	0.130	0.131	0.125	104.0	104.8	0.8	78-122	35		
Ethyl benzene	0.133	0.134	0.125	106.4	107.2	0.7	70-130	35		
Xylene(s)	0.401	0.399	0.375	106.9	106.4	0.5	75-125	35		
Surrogates(s)										
Trifluorotoluene	538	517	500	107.6	103.4		53-125	0		

SEVERN TRENT STL

Submission: 2004-10-0843

Gas/BTEX Compounds by 8015M/8021

Fugro
Attn.: Melissa Pleva

1000 Broadway Suite 200
Oakland, CA 94607
Phone: (510) 268-0461 Fax: (510) 268-0137

Project: 1121.006
Groth Bros. Chevrolet

Received: 10/27/2004 11:35

Legend and Notes

Result Flag

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

CHAIN OF CUSTODY

2004-10-0843

PROJECT NAME: Groth Bros. Chevrolet

PROJECT NO.: 1121.006

LAB: STL

PROJECT CONTACT: Melissa L. Pleva

TURNAROUND: 3 Day

SAMPLED BY: Melissa L. Pleva

REQUESTED BY: Melissa L. Pleva

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: PINT	CONTAINERS: TUBE	PRESERVATIVE: HCL	PRESERVATIVE: H_2SO_4	PRESERVATIVE: HNO_3	PRESERVATIVE: ICE	PRESERVATIVE: OTHER	PRESERVATIVE: NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	TPHg & BTEX (8015m/8021b) MTBE	TPHd, TPHmo with silica gel (8015m)	CAM 17 Title 22 Metals (6010/7000)	Total Lead and Arsenic (6010)	HVOCs (8010/8260b)
	GROTH-3 @2.5'		X					1				X			10	26	04	0905	*					
	GROTH-3 @5.0'		X					1				X			10	26	04	0910	*					
	GROTH-3 @8.0'		X					1				X			10	26	04	0915		X	X	X		X
	GROTH-1 @2.5'		X					1				X			10	26	04	0940					X	
	GROTH-1 @5.0'		X					1				X			10	26	04	0945	*					
	GROTH-1 @8.5'		X					1				X			10	26	04	0955		X	X			X
	GROTH-1 @10.0'		X					1				X			10	26	04	1000	*					
	GROTH-1 @15.0'		X					1				X			10	26	04	1008	*					
	GROTH-1 @20.0'		X					1				X			10	26	04	1015	*					
	GROTH-1 @25.0'		X					1				X			10	26	04	1025	*					
	GROTH-1 @30.0'		X					1				X			10	26	04	1030	*					

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	10/27/04 10:25	[signature]	10/27/04 10:25
[signature]	10/27/04 1135	[signature]	10-27-04 1135

COMMENTS & NOTES:

* ARCHIVE SAMPLE

RUSH

FUGRO WEST, INC.
1000 Broadway, Suite 200
Oakland, California 94607
Tel: 510.268.0461 Fax: 510.268.0137

CHAIN OF CUSTODY

2004-10-0843

PROJECT NAME: Groth Bros. Chevrolet

PROJECT NO.: 1121.006 | LAB: STL

PROJECT CONTACT: Melissa L. Pleva | TURNAROUND: 3 Day

SAMPLED BY: Melissa L. Pleva | REQUESTED BY: Melissa L. Pleva

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: PINT	CONTAINERS: TUBE	PRESERVATIVE: HCL	PRESERVATIVE: H_2SO_4	PRESERVATIVE: HNO_3	PRESERVATIVE: ICE	PRESERVATIVE: OTHER	PRESERVATIVE: NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	TPHg & BTEX (8015m/8021b)/MTBE	TPHd, TPHmo with silica gel (8015m)	CAM 17 Title 22 Metals (6010/7000)	Total Lead and Arsenic (6010)	HVOCs (8010/8260B)
	GROTH-2@3.0'		X					1				X			10	26	04	1115	*					
	GROTH-2@5.0'		X					1				X			10	26	04	1120	*					
	GROTH-2@10.0'		X					1				X			10	26	04	1130		X	X	X		X
	GROTH-2@15.0'		X					1				X			10	26	04	1135	*					
	GROTH-2@20.0'		X					1				X			10	26	04	1145	*					
	GROTH-2@25.0'		X					1				X			10	26	04	1200	*					
	GROTH-2@30.0'		X					1				X			10	26	04	1215		X	X			X
	GROTH-2@35.0'		X					1				X			10	26	04	1235	*					
																		~~1235~~	[illegible]					
	GROTH-2@40.0'		X					1				X			10	26	04	1255	* [illegible]					

CHAIN OF CUSTODY RECORD

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[signature]	10/27/04 10:25	[signature]	10/27/04 11:25
[signature]	10/27/04 11:35		

COMMENTS & NOTES:

* ARCHIVE SAMPLE

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Oakland, California 94607
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CHAIN OF CUSTODY

2004-10-0843

PROJECT NAME: Groth Bros. Chevrolet
PROJECT NO.: 1121.006 LAB: STL
PROJECT CONTACT: Melissa L. Pleva TURNAROUND: 3 Day
SAMPLED BY: Melissa L. Pleva REQUESTED BY: Melissa L. Pleva

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	MATRIX	CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: PINT	CONTAINERS: TUBE	CONTAINERS	PRESERVATIVE: HCL	PRESERVATIVE: H_2SO_4	PRESERVATIVE: HNO_3	PRESERVATIVE: ICE	PRESERVATIVE: OTHER	PRESERVATIVE: NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	TPHg & BTEX (8015m/8021b) /MTBE	TPHd / TPHmo with silica gel (8015m)	CAM 17 Title 22 Metals (6010/7000)	Total Lead and Arsenic (6010)	HVOCs (8010/8260b)					
	GROTH-4 @ 4.0'		X						1								10	26	04	1425					X						
	GROTH-4 @ 5.0'		X						1								10	26	04	1430	*										
	GROTH-4 @ 8.5'		X						1								10	26	04	1440	*										
	GROTH-4 @ 10.0'		X						1								10	26	04	1445	*										
	GROTH-4 @ 11.0'		X						1								10	26	04	1500		X	X			X					
	GROTH-4 @ 15.0'		X						1								10	26	04	1450	*										
	GROTH-4 @ 20.0'		X						1								10	26	04	1510	*										
	GROTH-4 @ 25.0'		X						1								10	26	04	1580	*										
	GROTH-4 @ 30.0		X						1								10	26	04	1555	*										
	GROTH-5 @ 3.5		X						1								10	26	04	1655		X	X		X	X					
	GROTH-5 @ 5.0'		X						1								10	26	04	1700	*										
	GROTH-5 @ 8.0'		X						1								10	26	04	1710	*										

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	10/27/04 10:25	[signature]	10/27/04 10:25
[signature]	10/27/04 1135		

COMMENTS & NOTES:

*ARCHIVE SAMPLE

RUSH

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Tel: 510.268.0461 Fax: 510.268.0137

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HAIN OF CUSTODY

2004-10-0843

ROJECT NAME: Groth Bros. Chevrolet

OJECT NO.: 1121.006 | LAB: STL

ROJECT CONTACT: Melissa L. Pleva | TURNAROUND: 3 Day

AMPLED BY: Melissa L. Pleva | REQUESTED BY: Melissa L. Pleva

ABORATORY .D. NUMBER	FIELD SAMPLE I.D.	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: PINT	CONTAINERS: TUBE	PRESERVATIVE: HCL	PRESERVATIVE: H_2SO_4	PRESERVATIVE: HNO_3	PRESERVATIVE: ICE	PRESERVATIVE: OTHER	PRESERVATIVE: NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	TPHg & BTEX (8015m/8021b) MTBE	TPHd, TPHmo with silica gel (8015m)	CAM 17 Title 22 Metals (6010/7000)	Total Lead and Arsenic (6010)	HVOCs (8010/8260b)
	GROTH-6@1.0'		X					1				X			10	26	04	1715		X	X		X	X
	GROTH-6@5.0'		X					1				X			10	26	04	1720	*					
	GROTH-6@8.0'		X					1				X			10	26	04	1725	*					

CHAIN OF CUSTODY RECORD

ELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Melissa L. Pleva (signature)	10/27/04 10:25	(signature)	10/27/04 1025
(signature)	10/27/04 1135		

COMMENTS & NOTES:
* ARCHIVE SAMPLE

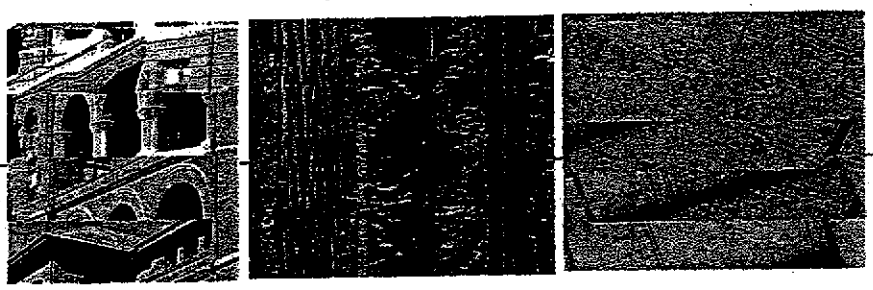
RUSH

FUGRO WEST, INC.
1000 Broadway, Suite 200
Oakland, California 94607
Tel: 510.268.0461 Fax: 510.268.0137

APPENDIX I
RGA ENVIRONMENTAL INC.
LIMITED ASBESTOS & LEAD SURVEY REPORT

RGA
ENVIRONMENTAL INC.

Solutions for a Healthy Environment



Limited Asbestos & Lead Survey Report

Groth Chevrolet
59 South 1 Street
Livermore, California

Project No. FGRO10957

Prepared for:
Glenn Young ~ Fugro West, Inc.

Prepared by:
Mary Zibilich ~ RGA Environmental Inc.

November 9, 2004

RGA
ENVIRONMENTAL INC.

Limited Asbestos & Lead Survey Report

Groth Chevrolet
59 South L Street

Project No. FGRO10957

Prepared for:
Fugro West, Inc.
Glenn Young
1000 Broadway, Suite 200
Oakland, California 94612

Prepared by:
RGA Environmental, Inc.
1466 66th Street
Emeryville, California 94608

November 9, 2004

Report prepared by: _____ Mary Zibilich
Certified Asbestos Consultant (CAC#03-3408)

Report reviewed by: _____ Steve Jackson
Certified Asbestos Consultant (CAC#95-1782)

Table of Contents

Appendices

Limited Asbestos & Lead Survey Report

Groth Chevrolet
59 South L Street
Livermore, CA

1. Executive Summary

The following is a report of the asbestos and lead survey conducted by Mary Zibilich, Certified Asbestos Consultant (CAC), and Nigel Arscott with RGA Environmental, Inc. (RGA). The survey was performed on October 26, 2004. The survey included the new car department building, body shop, paint shop, mechanics shop, new truck building and the small modular office for a total six structures located at the site. Please refer to the site diagram labeled Figure 1 in Appendix 1 of this report for the location of each building and the referenced building designation.

A total of forty-five (45) homogenous suspect asbestos-containing materials were identified in the materials were identified in the six buildings located at Groth Chevrolet. Twenty-four (24) homogeneous materials tested positive for asbestos-content or were assumed to contain asbestos. Regulations require that any time ACMs are impacted during repair, renovation, removal or demolition that the work be performed by properly trained and certified workers.

Three (3) painted surfaces were sampled and two (2) were found to contain detectable levels of lead. Samples were only collected from surfaces with peeling and/or stratified paint. Lead concentrations ranged from 2,480 parts per million (ppm) in the blue exterior paint on the wood trim of the new truck building to 28,280 ppm in the red interior paint on the brick wall of the mechanics building.

2. Scope of Work

The scope of the survey was as follows:

- Collect a limited number of samples of suspect ACMs following a modified National Emissions Standards for Hazardous Air Pollutants (NESHAPS) protocol for sample collection.

- Asbestos bulk samples will be analyzed using polarized light microscopy (PLM) in accordance with EPA's July 1993 method for the determination of asbestos in bulk building materials - EPA 600/R-93/116.

- Provide a DHS lead certified inspector to collect bulk paint chip samples of peeling and/or stratified paint suspected to be lead containing. Bulk samples will be analyzed at an accredited laboratory by Flame Atomic Absorption (AA) for Total Lead reported in ppm.

- Submit written report including analytical results, regulatory requirements, conclusions and recommendations.

3. Methods and Sampling Strategy

Visual Inspection

Building materials were visually inspected using the methods presented in the federal Asbestos Hazard Emergency Response Act (AHERA) regulations (40 CFR, Part 763) as a guideline. AHERA was originally only applicable to schools, however State and Federal Occupational Safety and Health Administration (OSHA) and Asbestos School Hazard Abatement Reauthorization Act (ASHARA) have adopted the AHERA sampling methodology for all buildings subject to demolition or renovation.

Bulk Sampling

Bulk samples of homogeneous suspect ACMs were collected, where deemed appropriate. A homogeneous material is defined as a surfacing material, thermal system insulation, or miscellaneous material that is uniform in color, texture or age of construction. Examples of homogeneous materials include:

- Pipe-insulation produced by the same manufacturer and installed during the same time period;

- Resilient flooring of identical color and pattern;

- Troweled on surfacing materials located in contiguous areas.

Identified materials were sampled with the aid of a coring device or other hand tool and placed into individual sample containers. Each sample was given a discreet identification number and recorded on field notes as well as chain-of-custody forms. Refer to accompanying tables and appendices for details on material sample locations and results.

Bulk Sample Analysis

Bulk samples were analyzed by Schneider Laboratories (Schneider). Schneider is accredited under the National Institute of Standards and Technology's National Voluntary Laboratory Accreditation Program (NVLAP).

All samples were analyzed using polarized light microscopy (PLM) techniques in accordance with methodology approved by the U.S. Environmental Protection Agency (EPA). As set forth in the Code of Federal Regulations, 40 CFR Part 763, Appendix A to Subpart F, Section 1.2 and 1.7.2.4, the lower limit of reliability

detection for asbestos using the PLM method is approximately one percent (1%) by volume. Cal-OSHA defines asbestos containing construction materials (ACCM) as those materials having asbestos content of greater than one tenth of one percent (>0.1%).

When None Detected (ND) appears in this report, it should be interpreted as meaning no asbestos was observed in the sample material above the reliable limit of detection for the PLM method.

Note: under EPA assessment criteria, if a single sample of a homogeneous material tests positive for asbestos, all homogeneous materials in that building are considered to be asbestos containing.

Bulk Sampling of Lead Paint

Paint chip samples were collected using a hand scraper and were placed into individual plastic sampling containers. Each sample was provided a discreet sample number, which was recorded on a chain-of-custody form. The samples were transported under chain-of-custody procedures to Schneider. Please refer to Table III for details on sample locations and sample results. All paint samples were analyzed for lead content using the Flame Atomic Absorption spectroscopy in accordance to EPA Method SW846-3050-7000A.

4. Asbestos Results

During the survey, a total of forty-five (45) homogeneous suspect materials were identified in the building at the site. Twenty-four (24) homogeneous materials tested positive for asbestos-content or were assumed to contain asbestos. The ACMs are listed below:

TABLE I
ASBESTOS-CONTAINING MATERIAL(S)

Material Description	Material Location	Friability	Asbestos Type
New Car Department Building			
12" Marbly Peach Vinyl Floor Tile with Black Mastic	Server Room, Break Room Conference Room, Accounting Office and Sales Floor	Non-Friable	Tile: 3% CH Mastic: 2% CH*
Texture on Drywall Ceiling	Break Room, Server Room and Women's Restroom (walls & ceilings)	Friable	3% CH
Drywall and taping mud (textured) Ceiling	Break Room, Server Room and Women's Restroom	Friable	Drywall: ND Taping Mud: 2% CH
9" Brown Vinyl	Sales Offices	Non-Friable	Tile: 3% CH Mastic: ND

Material Description	Material Location	Friability	Asbestos Type
Floor Tile & Black Mastic			
9" White Vinyl Floor Tile & Black Mastic	Sales Offices	Non-Friable	Tile: 4% CH Mastic: ND
9" Mauve Vinyl Floor Tile & Black Mastic	Sales Offices	Non-Friable	Tile: 4% CH Mastic: ND
Drywall & Taping Mud	Behind Wood Paneling	Friable	Assumed
Ceramic Floor Tile, Grout & Mortar	Sales Floor and Restrooms	Non-Friable	Assumed
TSI Piping Runs and Elbows	Wall Cavities	Friable	Assumed
Roofing Materials	Roof	Non-Friable	Assumed
Mechanics Buildings			
Untextured Drywall and Taping Mud	Throughout Shops and Mechanics Office	Friable	Drywall: ND Taping Mud: 2% CH
12" Marbly Peach Vinyl Floor Tile & Mastic	Mechanics Office	Non-Friable	Tile: 3% CH Mastic: ND
12" Red Vinyl Floor Tile with White Swirls and Black Mastic	Locker Room and Parts Department	Non-Friable	Tile: 2% CH Mastic: ND
Textured Drywall and Taping Mud	Service Office, Employee Parts and Employee Parts Hallway	Friable	Drywall: ND Taping Mud: 2% CH
Acoustical Ceiling and Wall Texture	Mechanical Shop on the 1st Street Side	Fraible	4% CH
12" Acoustical Ceiling Tiles and Mastic	Parts Sales Floor	Friable	Assumed
Roofing Materials	Roof	Non-Friable	Assumed
New Truck Building			
9" Brown Vinyl Floor Tile and Mastic	Under Carpeting Throughout	Non-Friable	Tile: ND Mastic: 2% CH*
Drywall and taping mud	Behind Wood Paneling	Friable	Assumed
Roofing Materials	Roof	Non-Friable	Assumed
Body Shop			
Roofing Materials	Roof	Non-Friable	Assumed
Paint Shop			
Roofing Materials	Roof	Non-Friable	Assumed
Modular Office			
Drywall and taping mud	Behind wall paneling	Friable	Assumed
Roofing Materials	Roof	Non-Friable	Assumed

CH = Chrysotile, ND = None Detected, * - if the mastic is removed using mechanical methods (including buffer and solvent) the mastic removal will be considered friable.

Table II below summarizes the non-asbestos containing materials identified in each building.

TABLE II
NON-ASBESTOS CONTAINING MATERIAL(S)*

Material Description	Sample Location
New Car Department	
Brown basecove and brown mastic	Throughout
2'x 4' Acoustical ceiling tile with fissure pinhole pattern	Conference Room
Acoustical ceiling texture	Throughout Sales Floor and Accounting Office
12"x 12" Greenish/brown vinyl floor tile with	Sales Floor
Stucco	Exterior
Mechanics Buildings	
12"x 12" Spline ceiling tile	Mechanics Office
12"x 12" Tan vinyl floor tile with brown streaks and black mastic	Service Office
Texture on drywall	Service Office and Parts Department
Brown basecove and beige mastic	Parts Department
12"x 12" Beige vinyl floor tile with tan swirls and yellow mastic	Service Waiting Room Modular
Stucco	Exterior
New Truck Building	
Brown basecove and beige mastic	Throughout
Stucco	Exterior
Body Shop	
Drywall and taping mud (textured)	Throughout Offices, Waiting Room and Restrooms
Texture on drywall	Throughout Offices, Waiting Room and Restrooms
Carpet Mastic	Throughout Offices and Waiting Room
Gray Basecove and beige mastic	Throughout Offices, Waiting Room and Restrooms
Gray vinyl floor sheeting with pebbly pattern	Men's and Women's Restrooms

Stucco	Exterior
Paint Shop	
Drywall and taping mud	Throughout
Modular Office	
Carpet Mastic	Throughout

5. Lead Results

A total of three (3) paint samples were collected from various interior and exterior surfaces of the buildings where it was observed to be delaminating from the substrate. Samples were collected from surfaces with peeling and/or stratified paint. Table III below summarizes the sampling locations and lead content of each material.

TABLE III
LEAD IN PAINT SAMPLE RESULTS

Sample Number	Location	Results mg/kg (ppm)
193885	Blue exterior paint on wood trim of the New Truck Building	2,480
193894	Blue exterior paint on wood siding of the Customer Service Department	<50
193895	Red interior paint on brick in the Mechanics Shop	28,280

PPM= Parts per million

6. Regulatory Requirements

Asbestos

Asbestos-containing building materials in the buildings referenced in this survey report contain asbestos in concentrations of greater than one tenth of one percent (0.1%). Impacting materials containing greater than 0.1% asbestos either through repair, maintenance, renovation or demolition activities triggers numerous regulations enforced by such agencies as OSHA (worker protection) and EPA (environmental exposure, transportation and disposal).

Listed below are the regulations that apply if the materials are removed:

- Any individual who contracts to provide health and safety services relating to asbestos-containing materials must be certified by Cal-OSHA as either a Certified Asbestos Consultant or a Site Surveillance Technician. The activities they are certified to provide include: conducting asbestos surveys; writing work plans or specifications for abatement; monitoring the work of abatement contractors; collecting air samples; and determining if the work area is safe for re-occupancy by non-asbestos workers. Regulation: Cal-OSHA 8 CCR 1529 (q)(1).

- Contractors who perform work in the building of the presence of asbestos in accordance with California Assembly Bill A.B. 3713 and Proposition 65, California (8CCR 1529 (k)) and Federal OSHA (1926.1101) regulations.

- If more than 100 square feet of materials that contain greater than 0.1% asbestos will be abated, the identified materials must be abated by a registered asbestos abatement contractor. Regulation: Cal-OSHA 8 CCR 1529 (R).

- If more than 100 square feet/linear feet of friable ACM will be abated, the abatement contractor must notify the local Air Quality Management District ten (10) days prior to removing the friable ACM. Regulation: National Emission Standards for Hazardous Air Pollutants {NESHAPS – 40 CFR Part 61} as authorized by the Clean Air Act.

- ACMs that are classified by OSHA as miscellaneous/other materials are present. This work is considered a Class II activity according to OSHA regulations. Work practices and engineering controls include critical barriers or isolation of the work area in combination with perimeter monitoring. Regulation: Cal-OSHA 8 CCR 1529 (g) (7) (B)

- Friable ACMs greater than 1% asbestos must be disposed of as hazardous waste in accordance with the Department of Toxic and Substances Control (DTSC) which is a division of Cal-EPA. DTSC regulates disposal of asbestos waste. In California, friable asbestos waste is required to be handled and manifested as a hazardous waste. DTSC issues U.S. EPA hazardous waste generator identification numbers.

Lead-Based Paint

Peeling and otherwise damaged lead-containing paints were identified on interior and exterior building components. Impacting lead-containing paint, either through repair, maintenance, renovation or demolition activities, triggers numerous regulations enforced by such agencies as OSHA (worker protection) and EPA (environmental exposure, transportation and disposal).

Listed below are the lead paint regulations that apply if the paint is removed:

- There are presently no federal, state or local regulations limiting the concentration of lead in public sector buildings, however several regulations established for the private sector as well as for government subsidized housing are used industry wide as guidelines for assessing exposure to lead. The Consumer Product Safety Commission (CPSC) has set a maximum limit of 600 ppm in paint used for residential purposes and the Department of Housing and Urban Development (HUD) requires abatement of paints containing lead in concentrations exceeding 5,000 ppm.

- Disposal of all lead-based paints is regulated at concentrations at or exceeding 350 ppm as stated in 40 Code of Federal Regulations (CFR) Part 263 - Land Disposal Regulations and Title 22, Division 4 Environmental Health of the California Administrative Code. However, lead related work at any lead concentration is regulated under the Occupational Safety and Health statutes.

- The Federal Occupations Safety and Health Administration (OSHA) as well as California OSHA regulate all worker exposure during construction activities that impact lead-based paint. OSHA enforces the Lead Exposure in Construction; Interim Final Rule found in 29 CFR Part 1926.62. The scope covers construction work where employees may be exposed to lead during such activities as demolition, removal, surface preparation for re-painting, renovation, clean-up and routine maintenance. The OSHA specified method of compliance includes respiratory protection, protective clothing and equipment, housekeeping, hygiene facilities, medical surveillance, training, etc.

- EPA Title X requires that the EPA and/or individual states develop training/certification regulations for individuals engaged in lead-based paint activities and requires the EPA to issue guidelines and evaluate renovation and remodeling activities involving lead paint.

8. Recommendations to Implement Regulatory Requirements

Asbestos

- If demolition or renovation of the structures is scheduled, retain the services of a California Certified Asbestos Professional to conduct additional sampling and inspection in order to create a survey document identifying all ACMs at the site.

- Prior to demolition or renovation, develop a performance abatement specification for the removal of the ACMs identified in the survey. The purpose of abatement specifications is to clearly define the scope of work for more competitive and accurate bidding as well as to reduce the number of costly delays and change orders during the project.

- Conduct a pre-bid job-walk for abatement contractors in order to obtain the most competitive pricing.

- Project Management to include all health & safety and environmental construction management such as: project bidding; review of abatement contractor submittals; consultation on regulatory requirements; project tracking; scheduling; attending progress meetings; coordination with all members of the project team; project oversight of abatement contractor.

- Retain a Certified Asbestos Consultant or Site Surveillance Technician to provide on-site construction supervision of the asbestos abatement contractor to ensure utilization of proper work practices as stated in the work plan or specification. The Consultant ensures that local, state and federal regulations are followed and that the project remains on schedule. The on-site Consultant generates documentation of contractor work practices and training, and asbestos air sampling results. The on-site Consultant also ensures that all asbestos materials are removed by the abatement contractor and the waste properly handled or manifested.

- Ensure the Asbestos Consultant collects a sufficient number of air samples on a daily basis to validate that the abatement contractor is not causing any releases of airborne asbestos fibers outside their work area.

- Request the Asbestos Consultant visually reviews the work of the abatement contractor to verify that all the ACMs are abated. If the work areas pass the visual clearance, then final air clearance samples are collected to ensure that the area is safe for re-occupancy.

- Write a final report outlining all activities that transpired throughout the course of the abatement project.

Lead

When lead painted surfaces are abated, the paint debris should be classified as hazardous waste if lead waste concentrations exceed either the total lead concentration or soluble lead concentration regulatory limits. Total lead concentration is determined by Total Threshold Limit Concentration (TTLC). Soluble or leachable lead is determined by the Soluble Threshold Limit Concentration (STLC, California required test) and/or Toxicity Characteristic Leaching Procedure (TCLP) (Federal EPA required test). Regulatory limits characterize a lead waste as a hazardous waste if lead concentration exceeds 350 ppm by TTLC or 5 milligram per liter by STLC or TCLP.

We recommend the following actions prior to the start of building renovation or

demolition:

- Abate any peeling, stratified or blistered lead-containing paint.
- Require abatement contractor to provide workers that are trained by the California Department of Health Services for abatement of lead-based paint.
- Use only trained workers to demolish building components containing intact lead-based paint.
- Worker exposure and environmental monitoring and proper engineering controls should be implemented throughout the lead abatement work.
- Contractor should adhere to OSHA and other applicable state and local regulations for worker protection, hazard communications, work practices, engineering controls and proper waste disposal.
- Following abatement, proper waste stream categorization is required for the disposal of stratified lead-containing paint. Building components that contain intact lead-based paint can be disposed of as construction debris in accordance with the Department of Toxic Substance Control (DTSC). The disposal of lead-containing materials shall be coordinated with the landfill.

9. Limitations

This survey was limited in nature. The information provided in this report is not intended to be used as a biddable document for abatement purposes.

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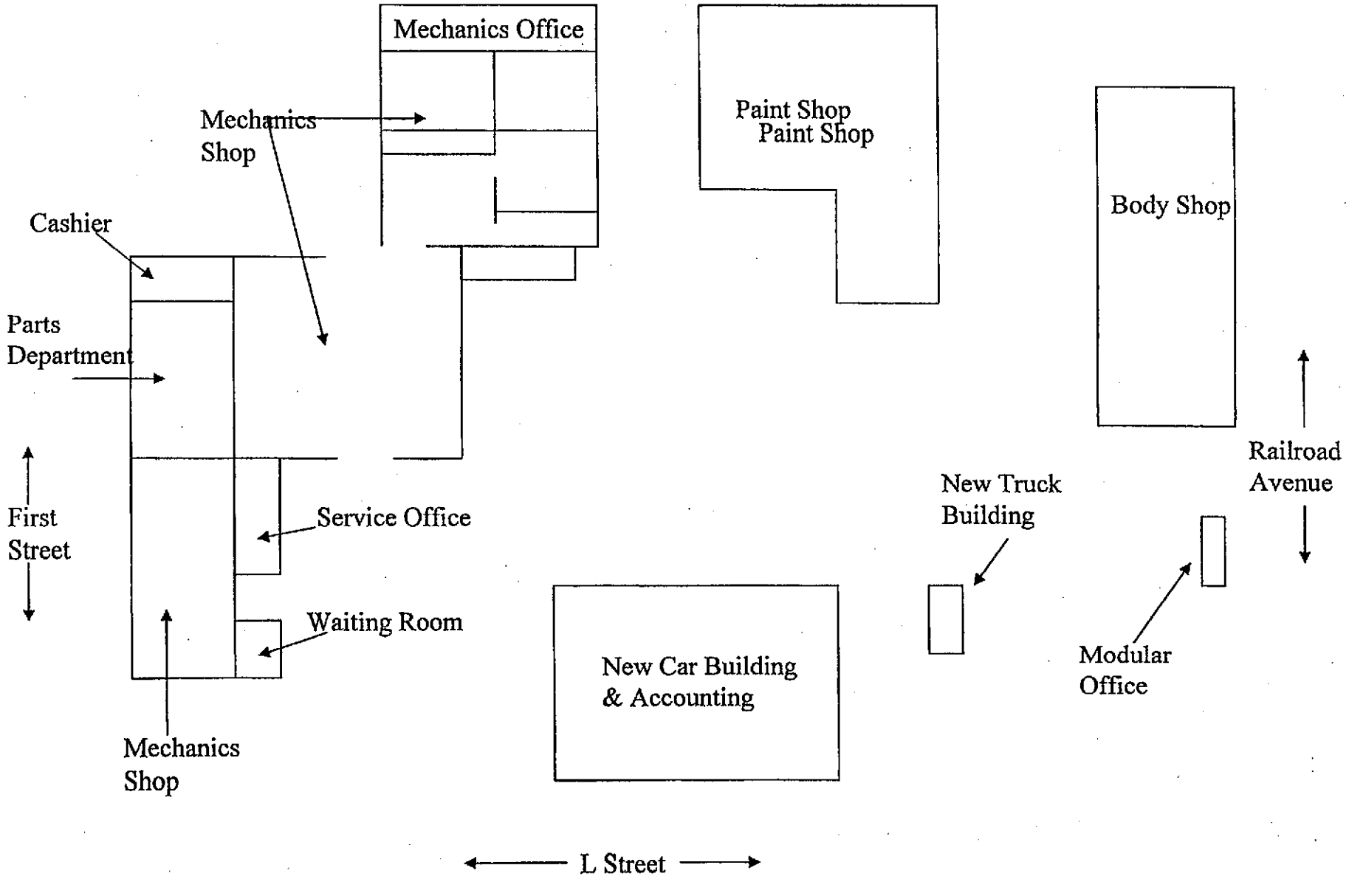
Appendix 1

Site Plan

510-547-7771 fax 510-547-1983 www.rgaenv.com

Environmental, Inc.

Groth Chevrolet: 59 L Street, Livermore, CA



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Appendix 2

Laboratory Results and Chain of Custody –Asbestos

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ACM BULK SAMPLE DATA SHEET

* PLM Analysis
* Stop Analysis at First Positive

PAGE 1 OF 1

P.M. Initial: SJ

Project Name/Address: GROTH CHEVROLET - 59 S. L STREET - LIVERMORE, CA Sampling Date: 10.26.04

RGA Project #: F6R010957 Sampled By: MZ & NA Turnaround Time: ☐ Rush ☑ 24Hrs ☐ 3-5 Days

Sample(s) Sent To: ☐ R.J. Lee ☐ Micro ☐ Other: ☐ 209-525-8109 ☐ (Fax #)

Fax Report To: ☐ 510-899-7080 ☐ 415-834-9670

Sample ID	Sample Location & Material Location	Quantity:
HM# 01	Material Description: DRYWALL & MUD TEXTURED	
193906	BODY SHOP OFFICES	
193889	↓	
193898	↓	
HM# 02	Material Description: TEXTURE ON DRYWALL	
193879	BODY SHOP OFFICES	
193897	↓	
193896	↓	
HM# 03	Material Description: CARPET MASTIC	
193943	BODY SHOP OFFICE	
193941	" WAITING RM	
HM# 04	Material Description: GRAY BASE COVE & BEIGE MASTIC	
193942	BODY SHOP WAITING RM	
193952	" " MEN'S R.R.	
HM# 05	Material Description: STUCCO	
193945	EXTERIOR	
193947	↓	
193944	↓	
HM# 06	Material Description: GRAY VINYL FLOOR SHEETING W/ PEBBLY PATTERN	
193951	BODY SHOP WOMEN'S R.R.	
193946	" " MEN'S " "	

Relinquished By: Signature Date/Time: 10/26/04

Received By: Signature Date/Time:

CA 8446 9084 1979

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LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method 600/R-93/116

ACCOUNT: 3002-04-643
CLIENT: RGA Environmental Inc.
ADDRESS: 1466 66TH STREET
EMERYVILLE, CA 94608-1014

PO NO.:
PROJECT NAME: Groth Chev 59 S L St
PROJECT NO.: FRGO 10957
JOB LOCATION: Livermore CA

DATE COLLECTED: 10/26/2004
DATE RECEIVED: 10/28/2004
DATE ANALYZED: 10/29/2004
DATE REPORTED: 10/29/2004

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
193906	28219929	Body Shop Offices		
	Layer 1:	Drywall	No	White,Powdery
	100% Non-Asbestos		CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 94%	
	Layer 2:	Mud	No	White,Granular
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
193889	28219930	Body Shop Offices		
	Layer 1:	Drywall	No	White,Powdery
	100% Non-Asbestos		CELLULOSE FIBER 2%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 96%	
	Layer 2:	Mud	No	White,Granular
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
193898	28219931	Body Shop Offices		
	Layer 1:	Drywall	No	White,Powdery
	100% Non-Asbestos		CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 94%	
	Layer 2:	Mud	No	White,Granular
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	

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☐ 948 11th St., Ste 11-I, Modesto, CA 94354, Tel: (209) 525-8108, Fax: (209) 525-8109

ACM BULK SAMPLE DATA SHEET

* PLM Analysis
* Stop Analysis at First Positive

PAGE 1 OF 1

Project Name/Address: GROTH CHEVROLET - 59 S. L ST, LIVERMORE, CA P.M. Initial: SJ

RGA Project #: F6RO10957 Sampled By: MZ & NA Sampling Date: 10.26.04

Sample(s) Sent To: ☐ R.J. Lee ☐ Micro ☐ Other: ______ Turnaround Time: ___ Rush ✓ 24Hrs ___ 3-5 Days

Fax Report To: ☐ 510-899-7080 ☐ 415-834-9670 ☐ 209-525-8109 ☐ (Fax #) ______

HM# 1	Material Description: Drywall & Taping Mud	Quantity:
Sample ID	Sample Location & Material Location	
193893	PAINT SHOP	
193905	↓	
193908		

HM#	Material Description:	Quantity:
Sample ID	Sample Location & Material Location	

HM#	Material Description:	Quantity:
Sample ID	Sample Location & Material Location	

HM#	Material Description:	Quantity:
Sample ID	Sample Location & Material Location	

HM#	Material Description:	Quantity:
Sample ID	Sample Location & Material Location	

HM#	Material Description:	Quantity:
Sample ID	Sample Location & Material Location	

Relinquished By: MARY ZHOU [illegible] Signature: [signature] Date/Time: 10/26/04

Received By: [signature] Signature: [signature] Date/Time: 1028-4 10

@ 8446 9am...

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LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method 600/R-93/116

ACCOUNT: 3002-04-646
CLIENT: RGA Environmental Inc.
ADDRESS: 1466 66TH STREET
EMERYVILLE, CA 94608-1014
PO NO.:
PROJECT NAME: Groth Chev 59 S L St
PROJECT NO.: FGRO 10957
JOB LOCATION: Livermore CA

DATE COLLECTED: 10/26/2004
DATE RECEIVED: 10/28/2004
DATE ANALYZED: 10/28/2004
DATE REPORTED: 10/29/2004

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
193893	28220226	Paint Shop		
	Layer 1:	Drywall	No	White, Powdery
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
	Layer 2:	Taping Mud	No	White, Granular
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
193905	28220227	Paint Shop		
	Layer 1:	Drywall	No	White, Powdery
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
	Layer 2:	Taping Mud	No	White, Granular
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
193908	28220228	Paint Shop		
	Layer 1:	Drywall	No	White, Powdery
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
	Layer 2:	Taping Mud	No	White, Granular
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	

ANALYST: FATIMA ELTAYAR
Total no. of pages in report = 1

REVIEWED BY Sami A. Hosn, Asst. Lab Director

Samples analyzed by the EPA Test Method are subject to the inherent limitations of light microscopy including interference by matrix components. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. For calibrated visual estimate, 1% is the concentration at which there is a quantitative uncertainty. This report relates only to the items tested, must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other government agency endorsement.

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ACM BULK SAMPLE DATA SHEET

* PLM Analysis
* Stop Analysis at First Positive

PAGE 1 OF 1

Project Name/Address: GROTH CHEVROLET - 59 S. L STREET, LIVERMORE   P.M. Initial: SJ

RGA Project #: FGRO 10957   Sampled By: MZ + NA   Sampling Date: 10.26.04

Turnaround Time: __Rush ☑ 24Hrs __3-5 Days

Sample(s) Sent To: ☐ R.J. Lee ☐ Micro ☑ Other: ________

Fax Report To: ☑ 510-899-7080 ☐ 415-834-9670 ☐ 209-525-8109 ☐ (Fax #) ________

HM# 1	Material Description: CARPET MASTIC	Quantity:
Sample ID	Sample Location & Material Location	
193969	MODULAR OFFICE (NEAR BODY SHOP)	
193974	" " " " "	

HM#	Material Description:	Quantity:
Sample ID	Sample Location & Material Location	

HM#	Material Description:	Quantity:
Sample ID	Sample Location & Material Location	

HM#	Material Description:	Quantity:
Sample ID	Sample Location & Material Location	

HM#	Material Description:	Quantity:
Sample ID	Sample Location & Material Location	

HM#	Material Description:	Quantity:
Sample ID	Sample Location & Material Location	
	- FLOORING, CEILING, WOOD PANELING	

Relinquished By: MARY ZUBIRICH   Signature: [signature]   Date/Time: 10/26/04

Received By: ________ [signature]   Signature: ________   Date/Time: 1028-4 [illegible]

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LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method 600/R-93/116

ACCOUNT:	3002-04-641	**DATE COLLECTED:**	10/26/2004
CLIENT:	RGA Environmental Inc.	**DATE RECEIVED:**	10/28/2004
ADDRESS:	1466 66TH STREET	**DATE ANALYZED:**	10/28/2004
	EMERYVILLE, CA 94608-1014	**DATE REPORTED:**	10/28/2004
PO NO.:			
PROJECT NAME:	Groth Chev 59 S L St		
PROJECT NO.:	FGRO 10957		
JOB LOCATION:	Livermore		

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
193969	28219812	Modular Office		
	Layer 1:	Mastic	No	Yellow, Soft
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
193974	28219813	Modular Office		
	Layer 1:	Mastic	No	Yellow, Soft
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	

ANALYST: FATIMA ELTAYAR

Total no. of pages in report = /

REVIEWED BY **Hind Eldanaf, Analyst**

Samples analyzed by the EPA Test Method are subject to the inherent limitations of light microscopy including interference by matrix components. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. For calibrated visual estimate, 1% is the concentration at which there is a quantitative uncertainty. This report relates only to the items tested, must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other government agency endorsement.

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ACM BULK SAMPLE DATA SHEET

* PLM Analysis
* Stop Analysis at First Positive

PAGE 1 OF ____

Project Name/Address: GROTH CHEVROLET - 59 S. L' STREET - LIVERMORE, CA P.M. Initial: SJ

RGA Project #: FGRO 10957 Sampled By: MZ & NA Sampling Date: 10.26.04

Sample(s) Sent To: ☐ R.J. Lee ☐ Micro ☑ Other: ________ Turnaround Time: ___Rush ✓ 24Hrs ___3-5 Days

Fax Report To: ☑ 510-899-7080 ☐ 415-834-9670 ☐ 209-525-8109 ☐ (Fax #) ________

HM# 01	Material Description: 12" MARBLY PEACH VFT W/ BLACK MASTIC — Quantity:
Sample ID	Sample Location & Material Location
193924	NEW CAR DEPARTMENT - SERVER RM
193927	" " CONF. RM
193929	" " SALES FL.
HM# 02	**Material Description: BROWN BASECOVE & BROWN MASTIC — Quantity:**
Sample ID	Sample Location & Material Location
193925	NEW CAR DEPARTMENT - SERVER RM
193904	" " CONF. RM
193882	" " OFFICE
HM# 03	**Material Description: TEXTURE ON DRYWALL CEILING — Quantity:**
Sample ID	Sample Location & Material Location
193926	NEW CAR DEPARTMENT - SERVER RM
193928	" " BREAK RM
193901	" " GIRLS R.R HALL
HM# 04	**Material Description: TEXTURED DRYWALL CEILING — Quantity:**
Sample ID	Sample Location & Material Location
193891	NEW CAR DEPARTMENT - BREAK RM
193899	" " CONF RM (UNTEXT.) - WOOD PANELING THROUGHOUT
193900	" " WOMEN'S R.R. HALL
HM# 05	**Material Description: 2x4 ACOUSTICAL CEILING TILE — Quantity:**
Sample ID	Sample Location & Material Location
193878	NEW CAR DEPT. - CONF. RM
193877	" " "
HM# 06	**Material Description: ACOUSTICAL CEILING TEXTURE — Quantity:**
Sample ID	Sample Location & Material Location
193903	NEW CAR DEPT - ACCOUNTING
193875	" " SALES FL.
193876	" " "

Relinquished By: MARY ZIBRICH Signature: [signature] Date/Time: 10/26/04

Received By: [signature] Signature: [signature] Date/Time: 10-28-04 1:20

FX 8446 9084 1919

J002-04-1044

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ACM BULK SAMPLE DATA SHEET

* PLM Analysis
* Stop Analysis at First Positive

PAGE 2 OF ____

Project Name/Address: GROTH CHEVROLET - 59 S. L' STREET, LIVERMORE, CA   P.M. Initial: SJ

RGA Project #: FGRO 10957   Sampled By: MZ & NA   Sampling Date: 10.26.04

Sample(s) Sent To: ☐ R.J. Lee ☐ Micro ☑ Other: ____   Turnaround Time: __ Rush ☑ 24Hrs __ 3-5 Days

Fax Report To: ☑ 510-899-7080 ☐ 415-834-9670 ☐ 209-525-8109 ☐ (Fax #) ____

HM# 07	Material Description: 12" SWIRLY GREEN/BROWN VFT	
Sample ID	Sample Location & Material Location	Quantity:
193930	NEW CAR DEPT - SALES FL.	
193883	" " "	

HM# 08	Material Description: 9" BROWN VFT W/ BLACK MASTIC	
Sample ID	Sample Location & Material Location	Quantity:
193932	NEW CAR DEPT. - OFFICE	
193931	" " " "	

HM# 09	Material Description: 9" WHITE VFT W/ BLACK MASTIC	
Sample ID	Sample Location & Material Location	Quantity:
193935	NEW CAR DEPT - SALES OFF. (PATTERN)	

HM# 10	Material Description: 9" MAUVE VFT W/ RED STREAKS & BLACK MASTIC	
Sample ID	Sample Location & Material Location	Quantity:
193934	NEW CAR DEPT - SALES OFF. (PATTERN)	

HM# 11	Material Description: STUCCO	
Sample ID	Sample Location & Material Location	Quantity:
193933	EXTERIOR	
193936	↓	
193938		

HM#	Material Description:	
Sample ID	Sample Location & Material Location	Quantity:

Relinquished By: MANY MORENO   Signature: [signature]   Date/Time: 10/26/04

Received By: [signature]   Signature: ____   Date/Time: 1028-4

CA 8442 9:00 [illegible]

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LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method 600/R-93/116

ACCOUNT: 3002-04-644
CLIENT: RGA Environmental Inc.
ADDRESS: 1466 66TH STREET
EMERYVILLE, CA 94608-1014

PO NO.:
PROJECT NAME: Groth Chev 59 S L St
PROJECT NO.: FGRO 10957
JOB LOCATION: Livermore CA

DATE COLLECTED: 10/26/2004
DATE RECEIVED: 10/28/2004
DATE ANALYZED: 10/29/2004
DATE REPORTED: 10/29/2004

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
193924	28219981	New Car Dept Serv Rm		
	Layer 1:	Vinyl Floor Tile	**Yes**	Brown,Organically Bound
	3% Asbestos	CHRYSOTILE 3%		
	97% Non-Asbestos	NON FIBROUS MATERIAL 97%		
	Layer 2:	Mastic	**Yes**	Black,Bituminous
	2% Asbestos	CHRYSOTILE 2%		
	98% Non-Asbestos	NON FIBROUS MATERIAL 98%		
193927	28219982	New Car Dept Cnf Rm		
	Layer 1:	Vinyl Floor Tile		
	No Mastic Found			
	Not analyzed due to positive stop instructions.			
193929	28219983	New Ca Dept Sales F		
	Layer 1:	Vinyl Floor Tile		
	Not analyzed due to positive stop instructions.			
	Layer 2:	Mastic		
	Not analyzed due to positive stop instructions.			
193925	28219984	New Car Dept Serv Rm		
	Layer 1:	Base Cove	**No**	Brown,Rubbery
	100% Non-Asbestos	NON FIBROUS MATERIAL 100%		

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Client Sample No:	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
	Layer 2:	Mastic	No	Brown,Soft
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
193904	28219985	New Car Dept Cnf Rm		
	Layer 1:	Base Cove	No	Brown,Rubbery
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
	Layer 2:	Mastic	No	Brown,Soft
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
193882	28219986	New Car Dept Office		
	Layer 1:	Base Cove	No	Brown,Rubbery
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
	Layer 2:	Mastic	No	Brown,Soft
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
193926	28219987	New Car Dept Serv Rm		
	Layer 1:	Texture Material	Yes	Beige,Granular
	3% Asbestos		CHRYSOTILE 3%	
	97% Non-Asbestos		NON FIBROUS MATERIAL 97%	
193928	28219988	New Car Dept Brk Rm		
	Layer 1:	Texture Material		
	Not analyzed due to positive stop instructions.			
193901	28219989	New Car Dept Grls RR		
	Layer 1:	Texture Material		
	Not analyzed due to positive stop instructions.			
193891	28219990	New Car Dept Brk Rm		
	Layer 1:	Drywall	No	White,Powdery
	100% Non-Asbestos		CELLULOSE FIBER 4%, NON FIBROUS MATERIAL 96%	
	Layer 2:	Texture Material	Yes	Beige,Granular
	2% Asbestos		CHRYSOTILE 2%	
	98% Non-Asbestos		NON FIBROUS MATERIAL 98%	
193899	28219991	New Car Dept Cnf Rm		
	Layer 1:	Drywall	No	White,Powdery
	100% Non-Asbestos		CELLULOSE FIBER 4%, NON FIBROUS MATERIAL 96%	
	Layer 2:	Textured Material		
	Not analyzed due to positive stop instructions.			

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
193900	28219992	New Car Dept Wmns RF		
	Layer 1:	Textured Material		
	No Drywall Found			
	Not analyzed due to positive stop instructions.			
193878	28219993	New Car Dept Cnf Rm		
	Layer 1:	Ceiling Tile	No	White,Fibrous
	100% Non-Asbestos			CELLULOSE FIBER 45%, FOAMED GLASS 10%, MINERAL/GLASS WOOL 35%, NON FIBROUS MATERIAL 10%
193877	28219994	New Car Dept Cnf Rm		
	Layer 1:	Ceiling Tile	No	White,Fibrous
	100% Non-Asbestos			CELLULOSE FIBER 45%, FOAMED GLASS 10%, MINERAL/GLASS WOOL 35%, NON FIBROUS MATERIAL 10%
193903	28219995	New Car Dept Acontng		
	Layer 1:	Texture	No	White,Granular
	100% Non-Asbestos			NON FIBROUS MATERIAL 100%
193875	28219996	New Car Dept Sales F		
	Layer 1:	Texture	No	White,Granular
	100% Non-Asbestos			NON FIBROUS MATERIAL 100%
193876	28219997	New Car Dept Sales F		
	Layer 1:	Texture	No	White,Granular
	100% Non-Asbestos			NON FIBROUS MATERIAL 100%
193930	28219998	New Car Dept Sales F		
	Layer 1:	Vinyl Floor Tile	No	Brown,Organically Bound
	100% Non-Asbestos			NON FIBROUS MATERIAL 100%
	Layer 2:	Mastic	No	Brown,Soft
	100% Non-Asbestos			NON FIBROUS MATERIAL 100%
193883	28219999	New Car Dept Sales F		
	Layer 1:	Vinyl Floor Tile	No	Brown, Organically Bound
	100% Non-Asbestos			NON FIBROUS MATERIAL 100%
	Layer 2:	Mastic	No	Brown, Soft
	100% Non-Asbestos			NON FIBROUS MATERIAL 100%
193932	28220000	New Car Dept Office		
	Layer 1:	Vinyl Floor Tile	Yes	Brown,Organically Bound
	3% Asbestos			CHRYSOTILE 3%
	97% Non-Asbestos			NON FIBROUS MATERIAL 97%

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
	Layer 2:	Mastic	No	Black,Bituminous
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
193931	28220001	New Car Dept Office		
	Layer 1:	Vinyl Floor Tile		
	Not analyzed due to positive stop instructions.			
	Layer 2:	Mastic	No	Black,Bituminous
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
193935	28220002	New Car Dept Sls Off		
	Layer 1:	Vinyl Floor Tile	Yes	White,Organically Bound
	4% Asbestos		CHRYSOTILE 4%	
	96% Non-Asbestos		NON FIBROUS MATERIAL 96%	
	Layer 2:	Mastic	No	Black,Bituminous
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
193934	28220003	New Car Dept Sls Off		
	Layer 1:	Vinyl Floor Tile	Yes	Brown,Organically Bound
	4% Asbestos		CHRYSOTILE 4%	
	96% Non-Asbestos		NON FIBROUS MATERIAL 96%	
	Layer 2:	Mastic	No	Black,Bituminous
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
193933	28220004	Exterior		
	Layer 1:	Stucco	No	Brown,Granular
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
193936	28220005	Exterior		
	Layer 1:	Stucco	No	Brown,Granular
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
193938	28220006	Exterior		
	Layer 1:	Stucco	No	Beige,Granular
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	

ANALYST: FATIMA ELTAYAR
Total no. of pages in report = 4

REVIEWED BY Sami A. Hosn, Asst. Lab Director

Samples analyzed by the EPA Test Method are subject to the inherent limitations of light microscopy including interference by matrix components. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. For calibrated visual estimate, 1% is the concentration at which there is a quantitative uncertainty. This report relates only to the items tested, must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other government agency endorsement.

0004-01-045

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ACM BULK SAMPLE DATA SHEET

* PLM Analysis
* Stop Analysis at First Positive

PAGE ___ OF ___

Project Name/Address: GROTH CHEVROLET - 59 S L STREET - LIVERMORE, CA P.M. Initial: SJ

RGA Project #: FSRO 10957 Sampled By: MZ4 NA Sampling Date: 10.26.04

Sample(s) Sent To: ☐ R.J. Lee ☐ Micro ☐ Other: ____ Turnaround Time: __ Rush ✓ 24Hrs __ 3-5 Days

Fax Report To: ☐ 510-899-7080 ☐ 415-834-9670 ☐ 209-525-8109 ☐ (Fax #) ____

HM# 01	Material Description: DRYWALL & MUD
Sample ID	Sample Location & Material Location — Quantity:
193880	MECH. BLDG. OFFICE
193911	↓ B/T SHOPS
193910	↓

HM# 02	Material Description: 12" MARBLY PEACH VFT W/ MASTIC
Sample ID	Sample Location & Material Location — Quantity:
193948	MECH. BLDG OFFICE
193949	" " "

HM# 03	Material Description: 12" ACOUSTICAL CEILING TILE - SPLINE
Sample ID	Sample Location & Material Location — Quantity:
193959	MECH. BLDG OFFICE

HM# 04	Material Description: 12" RED VFT W/ WHITE SWIRLS & BLACK MASTIC
Sample ID	Sample Location & Material Location — Quantity:
193963	MECH. BLDG. LOCKER RM
193953	" " " "
193967	" " PARTS

HM# 05	Material Description: 12" TAN VFT W/ BROWN STREAKS & BLACK MASTIC
Sample ID	Sample Location & Material Location — Quantity:
193955	SERVICE OFFICE
193954	" "

HM# 06	Material Description: DRYWALL & MUD - TEXTURED
Sample ID	Sample Location & Material Location — Quantity:
193956	SERVICE OFFICE
193909	EMPLOYEE PARTS
~~193881~~	" " HALLWAY
193966	

Relinquished By: Mary Zwillich Signature: [signature] Date/Time: 10/26/04

Received By: [signature] Signature: [signature] Date/Time: 10-28-4 10A

Gx Pulls O...

5002-04-645

RGA Environmental, Inc.

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ACM BULK SAMPLE DATA SHEET

* PLM Analysis
* Stop Analysis at First Positive

PAGE 2 OF ____

Project Name/Address: GROTH CHEVROLET - 59 S L ST., LIVERMORE, CA P.M. Initial: SJ

RGA Project #: F&D 10957 Sampled By: MZ + NA Sampling Date: 10.26.04

Sample(s) Sent To: ☐ R.J. Lee ☐ Micro ☐ Other: _____ Turnaround Time: ___ Rush ☒ 24Hrs ___ 3-5 Days

Fax Report To: ☐ 510-899-7080 ☐ 415-834-9670 ☐ 209-525-8109 ☐ (Fax #) _____

HM# 07	Material Description: TEXTURE ON DRYWALL	
Sample ID	Sample Location & Material Location	Quantity:
193957	SERVICE DEPT	
193958	" "	
193881	EMPLOYEE PARTS	
HM# 08	**Material Description: ACOUSTICAL CEILING TEXTURE**	
Sample ID	Sample Location & Material Location	Quantity:
193962	MECH. SHOP - BACK SIDE OF SERVICE	
193964	↓	
193973	↓	
HM# 09	**Material Description: BROWN BASE COAT & BEIGE MASTIC**	
Sample ID:	Sample Location & Material Location	Quantity:
193960	PARTS R.R.	
193961	" HALLWAY	
HM# 10	**Material Description: STUCCO**	
Sample ID	Sample Location & Material Location	Quantity:
193950	EXTERIOR	
193968	↓	
193965	↓	
HM# 11	**Material Description: 12" BEIGE VFT W/ TAN SWIRLS & YELLOW MASTIC**	
Sample ID	Sample Location & Material Location	Quantity:
193902	MECH. VARTINE MODULAR	
193890	" " "	
HM#	**Material Description:**	
Sample ID	Sample Location & Material Location	Quantity:
	- 12" VCT IN PARTS - 20' CEILING	

Relinquished By: MARY GROTH Signature: [signature] Date/Time: 10/26/04

Received By: _____ Signature: [signature] Date/Time: 10/28-4 10

CK 8446 9.00

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LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method 600/R-93/116

ACCOUNT: 3002-04-645
CLIENT: RGA Environmental Inc.
ADDRESS: 1466 66TH STREET
EMERYVILLE, CA 94608-1014

PO NO.:
PROJECT NAME: Groth Chev 59 S L St
PROJECT NO.: RGRO 10957
JOB LOCATION: Livermore CA

DATE COLLECTED: 10/26/2004
DATE RECEIVED: 10/28/2004
DATE ANALYZED: 10/28/2004
DATE REPORTED: 10/29/2004

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
193880	28220152	Mech Bldg Office		
	Layer 1:	Drywall	No	White,Powdery
	100% Non-Asbestos		CELLULOSE FIBER 3%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 95%	
	Layer 2:	Mud	**Yes**	Beige,Granular
	2% Asbestos		CHRYSOTILE 2%	
	98% Non-Asbestos		NON FIBROUS MATERIAL 98%	
193911	28220153	Mech Bldg B/T Shop		
	Layer 1:	Drywall	**No**	White,Powdery
	100% Non-Asbestos		CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 94%	
	Layer 2:	Mud		
	Not analyzed due to positive stop instructions.			
193910	28220154	Mech Bldg Office		
	Layer 1:	Drywall	**No**	White,Powdery
	100% Non-Asbestos		CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 94%	
	Layer 2:	Mud		
	Not analyzed due to positive stop instructions.			

Samples analyzed by the EPA Test Method are subject to the inherent limitations of light microscopy including interference by matrix components. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. For calibrated visual estimate, 1% is the concentration at which there is a quantitative uncertainty. This report relates only to the items tested, must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other government agency endorsement.

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
193948	28220155	Mech Bldg Office		
	Layer 1:	Vinyl Floor Tile	**Yes**	Gray,Organically Bound
	3% Asbestos		CHRYSOTILE 3%	
	97% Non-Asbestos		NON FIBROUS MATERIAL 97%	
	No Mastic Found			
193949	28220156	Mech Bldg Office		
	Layer 1:	Vinyl Floor Tile		
	No Mastic Found			
	Not analyzed due to positive stop instructions.			
193959	28220157	Mech Bldg Office		
	Layer 1:	Ceiling Tile	**No**	White,Fibrous
	100% Non-Asbestos		CELLULOSE FIBER 90%, NON FIBROUS MATERIAL 10%	
193963	28220158	Mech Bldg Locker Rm		
	Layer 1:	Vinyl Floor Tile	**Yes**	Red,Organically Bound
	2% Asbestos		CHRYSOTILE 2%	
	98% Non-Asbestos		NON FIBROUS MATERIAL 98%	
	Layer 2:	Mastic	**No**	Black,Bituminous
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
193953	28220159	Mech Bldg Locker Rm		
	Layer 1:	Vinyl Floor Tile		
	Not analyzed due to positive stop instructions.			
	Layer 2:	Mastic	**No**	Black,Bituminous
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
193967	28220160	Mech Bldg Lkr Parts		
	Layer 1:	Vinyl Floor Tile		
	Not analyzed due to positive stop instructions.			
	Layer 2:	Mastic	**No**	Black,Bituminous
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
193955	28220161	Service Office		
	Layer 1:	Vinyl Floor Tile	**No**	Tan,Organically Bound
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
	Layer 2:	Mastic	**No**	Black,Bituminous
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
193954	28220162	Service Office		
	Layer 1:			
	Container contained no sample.			
193956	28220163	Service Office		
	Layer 1:	Drywall	**No**	White,Powdery
	100% Non-Asbestos			CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 94%
	Layer 2:	Mud	**No**	White,Granular
	100% Non-Asbestos			NON FIBROUS MATERIAL 100%
193909	28220164	Employee Parts		
	Layer 1:	Drywall	**No**	White,Powdery
	100% Non-Asbestos			CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 94%
	Layer 2:	Mud	**Yes**	Beige,Granular
	2% Asbestos			CHRYSOTILE 2%
	98% Non-Asbestos			NON FIBROUS MATERIAL 98%
193966	28220165	Employ Parts Hallway		
	Layer 1:	Drywall	**No**	White,Powdery
	100% Non-Asbestos			CELLULOSE FIBER 4%, MINERAL/GLASS WOOL 2%, NON FIBROUS MATERIAL 94%
	Layer 2:	Mud		
	Not analyzed due to positive stop instructions.			
193957	28220166	Service Dept		
	Layer 1:	Texture	**No**	White,Granular
	100% Non-Asbestos			NON FIBROUS MATERIAL 100%
193958	28220167	Service Dept		
	Layer 1:	Texture	**No**	White,Granular
	100% Non-Asbestos			NON FIBROUS MATERIAL 100%
193881	28220168	Employee Parts		
	Layer 1:	Texture	**No**	White,Granular
	100% Non-Asbestos			NON FIBROUS MATERIAL 100%
193962	28220169	Mech Shop Back Side		
	Layer 1:	Ceiling Texture	**Yes**	White,Granular
	4% Asbestos			CHRYSOTILE 4%
	96% Non-Asbestos			NON FIBROUS MATERIAL 96%

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
193964	28220170	Mech Shop Back Side		
	Layer 1:	Ceiling Texture		
	Not analyzed due to positive stop instructions.			
193973	28220171	Mech Shop Back Side		
	Layer 1:	Ceiling Texture		
	Not analyzed due to positive stop instructions.			
193960	28220172	Parts RR		
	Layer 1:	Base Cove	**No**	Brown,Rubbery
	100% Non-Asbestos	NON FIBROUS MATERIAL 100%		
	Layer 2:	Mastic	**No**	Beige,Soft
	100% Non-Asbestos	NON FIBROUS MATERIAL 100%		
	Layer 3:	Granular Material	**Yes**	Beige,Granular
	2% Asbestos	CHRYSOTILE 2%		
	98% Non-Asbestos	NON FIBROUS MATERIAL 98%		
193961	28220173	Parts Hallway		
	Layer 1:	Base Cove	**No**	Brown,Rubbery
	100% Non-Asbestos	NON FIBROUS MATERIAL 100%		
	Layer 2:	Mastic	**No**	Beige,Soft
	100% Non-Asbestos	NON FIBROUS MATERIAL 100%		
	Layer 3:	Granular Material		
	Not analyzed due to positive stop instructions.			
193950	28220174	Exterior		
	Layer 1:	Stucco	**No**	Yellow,Granular
	100% Non-Asbestos	NON FIBROUS MATERIAL 100%		
193968	28220175	Exterior		
	Layer 1:	Stucco	**No**	Yellow,Granular
	100% Non-Asbestos	NON FIBROUS MATERIAL 100%		
193965	28220176	Exterior		
	Layer 1:	Stucco	**No**	Yellow,Granular
	100% Non-Asbestos	NON FIBROUS MATERIAL 100%		
193902	28220177	Mech Waiting Modular		
	Layer 1:	Vinyl Floor Tile	**No**	Tan,Organically Bound
	100% Non-Asbestos	NON FIBROUS MATERIAL 100%		

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
	Layer 2:	Mastic	No	Yellow,Soft
	100% Non-Asbestos	NON FIBROUS MATERIAL 100%		
193890	28220178	Mech Waiting Modular		
	Layer 1:	Vinyl Floor Tile	No	Tan,Organically Bound
	100% Non-Asbestos	NON FIBROUS MATERIAL 100%		
	Layer 2:	Mastic	No	Yellow,Soft
	100% Non-Asbestos	NON FIBROUS MATERIAL 100%		

ANALYST: SAMANI ABDELFADIEL

Total no. of pages in report = 5

REVIEWED BY Sami A. Hosn, Asst. Lab Director

Samples analyzed by the EPA Test Method are subject to the inherent limitations of light microscopy including interference by matrix components. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. For calibrated visual estimate, 1% is the concentration at which there is a quantitative uncertainty. This report relates only to the items tested, must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other government agency endorsement.

5002-04-6640

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ACM BULK SAMPLE DATA SHEET

* PLM Analysis
* Stop Analysis at First Positive

PAGE 1 OF 1

Project Name/Address: GROTH CHEVROLET - 591 S. L STREET - LIVERMORE, CA P.M. Initial: SJ

RGA Project #: FGRO 10957 Sampled By: MZ & NA Sampling Date: 10.26.04

Sample(s) Sent To: ☐ R.J. Lee ☐ Micro ☐ Other: _____ Turnaround Time: ___ Rush ☒ 24Hrs ___ 3-5 Days

Fax Report To: ☐ 510-899-7080 ☐ 415-834-9670 ☐ 209-525-8109 ☐ (Fax #) _____

HM# 01	Material Description: 9" BROWN VFT W/ BROWN & WHITE SPOTS	
Sample ID	Sample Location & Material Location	Quantity:
193888	NEW TRUCK SMALL BLDG	
193886		

HM# 02	Material Description: BROWN FIBERCONC	
Sample ID	Sample Location & Material Location	Quantity:
193887	NEW TRUCK BLDG	

HM# 03	Material Description: STUCCO	
Sample ID	Sample Location & Material Location	Quantity:
193939	EXTERIOR	
193940	↓	
193937		

HM#	Material Description:	
Sample ID	Sample Location & Material Location	Quantity:

HM#	Material Description:	
Sample ID	Sample Location & Material Location	Quantity:

HM#	Material Description:	
Sample ID	Sample Location & Material Location	Quantity:
	- WOOD PANELING, WOOD CEILING, TAR & GRAVEL ROOF, STUCCO EXT.	

Relinquished By: MARK WELCH Signature: _____ Date/Time: 10/26/04

Received By: _____ Signature: _____ Date/Time: 10/26/04 10A

CA 8446 9084 1979

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LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method 600/R-93/116

ACCOUNT: 3002-04-640
CLIENT: RGA Environmental Inc.
ADDRESS: 1466 66TH STREET
EMERYVILLE, CA 94608-1014

PO NO.:
PROJECT NAME: Groth Chev 59 S L St
PROJECT NO.: FGRO 10957
JOB LOCATION: Livermore, CA

DATE COLLECTED: 10/26/2004
DATE RECEIVED: 10/28/2004
DATE ANALYZED: 10/28/2004
DATE REPORTED: 10/28/2004

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
193888	28219799	New Truck Small Bldg		
	Layer 1:	Vinyl Floor Tile	**No**	Brown, Organically Bound
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
	Layer 2:	Mastic	**Yes**	Tan, Brittle
	2% Asbestos		CHRYSOTILE 2%	
	98% Non-Asbestos		NON FIBROUS MATERIAL 98%	
193886	28219800	New Truck Small Bldg		
	Layer 1:	Vinyl Floor Tile	**No**	Brown, Organically Bound
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
	Layer 2:	Mastic		
	Not analyzed due to positive stop instructions.			
193887	28219801	New Truck Bldg		
	Layer 1:	Base Cove	**No**	Brown, Rubbery
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
	Layer 2:	Mastic	**No**	Yellow, Soft
	100% Non-Asbestos		CELLULOSE FIBER 3%, NON FIBROUS MATERIAL 97%	
193939	28219802	Exterior		
	Layer 1:	Stucco	**No**	Cream/Black, Granular
	100% Non-Asbestos		CELLULOSE FIBER 4%, NON FIBROUS MATERIAL 96%	
	Unable to separate individual layers.			

Samples analyzed by the EPA Test Method are subject to the inherent limitations of light microscopy including interference by matrix components. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. For calibrated visual estimate, 1% is the concentration at which there is a quantitative uncertainty. This report relates only to the items tested, must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other government agency endorsement.

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	Asbestos Detected (Yes/No)	Sample Description
193940	28219803	Exterior		
	Layer 1:	Stucco	No	Cream, Granular
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	
193937	28219804	Exterior		
	Layer 1:	Stucco	No	Cream, Granular
	100% Non-Asbestos		NON FIBROUS MATERIAL 100%	

ANALYST: HALA A. OSMAN
Total no. of pages in report =

REVIEWED BY Katherine M. Charles, Analyst

Samples analyzed by the EPA Test Method are subject to the inherent limitations of light microscopy including interference by matrix components. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. For calibrated visual estimate, 1% is the concentration at which there is a quantitative uncertainty. This report relates only to the items tested, must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other government agency endorsement.

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ENVIRONMENTAL INC.

Appendix 3

Laboratory Results and Chain of Custody –Lead

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LABORATORY ANALYSIS REPORT

Lead Analysis by EPA 3050B/7420 Method

ACCOUNT #: 3002-04-642
CLIENT: RGA Environmental Inc.
ADDRESS: 1466 66TH STREET
EMERYVILLE, CA 94608-1014
PO NO.:
PROJECT NAME: Groth Chev 59 S L St
PROJECT NO: FGRO 10957
JOB LOCATION: Livermore CA

DATE COLLECTED: 10/26/2004
DATE RECEIVED: 10/28/2004
DATE ANALYZED: 10/28/2004
DATE REPORTED: 10/28/2004

SAMPLE TYPE: PAINT

SLI Sample No.	Client Sample No.	Sample Description	Sample Wt (mg)	Dilution Factor	Total Lead (µg)*	Lead Conc (% by wt)	Lead Conc (PPM)
28219885	193885	Blue New Truck Bldg	495	2	1,225.5	0.248	2480
28219886	193894	Blue Serv Dept Cust.	443	1	< 20.0	< 0.005	< 50
28219887	193895	Red Mech Shop	512	20	14,479.8	2.828	28280

Analysis Run ID: 31935

ANALYST: CHARLIE BOU-CHAKRA
Total no. of pages in report = 1

REVIEWED BY For M. Todd Wilson **Matthew D. Asbury, Lab Director**

*Minimum Reporting Limit: 20 µg Total Lead. For work involving HUD, child-occupied building and other residential units, the Federal Lead Standard is 0.5% lead by weight [5000 ppm]. The requirements of the OSHA Lead in Construction Standard, 29 CFR 1926.62, are invoked if any lead is present in the sample; there is no minimum concentration. Lead-free paint is defined as <0.06% by weight (CPSC). *For true values, assume two (2) significant figures. All testing is performed in strict accordance with Schneider Laboratories, Inc. protocol.*

5000-04-1040

RGA Environmental, Inc.

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Fax: (510) 547-1983

☐ 311 California Street Ste 310
San Francisco, CA 94102
Tel: (415) 834-9660
Fax: (415) 834-9670

☐ 948 - 11th St., Ste 11-I
Modesto, CA 94354
Tel: (209) 525-8108
Fax: (209) 525-8109

LEAD PAINT SAMPLE DATA SHEET

* Lead Analysis
- Total Threshold Limit Concentration

Project Name/Address: GROTH CHEVROLET - 59 S. L ST., LIVERMORE, CA P.M. Initial: ST

RGA Project #: FGRO 10957 Sampled By: MZ INA Sampling Date: 10.26.04

Sample(s) Sent To: ☐ R.J. Lee ☐ Micro ☒ Other: _____ Turnaround Time: ___Rush ☒ 24Hrs ___3-5 Days

Fax Report To: ☒ 510-899-7080 ☐ 415-834-9670 ☐ 209-525-8109 ☐ (Fax #) _____

Sample ID	Paint Description and Sample Location	Peeling Quantity
193885	Paint Color: BLUE Substrate: WOOD TRIM Composite Sample: Y / N Sample Location: NEW TRUCK BRIDGE	100SF
193894	Paint Color: BLUE Substrate: WOOD SIDING Composite Sample: Y / N Sample Location: SERVICE DEPT. CUSTOMER	
193895	Paint Color: RED Substrate: BRICK WALL Composite Sample: Y / N Sample Location: MECH. SHOP	
	Paint Color: _____ Substrate: _____ Composite Sample: Y / N Sample Location:	
	Paint Color: _____ Substrate: _____ Composite Sample: Y / N Sample Location:	
	Paint Color: _____ Substrate: _____ Composite Sample: Y / N Sample Location:	
	Paint Color: _____ Substrate: _____ Composite Sample: Y / N Sample Location:	
	Paint Color: _____ Substrate: _____ Composite Sample: Y / N Sample Location:	

Relinquished By: MARY ZAMORA Signature: _____ Date/Time: 10/26/04

Received By: _____ Signature: _____ Date/Time: 10/28-4 10 h

CA SHULMAN ..

RGA
ENVIRONMENTAL INC.

Appendix 4

Site Inspector Certificates

State of California
Division of Occupational Safety and Health

Certified Asbestos Consultant

Mary Bridget O'Donnell Ziblich

Name

Certification No. 93-3498

Expires on 10/22/95

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code