MOORE TWINING ASSOCIATES, INC.

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

1200 PARK STREET

ALAMEDA, CALIFORNIA

Prepared for:

Mr. Aaron Engi
TBC Corporation
4300 TBC Way
Palm Beach Gardens, FL 33410

Prepared by:

Moore Twining Associates, Inc.
2527 Fresno Street
Fresno, California 93721

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LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

1200 PARK STREET

ALAMEDA, CALIFORNIA

1.0 INTRODUCTION

This report presents the results and findings of a limited soil and groundwater investigation performed at 1200 Park Street in Alameda, California (Site). It is Moore Twining Associates, Inc. (Moore Twining) understanding that this investigation was requested as part of due diligence for the subject property.

The completed scope of work was in accordance with our Phase II Environmental Site Assessment (Phase II ESA) professional services agreement dated February 10, 2016. The purpose of this Phase II Environmental Site Assessment was to assess, on a preliminary basis, the presence of constituents of potential concern (COPCs) at the Site and, if present, the current magnitude of the past release(s). Furthermore, the purpose was to assess if past releases pose a risk to current users, and if regulatory action will be required when analytical results are brought to the attention of the appropriate regulatory agency.

2.0 BACKGROUND INFORMATION

The Site is located at 1200 Park Street in the city of Alameda, County of Alameda, California. Based on information provided to Moore Twining, the Site has been assigned Alameda County Assessor Parcel Number (APN) 70-184-15. The Site is currently occupied by a Big-O Tires tire store and automotive repair facility that has reportedly operated as a service station since at least the 1920s. A Site location map is included as Drawing 1.

Information obtained from the City of Alameda Fire Department (AFD) indicated that a number of underground storage tanks (USTs) were located on the Site and were reportedly used to store gasoline and waste oil. The information provided by the AFD did not indicate if the tanks had been removed from the Site. Furthermore, a review of historical Sanborn Fire Insurance Maps dated 1948 and 1950 (provided by Environmental Data Resources, Inc. [EDR], a third-party provider of environmental risk information) shows that a "Gas and Oil" facility was located on the Site and indicated that a metal novelty factory and associated metal stamping facility were operated in the building located on the eastern portion of the Site. Based on the Sanborn map, the gas station and metal novelty factory were no longer operating at the Site by 1987. Copies of the documents provided by the AFD and the Sanborn maps are included in Appendix A.

In addition to the areas of concern described above, Moore Twining was made aware of a possible waste oil UST located near the southeast corner of the northern building. This information was provided by Mr. Aaron Engi, a representative of the potential buyer of the Site. Furthermore, during the field investigation, a patched cutout in the concrete slab floor of the eastern building was identified. As described below, samples from this area were collected to determine if the cutout was related to a former sump or hoist that could have potentially released COPCs.

In order to determine groundwater flow direction near the Site, Moore Twining reviewed groundwater monitoring data available on the California State Water Resources Control Board's GeoTracker website from a now-closed fuel release case located approximately 500 feet north-northeast of the Site (ARCO #2112, 1260 Park Street, Alameda – GeoTracker Global ID T0600100083). Based on the review of

groundwater monitoring data from 2008 to 2011, groundwater flow appears to have been toward the west and northwest.

3.0 PURPOSE AND SCOPE

As mentioned above, it is Moore Twining's understanding that multiple USTs and hydraulic hoists may be located or were historically located on the Site. The purpose of this Phase II ESA was to determine the current environmental condition of the Site in regards to possible USTs and/or hydraulic hoists identified in records provided by the AFD and activities conducted at the metal novelty factory identified on the historical Sanborn Maps.

The purpose of this investigation was to characterize soil and groundwater impacts related to current and former operations at the Site, the investigation included the following scope of work:

- **Hydraulic Hoists (Northern Building) -** In order to assess the presence or absence of chemicals of concern, three soil borings (B-1, B-2 and B-3) were drilled to depths of approximately 12 to 14 feet below surface grade (bsg) inside the northern work bay building. The locations of the borings are shown on Drawing 2. The locations were intended to determine if a release from one or more of the hydraulic hoists located in the work bays had occurred and to characterize groundwater in the area. One sample from each boring and a grab groundwater sample were submitted for laboratory analysis as described in Section 5.0 of this report.

- **Possible Waste Oil Tank** - In order to assess the presence or absence of chemicals of concern, one soil boring (B-4) was drilled to a depth of approximately 15 feet bsg at the location shown on Drawing 2. The location was intended to determine if a release from a possible waste oil UST had occurred. One soil sample was submitted for laboratory analysis as described in Section 5.0 of this report.

- **Hydraulic Hoist/Metal Novelty Factory/Patched Concrete Cutout (Eastern Building) -** In order to assess the presence or absence of chemicals of concern, two soil borings (B-5 and B-6) were drilled to depths of approximately 13 to 13.5 feet bsg at the locations shown on Drawing 2. The proposed location of boring B-5 was intended to determine if a release from the hydraulic hoist located in the southern work bay (B-5) had occurred and to characterize groundwater near the hoist. Boring B-6 was drilled adjacent to a patched cutout in the concrete slab floor in the northern portion of the building located on the eastern portion of the property. One soil sample and one grab groundwater sample collected from B-5 and B-6 were submitted for laboratory analysis as described in Section 5.0 of this report.

- **USTs** - In order to assess the presence or absence of chemicals of concern, six soil borings (B-7, B-8, B-9, B-10, B-11 and B-12) were drilled to depths of approximately 15 to 20 bsg at the locations shown on Drawing 2. The boring locations were intended to determine if a release from one or more of the reported USTs has occurred and to determine if potentially impacted groundwater is migrating away from the Site. One soil sample and one grab groundwater sample from each boring were submitted for laboratory analysis as described in Section 5.0 of this report.

4.0 FIELD INVESTIGATION PROCEDURES

This Limited Phase II Environmental Site Assessment consisted of a field exploration, a laboratory testing program, analysis of our findings, and preparation of this report. Areas of potential concern were located in the field using existing features, historical Sanborn fire insurance maps for the Site, and information provided by the client. The investigation was conducted in general conformance with the operating procedures summarized in Appendix B.

4.1 Pre-Field Activities

Prior to conducting drilling and field sampling activities, a drilling permit was obtained from the Alameda County Public Works Agency (ACPWA). A copy of the ACPWA permit is included in Appendix C. In accordance with California law, proposed boring locations were marked with white paint and Underground Service Alert (USA) was notified at least 48 hours prior to drilling for underground utility locating near proposed drilling locations.

4.2 Soil Borings

On April 17, 2016, soil borings B-1 through B-12 were drilled at the locations shown on Drawing 2. Drilling services were provided by Vapor Tech Services of Hayward, California, a California-licensed drilling company (C57 License #916085). Drilling and sampling were completed using a limited-access dolly-mounted Geoprobe 420M or a limited-access track-mounted Geoprobe 7822DT direct push drill rig. The soil borings were drilled to depths between 12 and 20 feet bsg. Groundwater was first encountered in the borings at depths between 8 and 8.5 feet bsg. Soil samples were collected from each boring; groundwater samples were collected from borings B-1, B-5, B-6, B-10 and B-12.

During drilling, continuous soil core samples were collected using an acetate sleeve-lined Macrocore sampler. Field screening was conducted to assess for the presence of volatile organic compounds (VOCs) in accordance with our standard operating procedures (SOPs). The field screening consisted of visual observation for staining or free fluids, unusual odor, and head space analysis using a photo-ionization detector (PID). The procedures for performing head space analysis are described in the attached SOPs (Appendix B). Soil descriptions and the results of the field screening were recorded on field boring logs consistent with the Unified Soil Classification System (USCS). Copies of the soil boring logs are included in Appendix D. Soil samples were collected at various depths by cutting an approximately 6-inch section from acetate sleeves in accordance with the SOP (Appendix B). Selected samples were analyzed as described in Section 5.0 of this report.

Groundwater samples were collected from borings B-1, B-5, B-6, B-10 and B-12. Upon reaching the total depth of each boring, a temporary 3/4-inch diameter PVC casing with a slotted screen was placed in the open borehole. The screened interval extended from the bottom of the boring to approximately 5 feet bsg. Groundwater samples were collected using a peristaltic pump and new 3/8-inch diameter Teflon tubing at each sample location. Samples were collected from the discharge tube of the peristaltic pump into properly preserved laboratory-supplied sample containers. Groundwater samples collected for metals analysis were filtered in the field using 45-micron flow-through filters.

Following completion of sample collection, the boreholes were backfilled to near surface grade with neat cement grout through the temporary casing (tremied). Grout composition and placement were in compliance with ACPWA requirements.

5.0 LABORATORY ANALYSIS

Soil and groundwater samples were submitted to Moore Twining's State of California certified analytical laboratory for analysis. A copy of the laboratory analytical report is included as Appendix E.

5.1 Hydraulic Hoists (Northern Building, Eastern Building)

Soil samples from borings B-1 (B1-10'), B-2 (B2-11.5'), B-3 (B3-11') and B-5 (B5-10') were submitted for laboratory analysis. These soil samples were analyzed in the laboratory for Total Petroleum Hydrocarbons as gasoline (TPHg), as diesel (TPHd) and as motor oil (TPHmo), by EPA Method 8015M, VOCs by EPA Method 8260B, semi-volatile organic compounds (SVOCs) by EPA Method 8270C SIM, CAM 17 Metals by EPA Methods 6010B/7471A and polychlorinated biphenyls (PCBs) by EPA Method 8082.

Groundwater samples B-1 GW and B-5 GW were analyzed for TPHg, TPHd and TPHmo by EPA Method 8015M, VOCs by EPA Method 8260B, SVOCs by EPA Method 8270C SIM and CAM 17 metals by EPA Method 200.8.

5.2 Possible Waste Oil Tank

One soil sample from boring B-4 (B4-10') was submitted for laboratory analysis. The soil sample was analyzed for TPHg, TPHd and TPHmo by EPA Method 8015M, SVOCs by EPA Method 8270C SIM and CAM 17 metals by EPA Method 200.8.

5.3 Patched Concrete Cutout Area

One soil sample from boring B-6 (B6-10.5') was submitted for laboratory analysis. The soil sample was analyzed for TPHg, TPHd and TPHmo by EPA Method 8015M, VOCs by EPA Method 8260B, SVOCs by EPA Method 8270C SIM and CAM 17 metals by EPA Methods 6010B/7471A.

Groundwater samples B-1 GW and B-5 GW were analyzed for TPHg, TPHd and TPHmo by EPA Method 8015M, VOCs by EPA Method 8260B, SVOCs by EPA Method 8270C SIM and CAM 17 metals by EPA Method 200.8.

5.4 Former Gas Station

Soil samples from borings B-7 (B7-10'), B-8 (B8-10'), B-9 (B9-10'), B-10 (B10-10'), B-11 (B11-10') and B-12 (B12-10') were submitted for laboratory analysis. These soil samples were analyzed in the laboratory for TPHg, TPHd and TPHmo by EPA Method 8015M and VOCs by EPA Method 8260B. In addition, soil samples B7-10', B8-10', B9-10' and B11-10' were analyzed for Leaking Underground Fuel Tanks (LUFT) 5 metals by EPA Methods 6010 and soil samples B10-10' and B12-10' were analyzed for SVOCs by EPA Method 8270C SIM and CAM 17 metals by EPA Methods 6010B/7471A.

Groundwater samples B-10 GW and B-12 GW were analyzed for TPHg, TPHd and TPHmo by EPA Method 8015M, VOCs by EPA Method 8260B, SVOCs by EPA Method 8270C SIM and CAM 17 metals by EPA Method 200.8.

6.0 RESULTS AND FINDINGS

The results and findings of this investigation are summarized and discussed in the following subsections.

6.1 Field Observations

Generally, soils encountered in the borings consisted of fine-to-medium grained silty sand. Brick debris was noted between approximately 1 foot bsg and 5 feet bsg in boring B-1 and concrete debris was noted from 1-foot bsg to 4 feet bsg in boring B-2. Petroleum hydrocarbon-like odors and apparent staining were noted in borings B-6, B-8, B-9, B-10 and B-11 at depths of 8-to-10 feet bsg and in boring B-12 at a depth of 5 feet bsg. The odors and staining appeared to attenuate with depth. Furthermore, PID readings above background were noted at similar depths. Boring logs recorded during the investigation are included in Appendix D.

First encountered groundwater was observed during drilling in the borings at depths of approximately 8 to 8.5 feet bsg.

With the exception of a concrete structure encountered approximately two inches below grade in borings B-9, B-10 and B-11 that may be a former dispenser island, evidence of structures related to the former gas station (dispensers, piping and/or USTs) were not encountered during the Phase II ESA.

6.2 Soil Analytical Results

The constituents detected above the laboratory detection limits are summarized in the Tables section following the text of this report. Analytical reports are included in Appendix E.

6.2.1 Hoists (Northern Building)

Samples B1-10', B2-11.5' and B3-11' were analyzed for metals, TPHg, TPHd, TPHmo, SVOCs and PCBs.

Various metals were reported in all of the samples at concentrations indicative of background levels. Furthermore, the reported concentrations were below the respective environmental screening levels for residential and commercial properties.

TPHg, TPHd, TPHmo, SVOCs and PCBs were not detected above laboratory detection limits in the analyzed soil samples.

6.2.2 Possible Waste Oil Tank

Sample B4-10' was analyzed for metals, TPHg, TPHd, TPHmo and SVOCs.

Various metals were reported in sample B4-10' at concentrations indicative of background levels. Furthermore, the reported concentrations were below the respective environmental screening levels for residential and commercial properties.

TPHg, TPHd, TPHmo and SVOCs were not detected above laboratory detection limits in the analyzed soil samples.

6.2.3 Hoists/Metal Novelty Factory/Patched Concrete Cutout (Eastern Building)

Samples B5-10' and B6-10.5' were analyzed for metals, TPHg, TPHd, TPHmo, VOCs and SVOCs and sample B5-10' was analyzed for PCBs.

Various metals were reported in all of the samples at concentrations indicative of background levels. Furthermore, the reported concentrations were below the respective environmental screening levels for residential and commercial properties.

TPHg, TPHd, TPHmo, SVOCs and PCBs were not detected above laboratory detection limits in sample B5-10'. TPHd and TPHmo were detected in sample B6-10.5' at concentrations of 710 milligrams per kilogram (mg/kg) and 770 mg/kg, respectively. The laboratory report included a note indicating the TPHd result was a heavier hydrocarbon than diesel. VOCs were not detected in sample B6-10.5.

With the exception of pyrene (0.030 mg/kg) in sample B6-10.5', SVOCs were not detected in the two samples collected from this area.

Sample B5-10' did not contain PCBs above the laboratory detection limit.

6.2.4 Former Gas Station

With the exception of lead and zinc in sample B12-10', the concentrations of metals in soil samples collected from the former gasoline dispenser area were at levels representing background concentrations. Lead and zinc were detected in sample B12-10' at concentrations of 39 mg/kg and 130 mg/kg, respectively.

Gasoline-range hydrocarbons (TPHg) were detected in samples B9-10', B10-10' and B12-10' at concentrations of 76 mg/kg, 3,200 mg/kg and 17,000 mg/kg, respectively. Diesel-range hydrocarbons (TPHd) were detected in samples B9-10', B10-10' and B12-10' at concentrations of 20 mg/kg, 950 mg/kg and 1,800 mg/kg, respectively. Motor oil-range hydrocarbons (TPHmo) were detected in sample B10-10' at 99 mg/kg. Samples B7-10', B8-10' and B11-10' did not contain TPHg, TPHd or TPHmo above the laboratory detection limit.

Ethylbenzene was detected in samples B1-10' and B12-10' at concentrations of 13 mg/kg and 150 mg/kg, respectively. Total xylenes were detected in sample B10-10' at a concentration of 2.7 mg/kg. Naphthalene was detected in samples B9-10', B10-10' and B12-10' at concentrations of 0.13 mg/kg, 40 mg/kg and 65 mg/kg, respectively.

Other VOCs, including n-propylbenzene, isopropylbenzene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene and tert-butylbenzene were detected in one or more of the samples collected from

the former gasoline dispenser area. Four samples, B8-10', B9-10', B10-10' and B12-10', were reported to contain n-propylbenzene at concentrations of 0.0010 mg/kg, 0.089 mg/kg, 140 mg/kg and 160 mg/kg, respectively. Isopropylbenzene was detected in samples B9-10', B10-10' and B12-10' at concentrations of 0.017 mg/kg, 36 mg/kg and 65 mg/kg, respectively. 1,3,5- and 1,2,4-trimethylbenzene were detected in sample B10-10' at concentrations of 36 mg/kg and 53 mg/kg, respectively. Tert-butylbenzene was detected in sample B9-10' at a concentration of 0.013 mg/kg. Sample B8-10' was reported to contain acetone at a concentration of 0.026 mg/kg.

Sample B10-10' was reported to contain several SVOCs above laboratory detection limits including acenaphthene (0.060 mg/kg), naphthalene (1.9 mg/kg), phenanthrene (0.15 mg/kg) and pyrene (0.084 mg/kg). Naphthalene was also detected in sample B12-10' using EPA Method 8270C at a concentration of 4.5 mg/kg.

Sample B11-10' did not contain TPHg, TPHd, TPHmo or VOCs at concentrations above laboratory detection limits.

Analysis for PCBs in sample B12-10' did not indicate the presence of this constituent above laboratory detection limits.

6.3 Grab Groundwater Analytical Results

The constituents detected above the laboratory detection limits are summarized in the Tables section following the text of this report. The analytical report is included in Appendix E.

6.3.1 Hoists (Northern Work Bay)

Sample B-1 GW was analyzed for metals, TPHg, TPHd, TPHmo, VOCs and SVOCs.

Various metals were detected above laboratory detection limits in sample B-1 GW, including barium (23 µg/l), chromium (4.3 µg/l), molybdenum (2.0 µg/l), nickel (11 µg/l) and vanadium (1.9 µg/l).

With the exception of tetrachloroethene (PCE), VOCs were not reported above laboratory detection limits. PCE was detected at 3.9 µg/l.

TPHg, TPHd, TPHmo and SVOCs were not detected in sample B-1 GW above laboratory detection limits.

6.3.2 Hoists/Metal Plating Facility

Samples B-5 GW and B-6 GW were analyzed for metals, TPHg, TPHd, TPHmo, VOCs and SVOCs.

Various metals were detected above laboratory detection limits in samples B-5 GW and B-6 GW, including barium (22 µg/l and 20 µg/l, respectively), chromium (3.7 µg/l and 1.2 µg/l, respectively), nickel (4.0 µg/l and 6.8 µg/l, respectively) and vanadium (1.9 µg/l and 1.7 µg/l, respectively). Cobalt was detected in sample B-6 GW at a concentration of 1.1 µg/l, copper was detected in sample B-5 GW at a concentration of 2.6 µg/l and molybdenum was detected in sample B-5 GW at a concentration of 2.1 µg/l.

TPHd and TPHmo were detected in sample B-6 GW at concentrations of 84,000 µg/l and 89,000 µg/l, respectively. The laboratory report included a note indicating the TPHd result was heavier than diesel.

Naphthalene was detected in sample B-6 GW at a concentration of 0.086 µg/l by EPA Method 8270C.

TPHg, TPHd, TPHmo, VOCs and SVOCs were not reported by the laboratory above detection limits in sample B-5 GW and results from laboratory analysis of sample B-6 GW did indicate the presence of TPHg or VOCs above laboratory detection limits.

6.3.3 Former Gas Station

Samples B-10 GW and B-12 GW were analyzed for metals, TPHg, TPHd, TPHmo, VOCs and SVOCs.

Gasoline-range hydrocarbons (TPHg) were detected in samples B-10 GW and B-12 GW at concentrations of 21,000 µg/l and 3,600 µg/l, respectively. Diesel-range hydrocarbons (TPHd) were detected in samples B-10 GW and B-12 GW at concentrations of 24,000 µg/l and 11,000 µg/l, respectively. Motor oil (TPHmo) was detected in samples B-10 GW and B-12 GW at concentrations of 1,900 µg/l and 16,000 µg/l, respectively. The laboratory report included a note indicating the detected concentration of TPHmo in sample B-10 GW was a lighter hydrocarbon than motor oil.

Benzene and toluene were detected in sample B-12 GW at concentrations of 5.6 µg/l and 2.0 µg/l, respectively. Ethylbenzene was detected in samples B-10 GW and B-12 GW at concentrations of 240 µg/l and 83 µg/l, respectively. Total xylenes were not detected in sample B-10 GW and B-12 GW above laboratory detection limits.

Naphthalene was detected in samples B-10 GW and B-12 GW at concentrations of 730 µg/l and 81 µg/l, respectively, by EPA Method 8260B and by EPA Method 8270C at concentrations of 480 µg/l (B-10 GW) and 5.6 µg/l (B-12 GW).

Other VOCs were detected in sample B-10 GW and B-12 GW including, n-propylbenzene (1,400 µg/l and 76 µg/l, respectively), isopropylbenzene (510 µg/l and 39 µg/l, respectively), p-isopropyltoluene (310 µg/l and 6.6 µg/l, respectively), 1,3,5-trimethylbenzene (570 µg/l and 4.2 µg/l, respectively), 1,2,4-trimethylbenzene (3,100 µg/l and 16 µg/l, respectively) and tert-butylbenzene (66 µg/l and 4.5 µg/l, respectively). PCE was detected in sample B-12 GW at a concentration of 0.81 µg/l.

SVOCs were detected above laboratory reporting limits in samples B-10 GW and B-12 GW, including flourene (240 µg/l and 2.6 µg/l, respectively), pyrene (730 µg/l and 1.6 µg/l, respectively) and benzo(ghi)perylene (0.096 µg/l and 0.29 µg/l, respectively). In addition, acenaphthene (3.0 µg/l), phenanthrene (0.40 µg/l) and flouranthene (0.41 µg/l) were detected in sample B-12 GW.

Various metals were detected above laboratory detection limits in samples B-10 GW and B-12 GW, including barium (27 µg/l and 1,300 µg/l, respectively), chromium (1.1 µg/l and 1.5 µg/l, respectively) molybdenum (6.6 µg/l and 17 µg/l, respectively) and nickel (5.2 µg/l and 4.0 µg/l, respectively). Cobalt was detected in sample B-10 GW at a concentration of 1.4 µg/l and vanadium was detected in sample B-12 GW at a concentration of 2.5 µg/l.

7.0 SUMMARY AND ANALYSIS OF FINDINGS

Based on results of the limited Phase II ESA conducted at the site on April 17, 2016, by Moore Twining:

- The highest concentrations of TPHg, TPHd and VOCs in soil were detected in soil samples collected from the former dispenser and UST areas and near the patched concrete cutout area in the eastern portion of the building. TPHg and/or TPHd were detected at concentrations above San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels (ESLs) in samples B6-10.5' (patched concrete cutout), and B10-10' and B12-10' (UST/dispensers). With the exception of naphthalene and ethylbenzene in samples B10-10' and B12-10' and xylenes in sample B12-10', VOCs were not detected at concentrations above ESLs in the analyzed soil samples. Naphthalene was detected in sample B10-10' and B12-10' at concentrations of 40 mg/kg and 65 mg/kg, respectively, above the Leaching to Drinking Water ESL (0.033 mg/kg) and Direct Exposure ESL (3.3 mg/kg residential, 14 mg/kg commercial). Ethylbenzene was detected at concentrations of 13 mg/kg and 150 mg/kg in samples B10-10' and B12-10', respectively, above the Leaching to Drinking Water ESL (1.4 mg/kg) and the Direct Exposure ESL (5.1 mg/kg residential, 22 mg/kg commercial). The reported concentration of total xylenes in soil sample B10-10' (2.7 mg/kg) was above the Leaching to Drinking Water ESL (2.3 mg/kg). Soil sample results exceeding ESLs are presented on Drawing 3.

- The highest concentrations of SVOCS were detected in soil samples collected from the patched concrete cutout area and the dispenser and UST area. However, with the exception of naphthalene, SVOCs were below respective ESLs. Naphthalene was detected by EPA Method 8270C SIM in samples B10-10' and B12-10' at concentrations of 1.9 mg/kg and 4.5 mg/kg, respectively, and above the Leaching to Drinking Water ESL. In addition, the concentration of naphthalene detected in sample B12-10' was above the residential Direct Exposure ESL of 3.3 mg/kg.

- Soil samples B1-10', B2-11.5', B3-11', B5-10' and B12-10' were analyzed for PCBs but were not detected above laboratory reporting limits.

- Detected concentrations of metals in soil samples appeared to be at background levels with the exception of arsenic, barium, copper, lead, nickel and zinc in sample B12-10'. Although these metals were detected at concentrations above background levels (except arsenic), the reported concentrations were below the most conservative ESL. The concentration of arsenic detected in sample B12-10' was elevated when compared to the other results for soil samples, but within the range of background concentrations for the San Francisco bay area.

- Grab groundwater samples were collected from soil borings B-1, B-5, B-6, B-10 and B-12. A significant number of COPCs were detected in groundwater samples collected during the Phase II ESA. However, when detected, the concentrations in sample B-5 GW were below the most conservative ESL. Groundwater sample B-1 GW contained PCE (3.9 µg/l) above the ESL of 3.0 µg/l. Sample B-6 GW contained TPHd (84,000 µg/l) and TPHmo (89,000 µg/l) above the respective ESLs of 100 µg/l (TPHd) and 54,000 µg/l (TPHmo). Other COPCs detected above laboratory reporting limits in B-6 GW were below ESLs. Groundwater sample B-10 GW contained concentrations of TPHg, TPHd, benzene, ethylbenzene and naphthalene above ESLs.

In addition, phenanthrene was detected at a concentration equivalent to the ESL in sample B-10 GW. Groundwater sample B-12 GW contained concentrations of barium, TPHg, TPHd, benzene, ethylbenzene, napththalene, benzo(g,h,i)perylene and Indeno(1,2,3-cd)pyrene above ESLs. Groundwater sample results exceeding ESLs are presented on Drawing 4.

- With the exception of barium in grab groundwater sample B-12 GW, the source of COPCs in soil and groundwater near borings B-8, B-9, B-10, B-11 and B-12 appears to be related to a release of petroleum hydrocarbons from the former dispensers and USTs located in the central portion of the Site. The source of COPCs in soil and groundwater near boring B-6 could not be determined with the available data. However, the presence of the patched concrete cutout in the area may be related to a former structure or former activities that could have potentially been a source for COPCs.

- The reported concentration of TPHmo in grab groundwater sample is above the saturation concentration and indicative of floating free-phase petroleum hydrocarbons.

8.0 RECOMMENDATIONS

Based on results of the Phase II ESA, Moore Twining recommends the following:

- Submittal of this report to the Alameda County Department of Human Health Services for review to comply with conditions of the ACPWA drilling permit. Condition 7 of the permit states "Under California laws, the owner/operator are responsible for reporting the contamination to the governmental regulatory agencies under Section 25295(a). The owner/operator is liable for civil penalties under Section 25299(a)(4) and criminal penalties under Section 25299(d) for failure to report a leak. The owner/operator is liable for civil penalties under Section 25299(b)(4) for knowing failure to ensure compliance with the law by the operator. These penalty provisions do not apply to a potential buyer."

- Conduct additional assessment on- and off-Site to delineate the vertical and horizontal extent of COPCs in soil, soil vapor and groundwater. Given the age of the release, the relatively high concentrations of COPCs in groundwater on-Site and the assumed groundwater flow direction toward the west, contamination may have migrated off-Site to neighboring properties.

- Notify the property of owner of the findings of this report.

9.0 LIMITATIONS

The scope of the investigation undertaken to conduct this soil characterization screening was intended to be an interactive process. The purpose of an environmental assessment is to reasonably characterize existing site conditions based on the geology/hydrogeology of the area. In performing such a study, it is understood that a balance must be struck between a reasonable inquiry into the site conditions and an exhaustive analysis of each conceivable environmental characteristic.

Conditions of interest may exist at the site that cannot be identified by visual observations and the scope of the work performed as part of this Phase II ESA. Where subsurface exploratory work was performed, our professional opinions were based in part on interpretation of data from discrete

sampling locations that may not represent actual conditions or un-sampled locations. If conditions of interest were not identified during performance of the work, such a finding should not be construed as a guarantee that such conditions do not exist at the site.

This work was conducted in accordance with generally-accepted engineering principles and practices at the time the work was performed. This warranty is in lieu of all other warranties, either expressed or implied. This report was prepared for the sole use of the client and appropriate regulatory agencies. Any reliance on this report by a third party is at such party's sole risk.

10.0 CLOSING

Moore Twining appreciates the opportunity to be of service on this project. If you should have any questions, please contact Paul Dotson at (800) 268-7021.

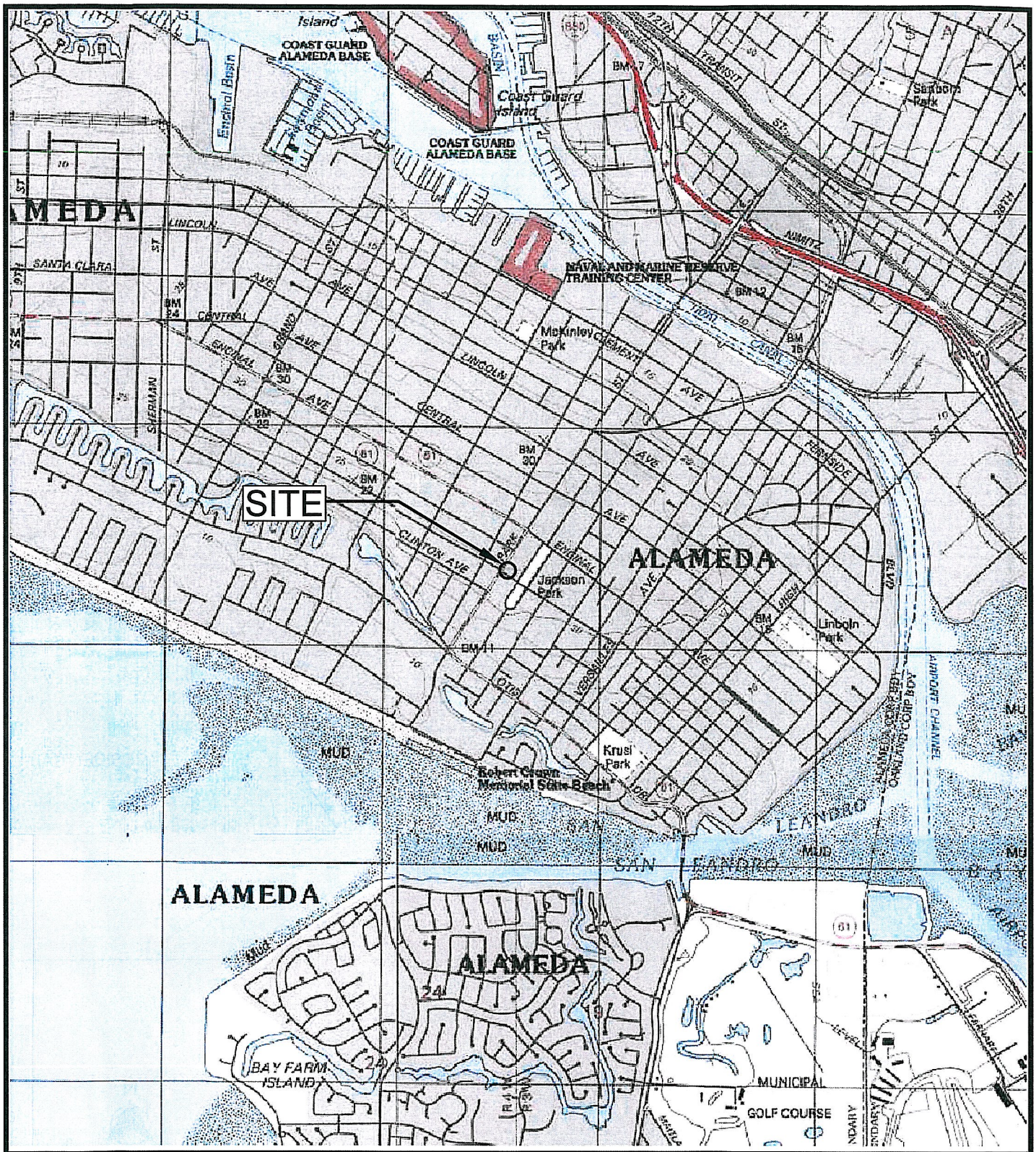
Sincerely,
MOORE TWINING ASSOCIATES, INC.
Environmental Services Division

Paul B. Dotson PG 8237
Manager

11.0 REFERENCES

G. R. Bradford, A. C. Change, A. L. Page, D. Bakhtar, J. A. Frampton, and H. Wright, March 1996, Kearny Foundation Special Report: Background Concentrations of Trace and Major Elements in California Soils.

DRAWINGS



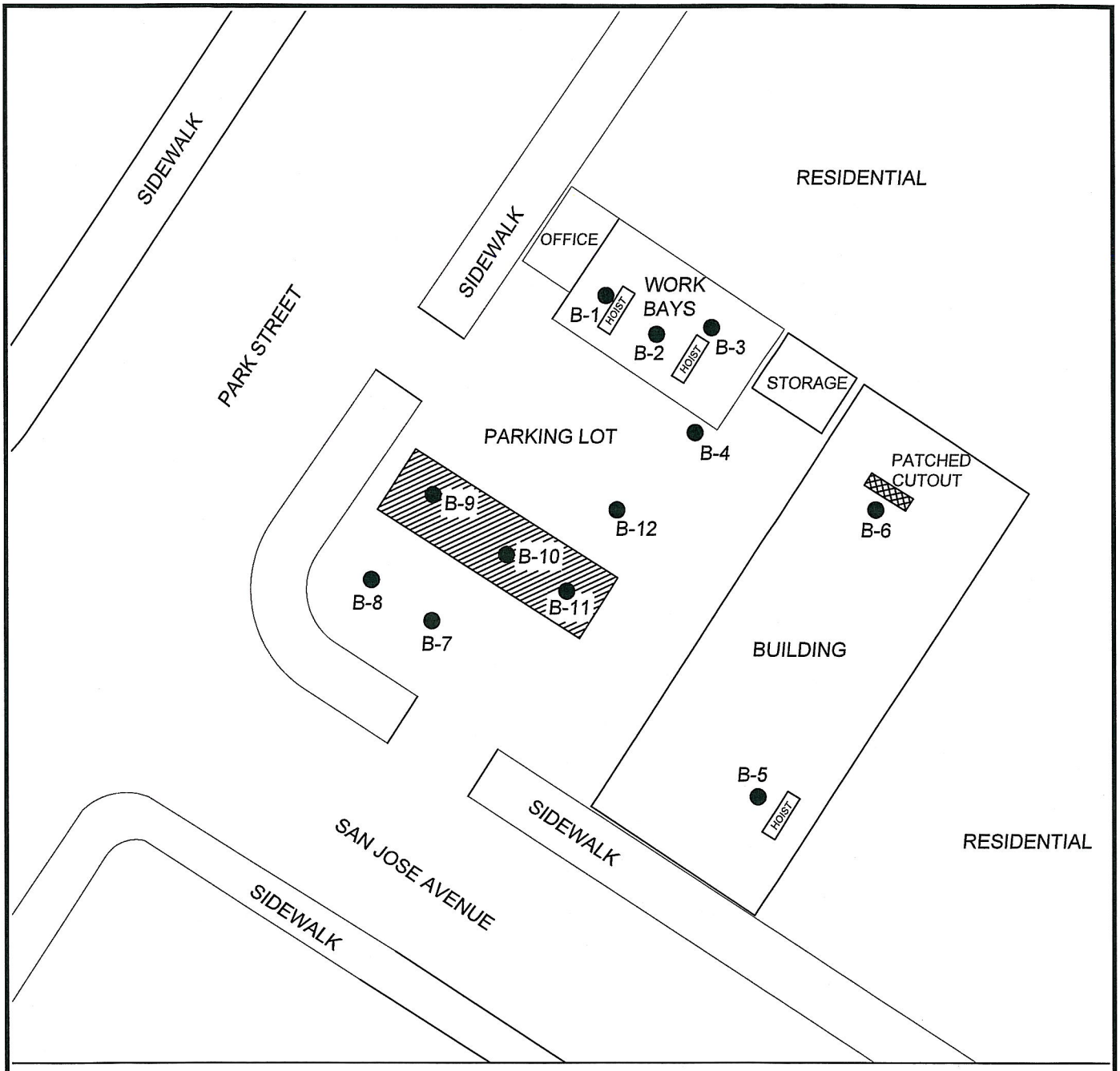
SOURCE: U.S.G.S. TOPOGRAPHIC MAP, 7 ½ MINUTE SERIES
OAKLAND EAST, CALIFORNIA QUADRANGLE 1971, PHOTOREVISED 1997

0 2000
APPROXIMATE SCALE IN FEET

SITE LOCATION MAP
1200 PARK STREET
ALAMEDA, CALIFORNIA

FILE NO.: 66423-02-01	DATE: 05/03/16
DRAWN BY: RM	APPROVED BY:
PROJECT NO. C66423.02	DRAWING NO. 1

MOORE TWINING ASSOCIATES, INC.



LEGEND

B-7 ● SOIL BORING LOCATION (APPROXIMATE)

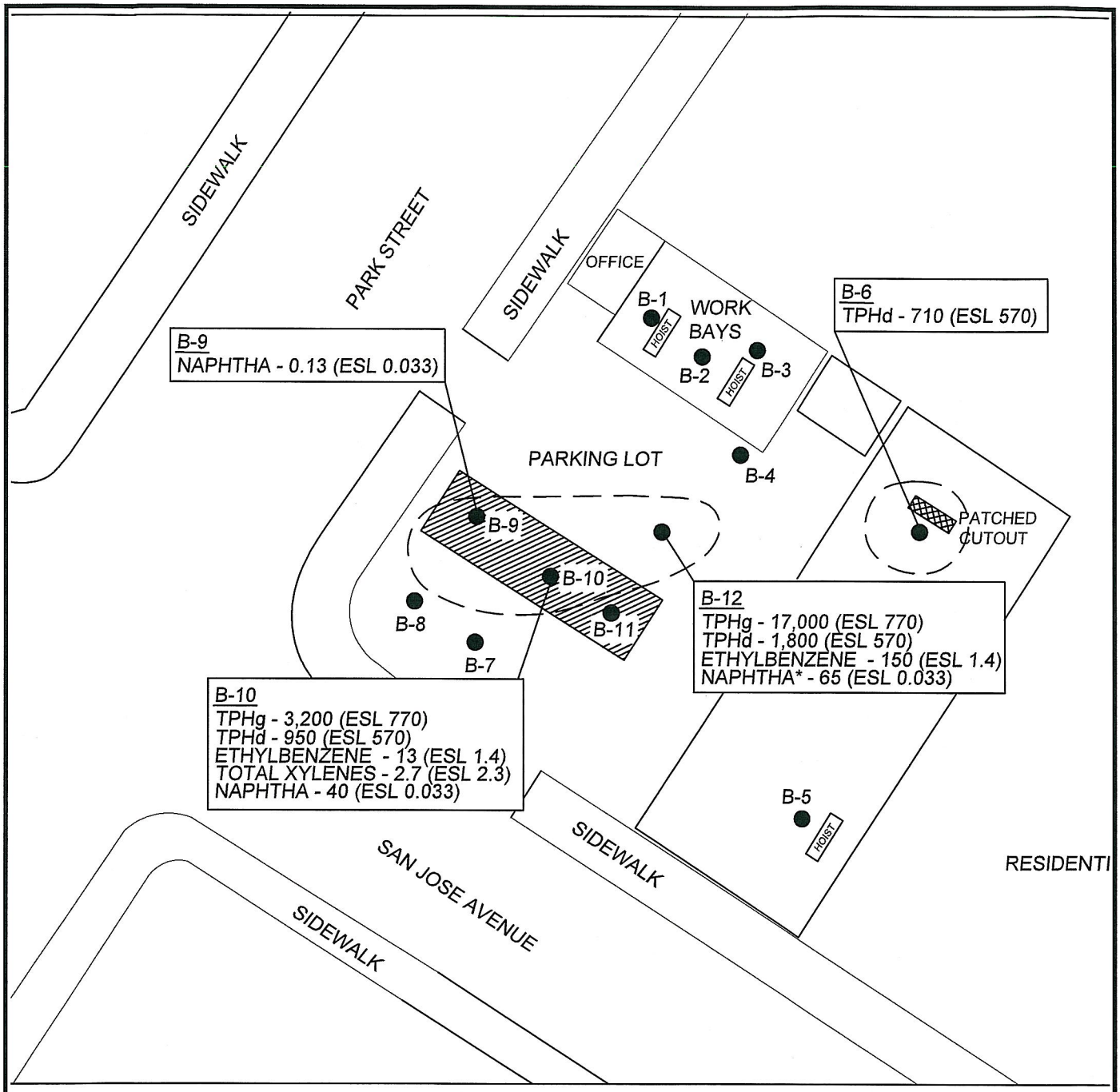
▨ POSSIBLE DISPENSER ISLAND (CONCRETE SLAB)

N

0 30

APPROXIMATE SCALE IN FEET

SITE PLAN 1200 PARK STREET ALAMEDA, CALIFORNIA	FILE NO. 66423-02-02	DATE DRAWN: 05/03/16	MOORE TWINING ASSOCIATES, INC.
	DRAWN BY: RM	APPROVED BY:	
	PROJECT NO. C66423.02	DRAWING NO. 2	



LEGEND

- B-7 — SOIL BORING LOCATION (APPROXIMATE)
- POSSIBLE DISPENSER ISLAND (CONCRETE SLAB)
- INFERRED EXTENT OF PETROLEUM HYDROCARBON-IMPACTED SOIL ABOVE ESLs

NOTES:

TPHg - TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
TPHd - TOTAL PETROLEUM HYDROCARBONS AS DIESEL
NAPHTA - NAPHTHALENE
BENZO - BENZO(g,h,i)PERYLENE
PHENA - PHENANTHRENE
INDENO - INDENO(1,2,3-c,d)PYRENE

RESULTS IN MILLIGRAMS PER KILOGRAM

ESL - ENVIRONMENTAL SCREENING LEVEL - LEACHING TO GROUNDWATER, SF BAY REGIONAL WATER QUALITY CONTROL BOARD, FEBRUARY 2016.

* - NAPHTHALENE RESULT BY EPA METHOD 8260B

N

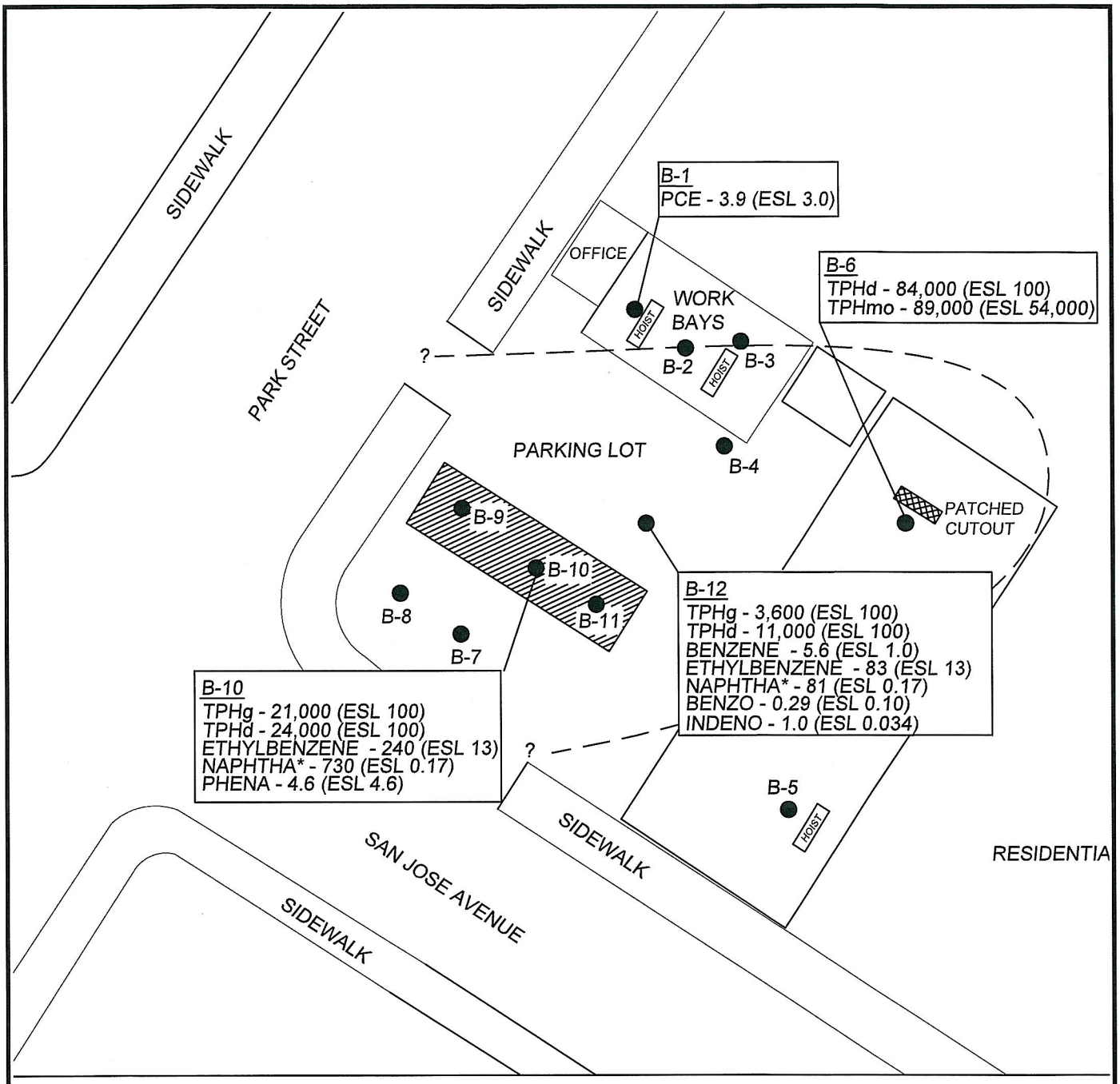
0 30

APPROXIMATE SCALE IN FEET

SOIL RESULTS - ANALYTES ABOVE ENVIRONMENTAL SCREENING LEVELS
1200 PARK STREET
ALAMEDA, CALIFORNIA

FILE NO. 66423-02-03	DATE DRAWN: 05/03/16
DRAWN BY: RM	APPROVED BY:
PROJECT NO. C66423.02	DRAWING NO. 3

MOORE TWINING ASSOCIATES, INC.



LEGEND

- B-7 — SOIL BORING LOCATION (APPROXIMATE)
- POSSIBLE DISPENSER ISLAND (CONCRETE SLAB)
- INFERRED EXTENT OF PETROLEUM HYDROCARBON-IMPACTED GROUNDWATER ABOVE ESLs

NOTES:

TPHg - TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
TPHd - TOTAL PETROLEUM HYDROCARBONS AS DIESEL
NAPHTA - NAPHTHALENE
BENZO - BENZO(g,h,i)PERYLENE
PHENA - PHENANTHRENE
INDENO - INDENO(1,2,3-c,d)PYRENE

RESULTS IN MICROGRAMS PER LITER

ESL - ENVIRONMENTAL SCREENING LEVEL - TIER 1, SF BAY REGIONAL WATER QUALITY CONTROL BOARD, FEBRUARY 2016.

* - NAPHTHALENE RESULT BY EPA METHOD 8260B

N

0 30

APPROXIMATE SCALE IN FEET

GRAB GROUNDWATER RESULTS - ANALYTES ABOVE ENVIRONMENTAL SCREENING LEVELS
1200 PARK STREET
ALAMEDA, CALIFORNIA

FILE NO. 66423-02-03	DATE DRAWN: 05/03/16
DRAWN BY: RM	APPROVED BY:
PROJECT NO. C66423.02	DRAWING NO. 4

MOORE TWINING ASSOCIATES, INC.

TABLES

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - METALS
1200 PARK STREET, ALAMEDA, CALIFORNIA

Sample ID	Sample Depth (feet bsg)	Area of Concern	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
			EPA Method 6010B																EPA Method 7471A
			Sample Date: April 17, 2016; results in milligrams per kilogram																
B1-10'	10	Hoist	<2.0	<2.0	**46**	<0.40	<0.40	**45**	**2.7**	**6.5**	**2.3**	<2.0	**30**	<5.0	<2.0	<5.0	**27**	**20**	<0.013
B2-11.5'	11.5	Hoist	<2.0	<2.0	**51**	<0.40	<0.40	**40**	**4.6**	**6.5**	**2.3**	<2.0	**34**	<5.0	<2.0	<5.0	**28**	**21**	<0.013
B3-11'	11	Hoist	<2.0	<2.0	**37**	<0.40	<0.40	**45**	**3.7**	**5.6**	<2.0	<2.0	**29**	<5.0	<2.0	<5.0	**33**	**19**	<0.013
B4-10'	10	Waste Oil Tank	<2.0	<2.0	**48**	<0.40	<0.40	**48**	**4.2**	**7.3**	**2.3**	<2.0	**35**	<5.0	<2.0	<5.0	**32**	**23**	<0.013
B5-10'	10	Hoist	<2.0	<2.0	**49**	<0.40	<0.40	**29**	**3.7**	**5.9**	**2.1**	<2.0	**31**	<5.0	<2.0	<5.0	**23**	**17**	<0.013
B6-10.5'	10.5	Concrete Cutout	<2.0	<2.0	**39**	<0.40	<0.40	**48**	**3.7**	**5.7**	***2.6***	<2.0	**29**	<5.0	<2.0	<5.0	**31**	**21**	<0.013
B7-10'	10	Gas Station	NA	NA	NA	NA	<0.40	**40**	NA	NA	<2.0	NA	**27**	NA	NA	NA	NA	**19**	NA
B8-10'	10	Gas Station	NA	NA	NA	NA	<0.40	**41**	NA	NA	**3.9**	NA	**32**	NA	NA	NA	NA	**21**	NA
B9-10'	10	Gas Station	NA	NA	NA	NA	<0.40	**45**	NA	NA	**3.4**	NA	**28**	NA	NA	NA	NA	**21**	NA
B10-10'	10	Gas Station	<2.0	<2.0	**51**	<0.40	<0.40	**58**	**1.7**	7.1	**5.1**	<2.0	**26**	<5.0	<2.0	<5.0	23	**23**	<0.013
B11-10'	10	Gas Station	NA	NA	NA	NA	<0.40	**37**	NA	NA	**2.5**	NA	**30**	NA	NA	NA	NA	**19**	NA
B12-10'	10	Gas Station	<2.0	**2.5**	**410**	<0.40	<0.40	**42**	**4.8**	**20**	**39**	<2.0	**44**	<5.0	<2.0	<5.0	**26**	**130**	**0.090**
ESL (COMMERCIAL/INDUSTRIAL, SHALLOW, ≤10 FEET BSG)			470	0.31	220,000	2,200	580	1,800,000*	350	47,000	160	5,800	11,000	5,800	5,800	12	600,000	350,000	190
ESL (RESIDENTIAL, SHALLOW, ≤10 FEET BSG)			31	0.067	15,000	150	39	120,000*	23	3,100	80	390	820	390	390	0.78	140,000	23,000	13
ESL (ANY LAND USE/ANY DEPTH: CONSTRUCTION WORKER EXPOSURE)			140	0.99	67,000	180	110	530,000*	49	14,000	160	1,800	1,700	1,800	1,800	3.5	220,000	110,000	57

Notes:
bsg = below surface grade
bold = detected concentration is above laboratory reporting limits
Shading = detected concentration is above one ore more ESLs
ESLs = Environmental Screening Levels, SF Bay Region of the California Water Quality Control Board, February 2016

TABLE 2
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - TPH AND VOCs
1200 PARK STREET, ALAMEDA, CALIFORNIA

Sample ID	Sample Depth (feet bsg)	Area of Concern	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	Acetone	n-Propylbenzene	Isopropylbenzene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	tert-Butylbenzene	Naphthalene	Other VOCs
			EPA Method 8015B			EPA Method 8260B												
			Sample Date: April 17, 2016; results in milligrams per kilogram															
B1-10'	10	Hoist	<1.0	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B2-11.5'	11.5	Hoist	<1.0	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B3-11'	11	Hoist	<1.0	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4-10'	10	Waste Oil Tank	<1.0	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B5-10'	10	Hoist	<1.0	<10	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B6-10.5'	10.5	Concrete Cutout	<1.0	**AJ 710**	**770**	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	ND
B7-10'	10	Gas Station	<1.0	<10	<10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	ND
B8-10'	10	Gas Station	<1.0	<10	<10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	**0.026**	**0.0010**	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	ND
B9-10'	10	Gas Station	**76**	**AK 20**	<10	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.10	**0.089**	**0.017**	<0.0050	<0.0050	**0.013**	**0.13**	ND
B10-10'	10	Gas Station	**AS 3,200**	**950**	**99**	<0.50	<0.50	**13**	**2.7**	<0.50	<10	**140**	**36**	**53**	**360**	<0.50	**40**	ND
B11-10'	10	Gas Station	<1.0	<10	<10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.020	**0.0012**	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	ND
B12-10'	10	Gas Station	**AS 17,000**	**AK 1,800**	<400	<2.0	<2.0	**150**	<2.0	<2.0	<40	**160**	**65**	<2.0	<2.0	<2.0	**65**	ND
ESL (LEACHING TO GROUNDWATER)			770	570	51,000**	0.044	2.9	1.4	2.3	0.023	0.50	---	---	---	---	---	0.033	Various
ESL (COMMERCIAL/INDUSTRIAL, SHALLOW, ≤10 FEET BSG)			3,900	1,100	140,000	1.0	46,000	22	2,400	180	630,000	---	---	---	---	---	14	Various
ESL (RESIDENTIAL, SHALLOW, ≤10 FEET BSG)			740	230	11,000	0.23	970	5.1	560	42	59,000	---	---	---	---	---	3.3	Various
ESL (ANY LAND USE/ANY DEPTH: CONSTRUCTION WORKER EXPOSURE)			7,400	3,800	32,000	24	28,000	480	65,000	3,700	320,000	---	---	---	---	---	350	Various

Notes:

bsg = below surface grade
TPHg = total petroleum hydrocarbons as gasoline
TPHd = total petroleum hydrocarbons as diesel
TPHmo = total petroleum hydrocarbons as motor oil
VOCs = volatile organic compounds
NA = not analyzed
ND = these analyses include a variety of individual compounds. The "ND" designation indicates that individual compounds included in the analyses were not detected above laboratory reporting limits
bold = detected concentration is above laboratory reporting limits
Shading = detected concentration is above one or more ESLs
ESLs = Environmental Screening Levels, SF Bay Region of the California Water Quality Control Board, February 2016
** = gross contamination levels (leaching to groundwater ESL not established)
--- = screening level not established

AJ = heavier hydrocarbon than diesel
AK = lighter hydrocarbon than diesel
AS = heavier hydrocarbon than gasoline

TABLE 3
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - SVOCs and PCBs
1200 PARK STREET, ALAMEDA, CALIFORNIA

Sample ID	Sample Depth (feet bsg)	Area of Concern	Acenaphthene	Naphthalene	Phenanthrene	Pyrene	Benzo(a)pyrene	Other SVOCs	PCBs
			EPA Method 8270C						EPA Method 8082
			Sample Date: April 17, 2016; results in milligrams per kilogram						
B1-10'	10	Hoist	<0.020	<0.020	<0.020	<0.020	<0.020	ND	ND
B2-11.5'	11.5	Hoist	<0.020	<0.020	<0.020	<0.020	<0.020	ND	ND
B3-11'	11	Hoist	<0.020	<0.020	<0.020	<0.020	<0.020	ND	ND
B4-10'	10	Waste Oil Tank	<0.020	<0.020	<0.020	<0.020	<0.020	ND	NA
B5-10'	10	Hoist	<0.020	<0.020	<0.020	<0.020	<0.020	ND	ND
B6-10.5'	10.5	Concrete Cutout	<0.020	<0.020	<0.020	**0.030**	<0.020	ND	NA
B7-10'	10	Gas Station	NA	NA	NA	NA	NA	NA	NA
B8-10'	10	Gas Station	NA	NA	NA	NA	NA	NA	NA
B9-10'	10	Gas Station	NA	NA	NA	NA	NA	NA	NA
B10-10'	10	Gas Station	**0.060**	**1.9**	**0.15**	**0.084**	<0.030	ND	NA
B11-10'	10	Gas Station	NA	NA	NA	NA	NA	NA	NA
B12-10'	10	Gas Station	<0.030	**4.5**	<0.030	<0.030	<0.030	ND	NA
ESL (LEACHING TO GROUNDWATER)			16	0.033	11	85	130	Various	Various
ESL (COMMERCIAL/INDUSTRIAL, SHALLOW, ≤10 FEET BSG)			45,000	14	- - -	23,000	0.29	Various	Various
ESL (RESIDENTIAL, SHALLOW, ≤10 FEET BSG)			3,600	3.3	- - -	1,800	0.016	Various	Various
ESL (ANY LAND USE/ANY DEPTH: CONSTRUCTION WORKER EXPOSURE)			10,000	350	- - -	5,000	1.6	Various	Various

Notes:
bsg = below surface grade
SVOCs = semi-volatile organic compounds
PCBs = polychlorinated biphenyls
NA = not analyzed
ND = these analyses include a variety of individual compounds. The "ND" designation indicates that individual compounds included in the analyses were not detected above laboratory reporting limits
bold = detected concentration is above laboratory reporting limits
Shading = detected concentration is above one or more ESLs
ESLs = Environmental Screening Levels, SF Bay Region of the California Water Quality Control Board, February 2016

TABLE 4
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS - METALS
1200 PARK STREET, ALAMEDA, CALIFORNIA

Sample ID	Area of Concern	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
		EPA Method 200.8																
		Sample Date: April 17, 2016; results in micrograms per liter																
B-1 GW	Hoist	<1.0	<1.0	**23**	<1.0	<0.20	**4.3**	<1.0	<2.0	<1.0	<0.20	**2.0**	**11**	<1.0	<1.0	<1.0	**1.9**	<5.0
B-5 GW	Hoist	<1.0	<1.0	**22**	<1.0	<0.20	**3.7**	<1.0	2.6	<1.0	<0.20	**2.1**	**4.0**	<1.0	<1.0	<1.0	**1.9**	<5.0
B-6 GW	Concrete Cutout	<1.0	<1.0	**20**	<1.0	<0.20	**1.2**	**1.1**	<2.0	<1.0	<0.20	<1.0	**6.8**	<1.0	<1.0	<1.0	**1.7**	<5.0
B-10 GW	Gas Station	<1.0	<1.0	**27**	<1.0	<0.20	**1.1**	**1.4**	<2.0	<1.0	<0.20	**6.6**	**5.2**	<1.0	<1.0	<1.0	<1.0	<5.0
B-12 GW	Gas Station	**1.3**	**2.3**	**1,300**	<1.0	<0.20	**1.5**	<1.0	<2.0	<1.0	<0.20	**17**	**4.0**	<1.0	<1.0	<1.0	**2.5**	<5.0
	Tier 1 ESL	6.0	10	1,000	2.7	0.25	50	3.0	3.1	2.5	0.051	100	8.2	5.0	0.19	2.0	19	81
	MCL	6.0	10	1,000	4.0	5.0	50	---	1300	15	2	---	100	50	100 *	2.0	---	5,000 *

Notes:

bold = detected concentration is above laboratory reporting limits
ESL = Environmental Screening Level; San Francisco Region, Regional Water Quality Control Board, February 2016
MCL = Maximum Contaminant Level, California Department of Public Health, September 2013
* = Secondary MCL (taste & order or welfare based)
--- = screening level not established

TABLE 5
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS - TPH AND VOCs
1200 PARK STREET, ALAMEDA, CALIFORNIA

Sample ID	Area of Concern	TPHg	TPHd	TPHmo	Benzene	Toluene	Ethylbenzene	o-Xylene	MTBE	Tetrachloroethene	Naphthalene	Isopropylbenzene	n-Propylbenzene	1,3,5-Trimethylbenzene	tert-Butylbenzene	1,2,4-Trimethylbenzene	p-Isopropyltoluene	Other VOCs
		EPA Method 8015B			EPA Method 8260B													
		Sample Date: April 17, 2016; results in micrograms per liter																
B-1 GW	Hoist	<50	<50	<100	<0.50	<0.50	<0.50	<0.50	<1.0	**3.9**	<0.50	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	ND
B-5 GW	Hoist	<50	<54	<110	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	ND
B-6 GW	Concrete Cutout	<50	**AJ 84,000**	**89,000**	<0.5	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<1.0	<0.50	<1.0	<1.0	<1.0	ND
B-10 GW	Gas Station	**21,000**	**24,000**	**A3 1,900**	<2.5	<2.5	**240**	<2.5	<5.0	<2.5	**730**	**510**	**1,400**	**570**	**66**	**3,100**	**310**	ND
B-12 GW	Gas Station	**3,600**	**11,000**	**16,000**	**5.6**	**2.0**	**83**	**1.3**	<1.0	**0.81**	**81**	**39**	**76**	**4.2**	**4.5**	**16**	**6.6**	ND
	MCL	---	---	---	1.0	40	30	20*	5.0	5.0	0.17	---	---	---	---	---	---	Various
	Tier 1 ESL	100	100	54,000	1.0	40	13	20*	5.0	3.0	0.17	---	---	---	---	---	---	Various

Notes:

TPHg = total petroleum hydrocarbons as gasoline
TPHd = total petroleum hydrocarbons as diesel
TPHmo = total petroleum hydrocarbons as motor oil
VOCs = volatile organic compounds
ND = these analyses include a variety of individual compounds. The "ND" designation indicates that individual compounds included in the analyses were not detected above laboratory reporting limits
bold = detected concentration is above laboratory reporting limits
Shading = detected concentration is above Tier 1 ESL and/or MCL
ESL = Environmental Screening Level; San Francisco Region, Regional Water Quality Control Board, February 2016.
MCL = Maximum Contaminant Level, California Department of Public Health, September 2013.
--- = screening level not established
* = screening level for total xylenes

AJ = heavier hydrocarbon than diesel
A3 = lighter hydrocarbon than motor oil

TABLE 6
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS - SVOCs
1200 PARK STREET, ALAMEDA, CALIFORNIA

Sample ID	Area of Concern	Naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Fluoranthene	Fluorene	Phenanthrene	Pyrene	Indeno(1,2,3-cd)pyrene	Benzo(g,h,i)perylene	Other SVOCs
		EPA Method 8270C SIM										
		Sample Date: April 17, 2016; results in micrograms per liter										
B-1 GW	Hoist	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	ND
B-5 GW	Hoist	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	ND
B-6 GW	Concrete Cutout	**0.086**	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	ND
B-10 GW	Gas Station	**480**	**3.0**	<0.050	**0.40**	**0.41**	**2.6**	**4.6**	**1.6**	<0.050	**0.096**	ND
B-12 GW	Gas Station	**67**	<0.50	**0.46**	0.29	0.33	<0.050	**1.5**	**1.5**	**0.10**	**0.29**	ND
	MCL	0.17	530	---	18,000	800	290	---	120	0.034	---	Various
	Tier 1 ESL	0.17	20	30	0.73	8.0	3.9	4.6	2.0	0.034	0.10	Various

Notes:
SVOCs = semi-volatile organic compounds
ND = these analyses include a variety of individual compounds. The "ND" designation indicates that individual compounds included in the analyses were not detected above laboratory reporting limits
bold = detected concentration is above laboratory reporting limits
Shading = detected concentration is at or above Tier 1 ESL and/or MCL
ESL = Environmental Screening Level; San Francisco Region, Regional Water Quality Control Board, February 2016
MCL = Maximum Contaminant Level, California Department of Public Health, September 2013
--- = screening level not established

APPENDIX A

Regulatory UST Information and Historical Sanborn Fire Insurance Maps

	STREET	ADRS	NOTES	PRMT#	INSTALLED	SIZE	REMOVED/DATE
	A	B	C	D	E	F	G
50	Otis Dr	2200		78	7/7/58	7,500	
51	Otis Dr	2200		78	7/7/58	5,000	
52	Otis Dr	2340	4' underground	no#	7/10/67	10,000	
53	Otis Dr	2340	4' underground	76	5/14/58	5,000	
54	Otis Dr	2340	4' underground	76	5/14/58	5,000	
55	Otis Dr	2340	4' underground	76	5/14/58	3,000	
56	Otis Dr	3120	on skids	57	9/27/55	3,000	
57	Otis Dr	3120	on skids	57	9/27/55	3,000	
58	Otis Dr	3120		57	9/27/55	900	
59	Otis Dr	3120	4' underground	56	9/27/55	1,000	
60	Pacific Ave	441		173	1/30/25	120	
61	Pacific Ave	500		591	7/16/41	2,278	
62	Pacific Ave	635		5	unk	280	YES
63	Pacific Ave	706		523	10/20/36	550	YES 9/18/96
64	Pacific Ave	841	4' underground - rear yard	351	3/19/29	120	
65	Pacific Ave	845	pump system	307	9/6/28	585	
66	Pacific Ave	845		220	6/29/26	120	YES 9/25/92
67	Pacific Ave	1000	pump system	257	3/21/27	280	
68	Pacific Ave	1006	pump system	475	10/18/33	280	
69	Pacific Ave	1006	pump system	193	10/9/25	290	
70	Pacific Ave	1420	buggy	15	5/27/52	50	
71	Pacific Ave	2225	gravity	192	10/1/25	50	
72	Pacific Ave	2329	4' underground	557	10/6/47	550	YES 8/12/70
73	Palmera Ct	726	pump system	291	2/8/28	750	
74	Palmera Ct	730	pump system	251	1/31/27	350	
75	Park Ave	1171		501	11/6/35	unk	YES. 3/27/95
76	Park Ave	1414	4' underground	567	4/14/48	550	
77	Park Ave	1416	& 1418 pump system	415	12/4/30	750	Yes 2/7/00
78	Park St	*	S end (Utah Const) - 4' underground	71	12/17/57	1,000	
79	Park St	*	NW Corner	no#	1/2/59	6,000	YES???
80	Park St	*	NW Corner	no#	1/2/59	4,000	YES???
81	Park St	*	NW Corner	no#	1/2/59	4,000	YES???
82	Park St	920	4' underground	19	10/30/52	550	YES 1/13/74
83	Park St	1110	pump system	292	2/24/28	1,500	
84	Park St	1200		no#	12/13/67	550	
85	Park St	1200		???	???	490	YES 9/27/88
86	Park St	1200		18	10/17/52	5,000	YES 4/21/78
87	Park St	1200		18	10/17/52	5,000	YES 4/21/78
88	Park St	1200		18	10/17/52	5,000	YES 4/21/78
89	Park St	1200		439	2/9/32	550	YES 4/21/78
90	Park St	1200		288	1/14/28	550	
91	Park St	1200		288	1/14/28	550	
92	Park St	1201		468	6/8/33	250	YES - 10/30/02
93	Park St	1201	Portable Buggy	205	1/27/26	50	
94	Park St	1231		5	10/6/13	300	CANCELLED?
95	Park St	1260	4' underground	no#	2/26/71	6,000	
96	Park St	1260	30" underground	no#	5/9/67	6,000	
97	Park St	1260	30" underground	no#	5/9/67	4,000	
98	Park St	1260	30" underground	no#	5/9/67	4,000	

October 17 1952

Fire Prevention Bureau
City of Alameda
Alameda, California

Gentlemen:

We request permission to install three (3) five thousand (5000) gallon gasoline storage tanks on the premises of Standard Oil Company Service Station located on the north east corner of Park Street and San Jose Avenue. Tanks to be Underwriters Laboratories Inc. labeled and to be located at a position designated by the Fire Marshal.

Tanks shall be protected from corrosion by suitable coating and shall be of the following specifications and used for the storage of gasoline.

Gallons Capacity	U.S.S. Gauge Steel	Vent Size	Contents	Location
5000	1/4 inch	2 in.	Gasoline	4 ft underground

Swing joints shall be installed in piping and the entire installation shall be in accordance with requirements as specified in the provisions of the Alameda Municipal Ordinances pertaining to storage of Petroleum Products.

There are at present three (3) five hundred fifty (550) gallon tanks, which will be removed, at this Service Station. This will make the total gallon capacity fifteen thousand (15,000).

Very truly yours
Standard Oil Co of Calif
R P Clark
Standard Oil Company
1212 Broadway, Oakland

Permit No. 18

Approved by:

Thomas McLane

Permission granted by:

City Manager

Refer to card in file under 1200 Park St. - "P"

Permit #18

December 13 1967

Fire Prevention Bureau
City of Alameda
Alameda, California

We request permission to relocate one 550 gallon waste oil tank on the premises of Standard Oil Service Station located at 1200 Park Street. Tank to be 4 ft underground and at position designated by the Fire Marshal.

Swing joints shall be installed in piping and the entire installation shall be in accord with requirements as specified in the provisions of the Alameda Municipal Ordinances pertaining to storage of Petroleum Products.

V Ballard
Fletcher Construction Co
9220 - G Street, Oakland
562-5511

Approved by

E Servente
Fire Marshal

Granted by

N Mueller
City Manager

No 134 Alameda Dec 13 1967

Permit is granted to Standard Oil Co.
1200 Park St
to store waste oil
on premises located at 1200 Park St
4 ft under ground
in quantities not to exceed 1 - 550 gal
waste oil tank

Permit granted by N Mueller
City Mgr
Permit approved by Ernest L. Servente
Fire Marshal

$5.00 Plumbing Inspection fee paid:
C W Spadoni E K

PERMIT NO. 134

CEI Alameda
1200 Park Street
Alameda, CA 94501

Inquiry Number: 4478988.3
November 30, 2015

Certified Sanborn® Map Report

6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

11/30/15

Site Name:
CEI Alameda
1200 Park Street
Alameda, CA 94501

Client Name:
MooreTwining Associates, Inc.
2527 Fresno Street
Fresno, CA 93721

EDR Inquiry # 4478988.3

Contact: Katie Lister

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by MooreTwining Associates, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: CEI Alameda
Address: 1200 Park Street
City, State, Zip: Alameda, CA 94501
Cross Street:
P.O. # NA
Project: CEI Alameda
Certification # E04A-4611-98AA

Sanborn® Library search results
Certification # E04A-4611-98AA

Maps Provided:

1987
1950
1948
1897

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

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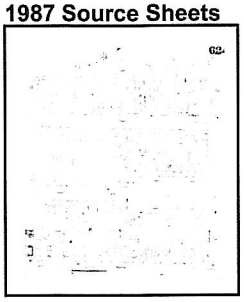
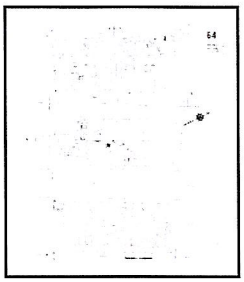
Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1987 Source Sheets

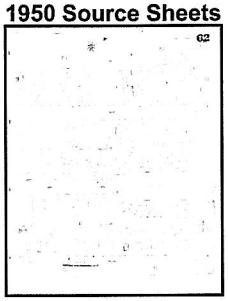


Volume 1, Sheet 62



Volume 1, Sheet 64

1950 Source Sheets



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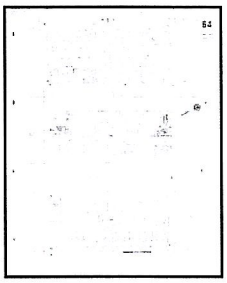

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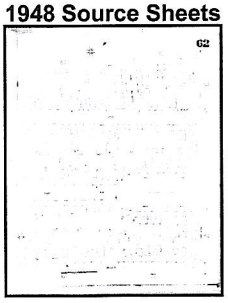
1948 Source Sheets



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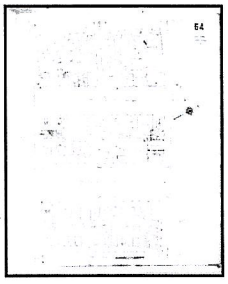

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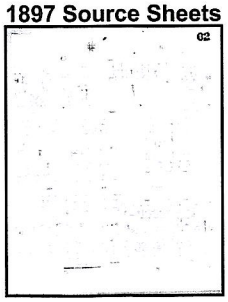
1897 Source Sheets



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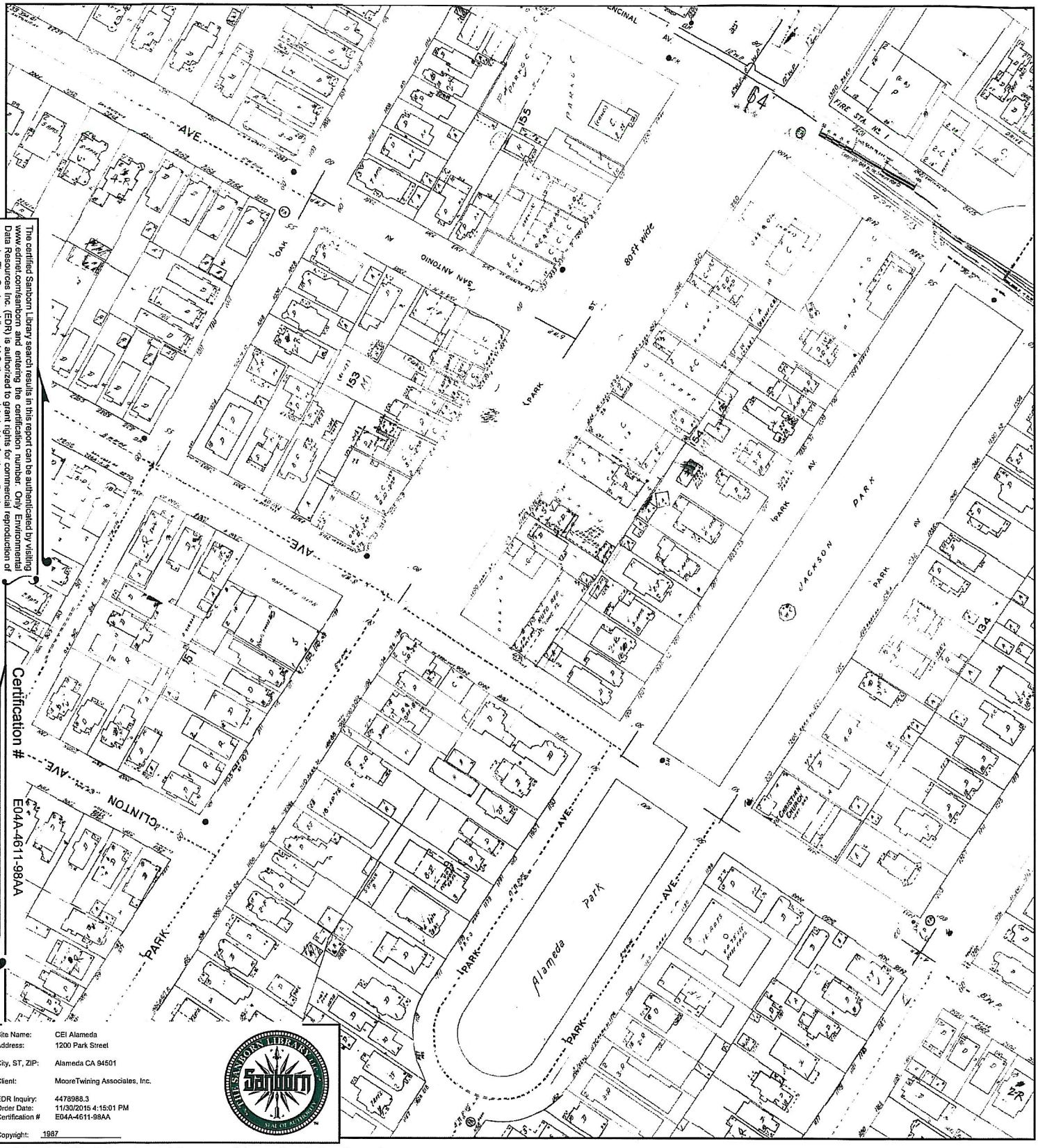
1987 Certified Sanborn Map



Certification # E04A-4611-98AA

Site Name:	CEI Alameda
Address:	1200 Park Street
City, ST, ZIP:	Alameda CA 94501
Client:	MooreTwining Associates, Inc.
EDR Inquiry:	4478988.3
Order Date:	11/30/2015 4:15:01 PM
Certification #	E04A-4611-98AA
Copyright:	1987

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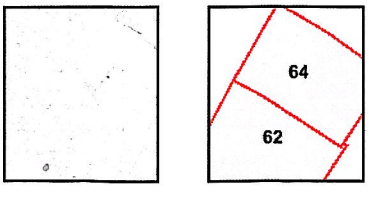

Volume 1, Sheet 62
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0 Feet 150 300 600

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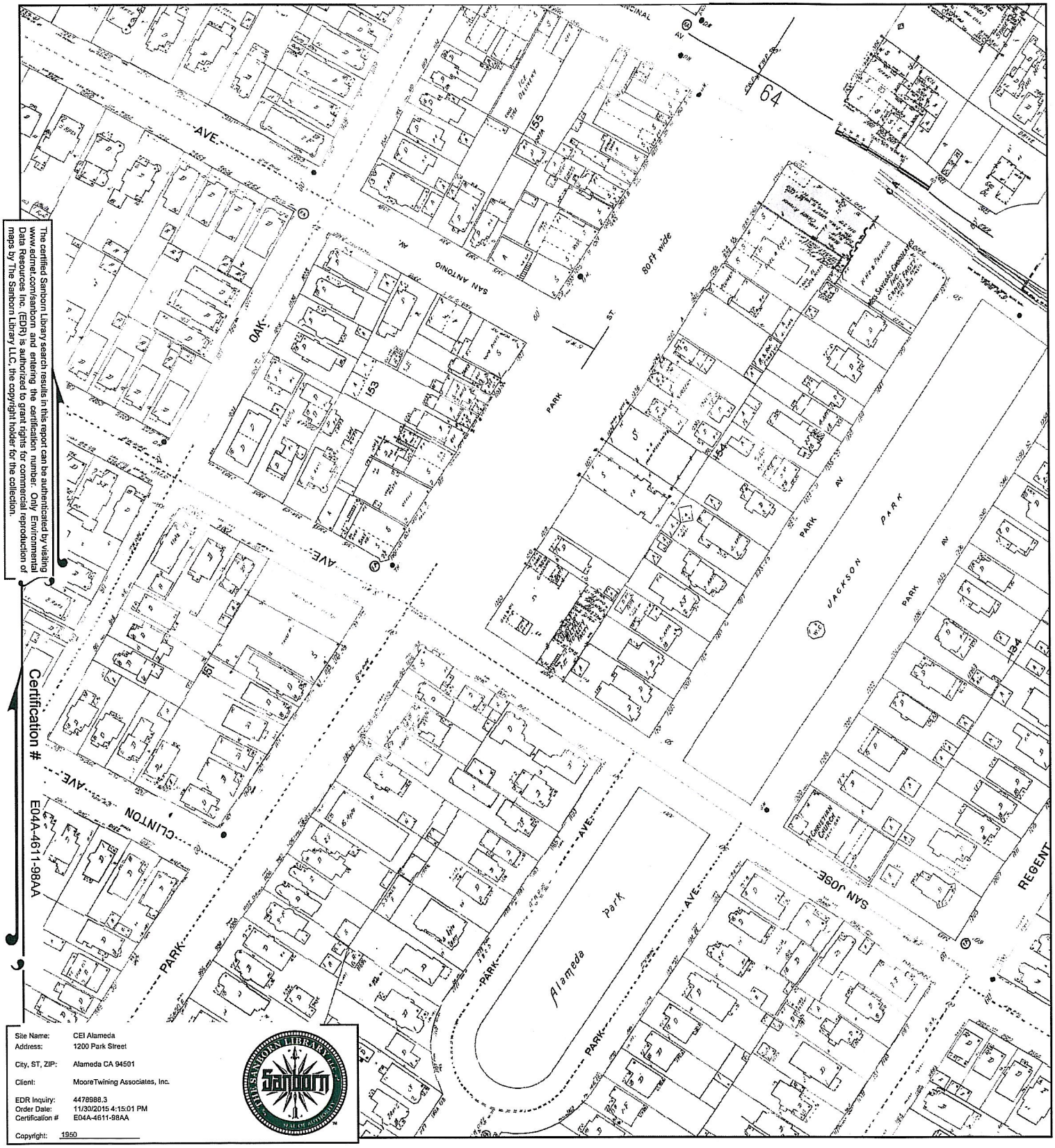
1950 Certified Sanborn Map



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Client:	MooreTwining Associates, Inc.
EDR Inquiry:	4478988.3
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Certification #	E04A-4611-98AA
Copyright:	1950

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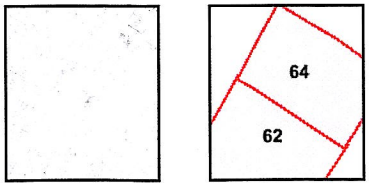

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0 Feet 150 300 600

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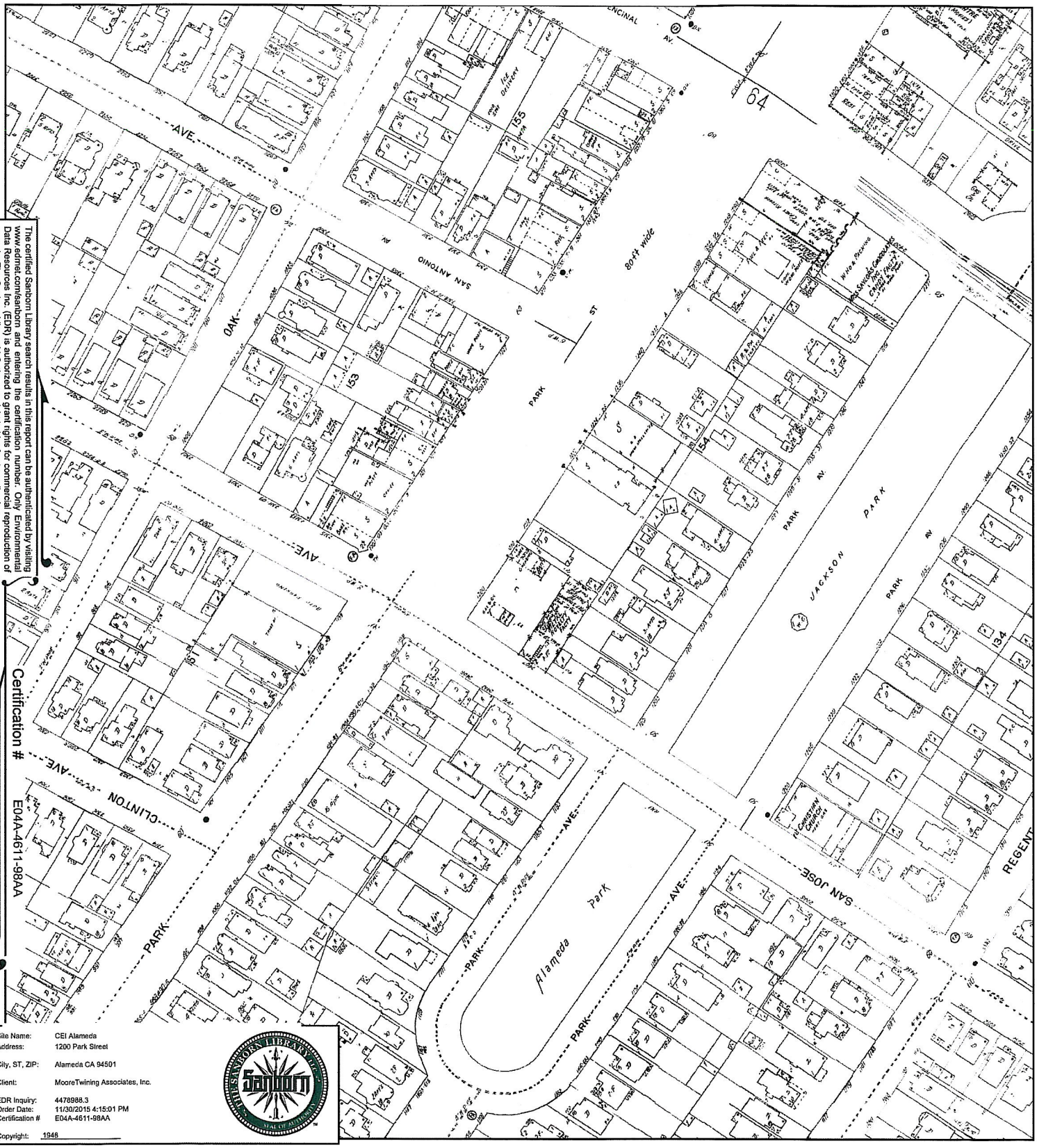
1948 Certified Sanborn Map



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Certification # E04A-4611-98AA

Site Name:	CEI Alameda
Address:	1200 Park Street
City, ST, ZIP:	Alameda CA 94501
Client:	MooreTwining Associates, Inc.
EDR Inquiry:	4478988.3
Order Date:	11/30/2015 4:15:01 PM
Certification #	E04A-4611-98AA
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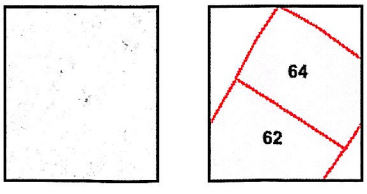

Volume 1, Sheet 62
Volume 1, Sheet 64

0 Feet 150 300 600

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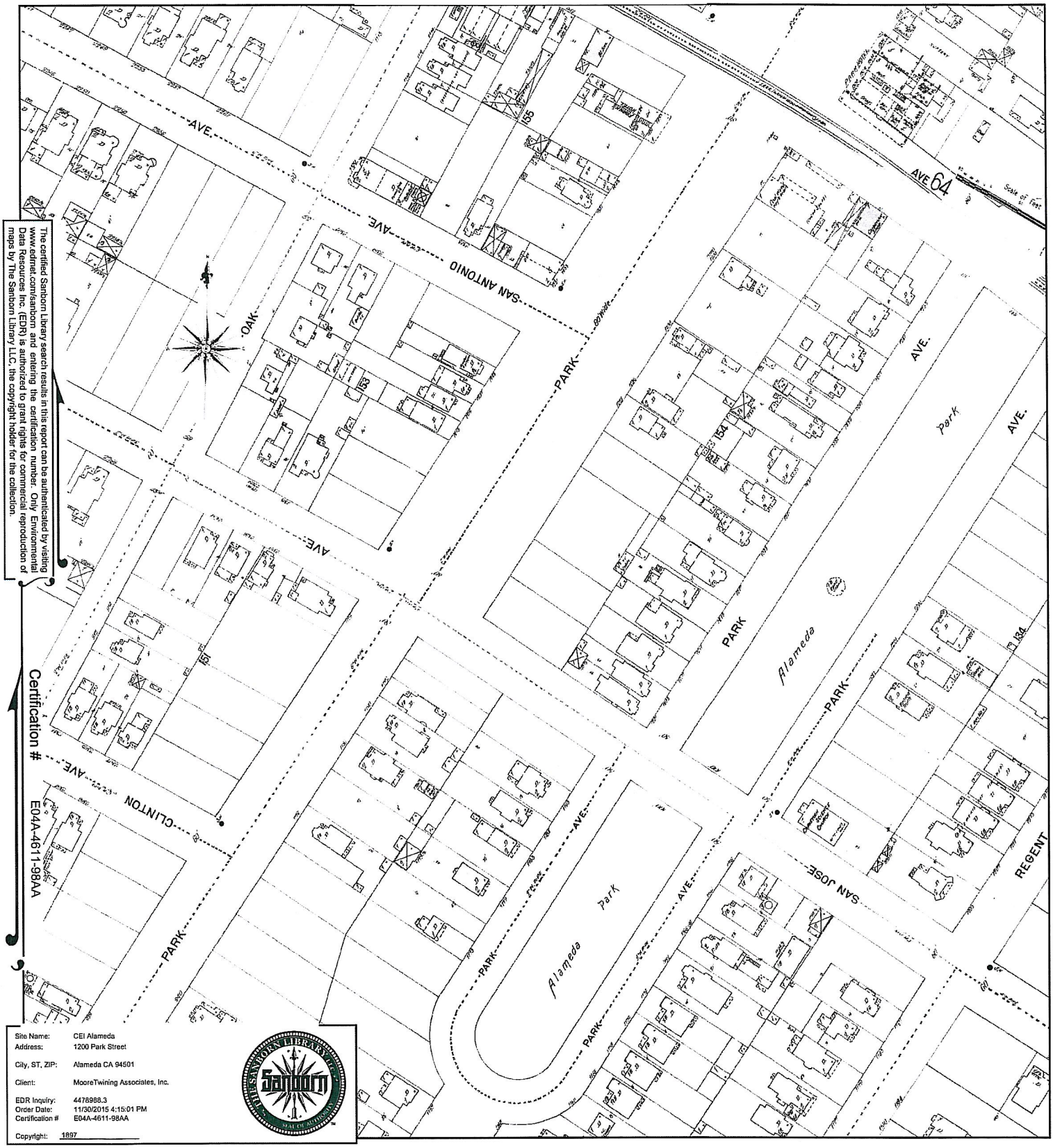
1897 Certified Sanborn Map



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Certification # E04A-4611-98AA

Site Name:	CEI Alameda
Address:	1200 Park Street
City, ST, ZIP:	Alameda CA 94501
Client:	MooreTwining Associates, Inc.
EDR Inquiry:	4478988.3
Order Date:	11/30/2015 4:15:01 PM
Certification #	E04A-4611-98AA
Copyright:	1897

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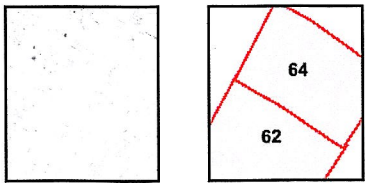
Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 62
Volume 1, Sheet 64

0 Feet 150 300 600

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APPENDIX B

MOORE TWINING ASSOCIATES, INC.

STANDARD OPERATING PROCEDURES

This appendix contains the standard operating procedures used by Moore Twining Associates, Inc. (Moore Twining) in performing investigations. Moore Twining observes these procedures to obtain consistent, reliable data.

Hand Augering and Soil Sampling: Subsurface assessment permits, if required, are filed with the appropriate regulatory agencies prior to conducting field operations. Field activities are performed under the supervision of a California professional geologist or registered professional engineer. Sampling equipment is thoroughly cleaned before, during, and after each use according to Moore Twining's Equipment Decontamination Standard Operating Procedures, described below.

Generally, hand-augered borings are not advanced deeper than 10 to 15 feet. If deeper borings are necessary, the borings will be drilled using hollow stem auger, or other appropriate drilling method. Soil samples are collected by collecting cuttings from the boring, or by driving sample tubes into undisturbed soil at the bottom of the augered hole.

Soil descriptions, including consistency, moisture, particle size, and color, and other relevant observations are recorded on soil boring logs if pertinent to the investigation. Soils are classified in general accordance with the Unified Soil Classification System (USCS). The soil samples are field screened for evidence of volatile organic chemicals (VOCs) and/or other contaminates. The field screening consists of: visual observation for straining or free fluids, unusual odor, and head space analysis using a photo ionization detector (PID). The procedures for performing head space analysis are described in a subsequent paragraph (if pertinent to this investigation).

The soil borings are abandoned by grouting with neat-cement grout. Abandonment procedures may vary depending upon the boring depth, depth to groundwater, project objectives, and regulatory requirements.

Soil cuttings generated during hand augering are either replaced in the borings, or stockpiled, depending upon project requirements. Stockpiled soil is containerized in United States Department of Transportation-approved drums, or placed on and covered with plastic sheeting, and stored on site in an area inaccessible to the general public. Typically, the stockpiled soil is characterized by collecting and analyzing composite samples from the stockpile. Moore Twining can recommend an appropriate method for disposition of stockpiled soil based on the analytical results. Disposal is the responsibility of the client.

Direct Push Drilling; Direct push drilling involves the use of small (1.25 inch to 1.5 inch diameter) steel rods that are hydraulically pushed or hammered into the underlying soil formation to a specified depth. As the steel probe rods are pushed to depth, core samples are collected in clear acetate sleeves that line the inside of the bottom section of rods. After the bottom section of rod is brought to the surface, the acetate sheath is withdrawn and samples of soil for laboratory analysis or for determining lithology are obtained. A new acetate sleeve is then placed in the bottom section of rod and the steel rods are returned to the soil boring in order to sample the next depth interval.

After groundwater has been reached, groundwater samples are collected by the Hydropunch method in general accordance with the US EPA's August 2005 *Groundwater Sampling and Monitoring with*

Direct Push Technologies document. This method consists of driving a Hydropunch sampler from the bottom of a drilled borehole to the desired groundwater sampling depth. The Hydropunch sampler utilizes an air-tight and water-tight sealed intake screen and sample chamber which is isolated from the surrounding environment as the tool is advanced. The shape and smooth exterior surface of the Hydropunch is designed to prevent the downward transport of contamination as the tool is advanced. As the tool is pushed, it cleans itself as the soil particles are displaced to the side and adhere to the surrounding soil material. As the soil is displaced, it compacts into the walls of the hole which produces a very tight annular seal around the tool. The seal enables the Hydropunch to collect a discrete groundwater sample from a specific depth by sealing off groundwater from above and below the zone to be sampled.

When the desired depth for collection of a groundwater sample is reached, the Hydropunch is opened by pulling back on the body of the tool. Soil friction holds the drive cone in place as the body of the tool moves back. The seal between the drive cone and the body of the tool is broken, and groundwater from the surrounding formation flows into the sample chamber. Small diameter inert tubing with a foot valve is then lowered into the Hydropunch screen through the sample rods and a grab groundwater sample is collected. Prior to each use, the Hydropunch tool and all its components are decontaminated.

The soil borings are then abandoned by grouting with neat cement grout. Abandonment procedures may vary depending upon the boring depth, depth to groundwater, project objectives, and regulatory requirements.

Sample Handling and Chain-of-Custody: Records are developed for samples which include the sampling date, sample type, location, job number, name of sampling personnel, and method of preservation. Each sample container is labeled immediately following collection. Sample containers are transported under custody seal. Chain-of-custody protocol, as described in United States Environmental Protection Agency, 1986, Test Methods for Evaluating Solid Waste, SW-846, Third Edition, is followed. Samples will be maintained at approximately 4°C. Upon arrival at the laboratory, the samples will be preserved for analysis as required for the type of analysis.

Photo ionization Detector (PID) Analyses: The PID is calibrated in accordance with the manufacturer's recommendations prior to use in the field. Upon arrival at the project site, the PID is used to monitor background concentrations of organic vapors in the atmosphere at the site. The background concentrations are measured in a location upwind and removed as far as possible from sources of organic vapors on the site. When background concentrations of organic vapors register as "0.0" on the PID, subsequent readings of "0.0" registered from samples tested in the field are recorded as "0"(not detected). When background concentrations of organic vapors register at some quantity above "0.0", subsequent readings registered from samples tested in the field at or below this value are recorded as "B/G" (background).

Equipment Decontamination: Proper decontamination guidelines reduce the potential for cross-contamination among sample locations and introduction of contamination from outside sources.

Before, during, and following drilling operations, drilling equipment is thoroughly cleaned using a high pressure hot water (steam) washer. Well casing, screen, end caps, and centralizers will also be cleaned using a steam washer. Steam cleaning condensate will be containerized for later disposal.

Sampling equipment and any tools, measuring devices, or other equipment which will contact soil, groundwater, or any media being assessed will be washed in a low-phosphate soap and water solution, and rinsed in clean water before each use. The type of soap used will depend upon project requirements.

Decontamination Rinseate, Monitoring Well Purge Water, and Soil Cuttings Disposal: The soil cuttings generated by drilling operations are retained on site, and either covered by plastic sheeting or containerized in United States Department of Transportation (DOT)-approved drums or lined, roll-on/roll-off dumpsters. The drilling equipment decontamination rinseate is also stored in drums. Water purged from monitoring wells is containerized in drums if contamination is known or suspected. Drums containing soil, rinseate, and purged water are sealed and temporarily stored on site at a location remote to the public. After profile analytical results are received and the material has been profiled and accepted by an appropriate disposal facility, the drums will be removed from the site and disposed of in accordance with applicable Federal, State, and local regulations. The client is responsible for the disposal of these wastes.

Performing Head Space Analyses: Head space analyzes are performed using a photo ionization detector (PID). A soil sample is placed in a sealed plastic bag, agitated, and placed in a warm atmosphere. After approximately 15 minutes, which is generally sufficient for some of the volatiles to escape from the soil, the PID probe is inserted into the plastic bag and the gas is sampled. The highest concentration of organic vapors displayed by the PID will be recorded.

APPENDIX C

ACPWA Drilling Permit

Alameda County Public Works Agency - Water Resources Well Permit

Public Works Agency
Alameda County

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

Application Approved on: 02/02/2016 By jamesy

Permit Numbers: W2016-0068
Permits Valid from 04/03/2016 to 04/04/2016

Application Id:	1454353784955	**City of Project Site:**	Alameda
Site Location:	1200 Park Street		
Project Start Date:	02/11/2016	**Completion Date:**	02/11/2016
Assigned Inspector:	Contact Lindsay Furuyama at (925) 956-2311 or Lfuruyama@groundzonees.com		
Extension Start Date:	04/03/2016	**Extension End Date:**	04/04/2016
Extension Count:	1	**Extended By:**	jamesy

Applicant:	Moore Twining Associates, Inc - Paul Dotson 2527 Fresno St, Fresno, CA 93721	**Phone:** 559-777-8956
Property Owner:	Richard plus Garfinkle 36 Nicholl Ave, Point Richmond, CA 94801	**Phone:** --
Client:	Cliff Powell TBC Corporation 4300 TBC Way, Palm Beach Gardens, FL 33410	**Phone:** --
Contact:	Paul Dotson	**Phone:** 559-268-7021 **Cell:** 559-268-7126

	Total Due:	$265.00
Receipt Number: WR2016-0051	**Total Amount Paid:**	$265.00
Payer Name : Kate Cark	Paid By: VISA	**PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Environmental/Monitorinig Study - 7 Boreholes
Driller: Vapor Tech Services - Lic #: 916085 - Method: DP **Work Total: $265.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2016-0068	02/02/2016	05/11/2016	7	2.50 in.	15.00 ft

Specific Work Permit Conditions

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

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

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

4. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

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

6. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

7. NOTE:
Under California laws, the owner/operator are responsible for reporting the contamination to the governmental regulatory agencies under Section 25295(a). The owner/operator is liable for civil penalties under Section 25299(a)(4) and criminal penalties under Section 25299(d) for failure to report a leak. The owner/operator is liable for civil penalties under Section 25299(b)(4) for knowing failure to ensure compliance with the law by the operator. These penalty provisions do not apply to a potential buyer.

8. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

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

10. Weekend work approved. Applicant shall within 5 working days from the completion of drilling work the following: Email to well@acpwa.org stating that all the work permitted was completed or not, including any changes made (include a final site map if need be) and photos of each boreholes being grouted and including photos of the finished backfilled holes of each boreholes.

Failure to notify by email within 5 working days shall be a violation of these permit conditions and a fine of $500 dollars may be imposed or future permit not being permitted.

APPENDIX D

Soil Boring Logs

MOORE TWINING ASSOCIATES, INC.

LOG OF SOIL BORING

BORING B-1

Project:

Location: 1200 Park St, Alameda, CA

Project Number: C66423.02

Logged By: Keith Mayes

Date Started: 4/17/16

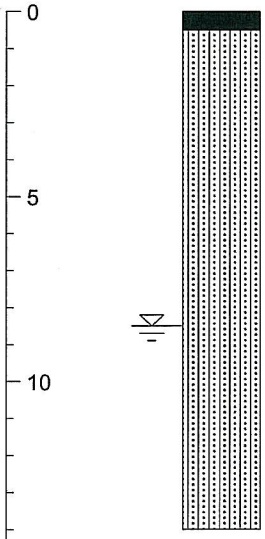
Drilled By: VTS

Auger Type: 1.25" Diameter DPT rods

Drill Type: Geoprobe 420M

Depth to Groundwater: 8.5'

Elevation:



DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Blows per foot	PID READINGS (ppm)
0		RC	4" concrete		
		SM	Silty sand, brown, fine- grained, no odor		
			Brick debris		
5			Light brown, no debris		0 ppm
			Increase in moisture, fine- to medium-grained, no odor, color to brown		0 ppm
			Wet		0 ppm
10					0 ppm
15			Bottom of Boring		
20					
25					

Notes: *Collected grab groundwater sample B-1 GW at 1105. Sample collected through 1/2" diameter PVC temporary well casing using peristaltic pump.*

MOORE TWINING ASSOCIATES, INC.

LOG OF SOIL BORING

BORING B-2

Project:

Location: 1200 Park St, Alameda, CA

Project Number: C66423.02

Logged By: Keith Mayes

Date Started: 4/17/16

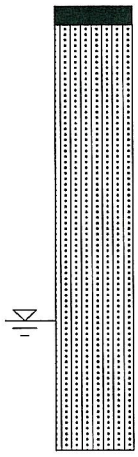
Drilled By: VTS

Auger Type: 1.25" Diameter DPT rods

Drill Type: Geoprobe 420M

Depth to Groundwater: 8.5'

Elevation:

DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Blows per foot	PID READINGS (ppm)
0		RC	4" Concrete		
		SM	Silty sand, damp, brown, fine- to medium-grained, concrete debris, no odor		
			No debris		
5					0 ppm
					0 ppm
			Wet, no odor		
10					0 ppm
			Bottom of Boring		
15					
20					
25					

Notes:

MOORE TWINING ASSOCIATES, INC.

LOG OF SOIL BORING

BORING B-3

Project:

Location: 1200 Park St, Alameda, CA

Project Number: C66423.02

Logged By: Keith Mayes

Date Started: 4/17/16

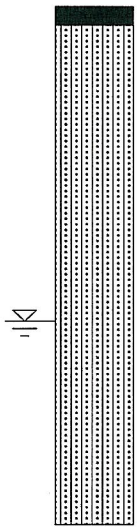
Drilled By: VTS

Auger Type: 1.25" Diameter DPT rods

Drill Type: Geoprobe 420M

Depth to Groundwater: 8.5'

Elevation:

DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Blows per foot	PID READINGS (ppm)
0		RC	4" Concrete		
		SM	Silty sand, brown, fine-grained, damp, no odor		
5			Color to light brown		0 ppm
			Color to brown, fine- to medium-grained, moist		
			Wet		0 ppm
10					0 ppm
			Bottom of Boring		0 ppm
15					
20					
25					

Notes:

MOORE TWINING ASSOCIATES, INC.

LOG OF SOIL BORING

BORING B-4

Project:

Location: 1200 Park St, Alameda, CA

Project Number: C66423.02

Logged By: Keith Mayes

Date Started: 4/17/16

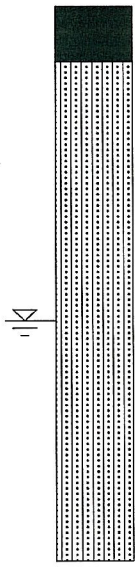
Drilled By: VTS

Auger Type: 1.25" Diameter DPT rods

Drill Type: Geoprobe 420M

Depth to Groundwater: 8.5'

Elevation:

DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Blows per foot	PID READINGS (ppm)
0		RC	10" Concrete, 5" Pea Gravel		
		SM	Silty sand, damp, fine-grained, brown, no odor		
5			Moist		0 ppm
			Wet, no odor		0 ppm
10					0 ppm
15					0 ppm
			Bottom of Boring		
20					
25					

Notes:

MOORE TWINING ASSOCIATES, INC.

LOG OF SOIL BORING

BORING B-5

Project:

Location: 1200 Park St, Alameda, CA

Project Number: C66423.02

Logged By: Keith Mayes

Date Started: 4/17/16

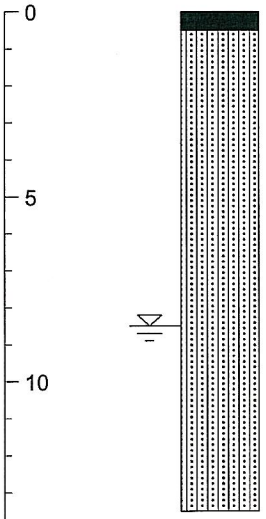
Drilled By: VTS

Auger Type: 1.25" Diameter DPT rods

Drill Type: Geoprobe 420M

Depth to Groundwater: 8.5'

Elevation:



DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Blows per foot	PID READINGS (ppm)
0		RC	Concrete		
		SM	Silty sand, damp, fine-grained, brown, no odor		
5			Moist, no odor		0 ppm
			Wet		0 ppm
10					0 ppm
					0 ppm
			Bottom of Boring		
15					
20					
25					

Notes: *Collected grab groundwater sample B-5 GW at 1520. Sample collected through 1/2" diameter PVC temporary well casing using peristaltic pump.*

MOORE TWINING ASSOCIATES, INC.

LOG OF SOIL BORING

BORING B-6

Project:

Location: 1200 Park St, Alameda, CA

Project Number: C66423.02

Logged By: Keith Mayes

Date Started: 4/17/16

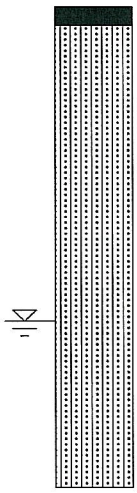
Drilled By: VTS

Auger Type: 1.25" Diameter DPT rods

Drill Type: Geoprobe 420M

Depth to Groundwater: 8.5'

Elevation:

DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Blows per foot	PID READINGS (ppm)
0		RC	Concrete		
		SM	Silty sand, damp, fine-grained, brown, no odor		
5			Moist, no odor		0 ppm
			Slight petroleum odor		0.5 ppm
			Wet, slight petroleum odor		
10			Slight gray banding, slight odor		0.7 ppm
			Less odor, no staining		0.5 ppm
			Bottom of Boring		
15					
20					
25					

Notes: *Collected grab groundwater sample B-6 GW at 1450. Sample collected through 1/2" diameter PVC temporary well casing using peristaltic pump.*

MOORE TWINING ASSOCIATES, INC.

LOG OF SOIL BORING

BORING B-7

Project:

Location: 1200 Park St, Alameda, CA

Project Number: C66423.02

Logged By: Keith Mayes

Date Started: 4/17/16

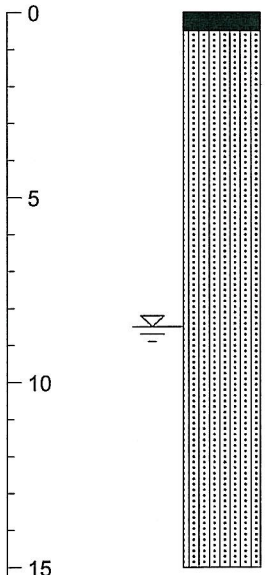
Drilled By: VTS

Auger Type: 2.25" Diameter DPT rods

Drill Type: Geoprobe 7822DT

Depth to Groundwater: 8.5'

Elevation:



DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Blows per foot	PID READINGS (ppm)
0		AC	Asphaltic concrete		
		RC	Concrete		
		SM	Silty sand, damp, fine- to medium-grained, brown, no odor		
5			Moist		0 ppm
			Wet, no odor		
10					0 ppm
15					0 ppm
			Bottom of Boring		
20					
25					

Notes:

MOORE TWINING ASSOCIATES, INC.

LOG OF SOIL BORING

BORING B-8

Project:

Location: 1200 Park St, Alameda, CA

Project Number: C66423.02

Logged By: Keith Mayes

Date Started: 4/17/16

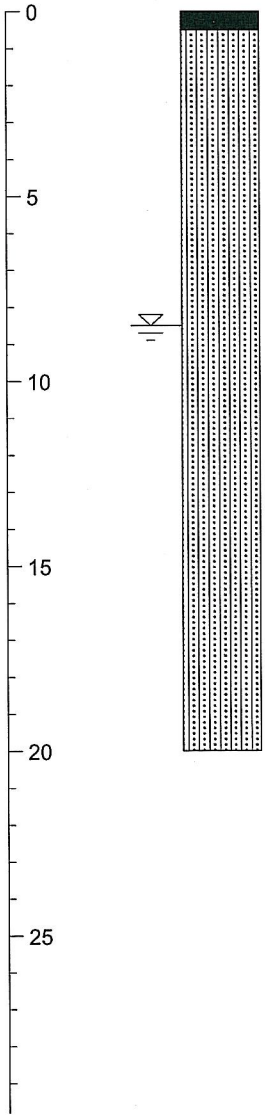
Drilled By: VTS

Auger Type: 2.25" Diameter DPT rods

Drill Type: Geoprobe 7822DT

Depth to Groundwater: 8.5'

Elevation:



DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Blows per foot	PID READINGS (ppm)
		AC	Asphaltic concrete		
		RC	Concrete		
		SM	Silty sand, damp, fine- to medium-grained, brown, no odor		0 ppm
			Wet Gray staining, slight petroleum odor		0 ppm 2.6 ppm
			No staining, no odor Only 1 foot of recovered core between 15 - 20 ft bsg		0.1 ppm
			Bottom of Boring		

Notes:

MOORE TWINING ASSOCIATES, INC.

LOG OF SOIL BORING

BORING B-9

Project:

Location: 1200 Park St, Alameda, CA

Project Number: C66423.02

Logged By: Keith Mayes

Date Started: 4/17/16

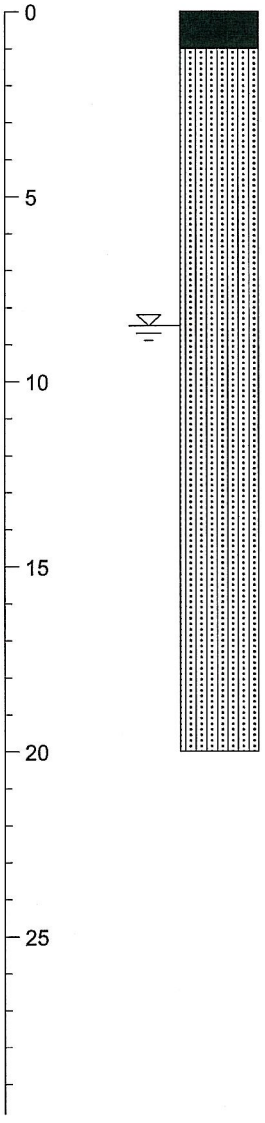
Drilled By: VTS

Auger Type: 2.25" Diameter DPT rods

Drill Type: Geoprobe 7822DT

Depth to Groundwater: 8.5'

Elevation:



DEPTH (feet)	USCS	Soil Description	Blows per foot	PID READINGS (ppm)
0	AC	Asphaltic concrete		
	RC	Concrete		
	SM	Silty sand, damp, fine to medium-grained, brown, no odor		
5		Moist, no odor		0 ppm
		Wet		0 ppm
10		Gray staining, slight petroleum odor Moderate petroleum odor		13.1 ppm
		Brown, no gray staining, no odor		
15				0 ppm
20				0 ppm
		Bottom of Boring		
25				

Notes:

MOORE TWINING ASSOCIATES, INC.

LOG OF SOIL BORING

BORING B-10

Project:

Location: 1200 Park St, Alameda, CA

Project Number: C66423.02

Logged By: Keith Mayes

Date Started: 4/17/16

Drilled By: VTS

Auger Type: 2.25" Diameter DPT rods

Drill Type: Geoprobe 7822DT

Depth to Groundwater: 8.5'

Elevation:

DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Blows per foot	PID READINGS (ppm)
0		AC	Asphaltic concrete		
		RC	Concrete		
		SM	Silty sand, damp, fine to medium-grained, brown, no odor		
5			Moist		0 ppm
			Wet		0 ppm
10			Gray, strong petroleum odor		453 ppm
			No staining, color to brown, slight petroleum odor		
15					3.4 ppm
			Gray staining, no odor		
					0.8 ppm
20			Bottom of Boring		
25					

Notes: *Collected grab groundwater sample B-10 GW at 1840. Sample collected through 1/2" diameter PVC temporary well casing using peristaltic pump.*

MOORE TWINING ASSOCIATES, INC.

LOG OF SOIL BORING

BORING B-11

Project:

Location: 1200 Park St, Alameda, CA

Project Number: C66423.02

Logged By: Keith Mayes

Date Started: 4/17/16

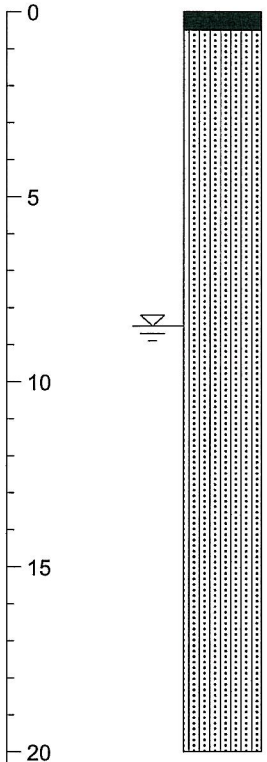
Drilled By: VTS

Auger Type: 2.25" Diameter DPT rods

Drill Type: Geoprobe 7822DT

Depth to Groundwater: 8.5'

Elevation:



DEPTH (feet)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	USCS	Soil Description	Blows per foot	PID READINGS (ppm)
		AC	Asphaltic conrete		
		SM	Silty sand, damp, fine to medium-grained, brown, no odor		
5			Moist		0 ppm
			Wet		
10			Gray color staining, slight petroleum odor		5.8 ppm
			Color to brown, no odor		
15					0.2 ppm
20					0.7 ppm
			Bottom of Boring		

Notes:

MOORE TWINING ASSOCIATES, INC.

LOG OF SOIL BORING

BORING B-12

Project:

Location: 1200 Park St, Alameda, CA

Project Number: C66423.02

Logged By: Keith Mayes

Date Started: 4/17/16

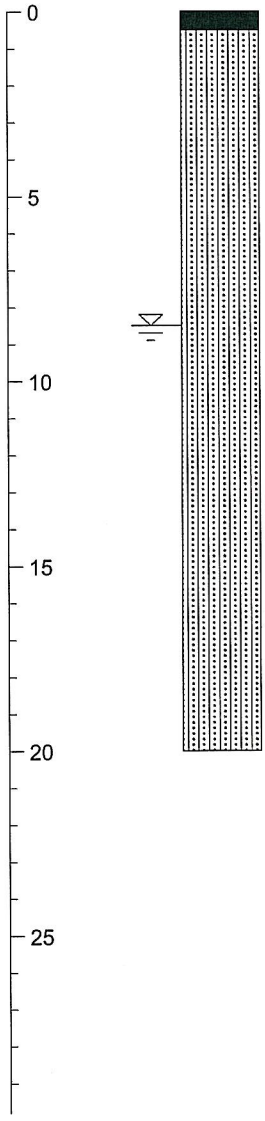
Drilled By: VTS

Auger Type: 2.25" Diameter DPT rods

Drill Type: Geoprobe 7822DT

Depth to Groundwater: 8.5'

Elevation:



DEPTH (feet)	USCS	Soil Description	Blows per foot	PID READINGS (ppm)
0	AC	Asphaltic concrete		
	SM	Silty sand, damp, fine- to medium-grained, brown, no odor		
5		Slight petroleum odor		
		Color to gray, moderate petroleum odor (gas)		41.3 ppm
10		Strong petroleum odor		641 ppm
		Brown, slight odor		
15		No odor		0 ppm
20		Bottom of Boring		4.0 ppm
25				

Notes: *Collected grab groundwater sample B-12 GW at 2000. Sample collected through 1/2" diameter PVC temporary well casing using peristaltic pump.*

KEY TO SYMBOLS

Symbol	Description
Strata symbols	
	Reinforced Concrete
	Silty sand
Misc. Symbols	
	Water table during drilling

Notes:

1. Boring locations are referenced to existing site features.

2. These logs are subject to the limitations, conclusions, and recommendations in this report.

APPENDIX E

Laboratory Analytical Reports

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

May 10, 2016

Work Order #: CD18037

Paul Dotson
MTA Environmental Division
2527 Fresno Street
Fresno, CA 93721

RE: 1200Park St, Alameda, CA

Enclosed are the analytical results for samples received by our laboratory on 04/18/16 . For your reference, these analyses have been assigned laboratory work order number CD18037 .

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.

Julio Morales
Client Services Supervisor

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B1-10'	CD18037-01	Soil	04/17/16 08:35	04/18/16 13:35
B2-11.5'	CD18037-02	Soil	04/17/16 09:23	04/18/16 13:35
B3-11'	CD18037-03	Soil	04/17/16 09:52	04/18/16 13:35
B4-10'	CD18037-04	Soil	04/17/16 10:35	04/18/16 13:35
B5-10'	CD18037-05	Soil	04/17/16 13:30	04/18/16 13:35
B6-10.5'	CD18037-06	Soil	04/17/16 14:03	04/18/16 13:35
B7-10'	CD18037-07	Soil	04/17/16 16:05	04/18/16 13:35
B8-10'	CD18037-08	Soil	04/17/16 16:23	04/18/16 13:35
B9-10'	CD18037-09	Soil	04/17/16 16:53	04/18/16 13:35
B10-10'	CD18037-10	Soil	04/17/16 17:30	04/18/16 13:35
B11-10'	CD18037-11	Soil	04/17/16 18:03	04/18/16 13:35
B12-10'	CD18037-12	Soil	04/17/16 18:55	04/18/16 13:35
B-1 GW	CD18037-13	Ground Water	04/17/16 11:05	04/18/16 13:35
B-5 GW	CD18037-14	Ground Water	04/17/16 15:20	04/18/16 13:35
B-6 GW	CD18037-15	Ground Water	04/17/16 14:03	04/18/16 13:35
B-10 GW	CD18037-16	Ground Water	04/17/16 18:40	04/18/16 13:35
B-12 GW	CD18037-17	Ground Water	04/17/16 20:00	04/18/16 13:35

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B1-10'

CD18037-01 (Soil) Sampled:04/17/16 08:35

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals - Totals									
Antimony		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Arsenic		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Barium		**46**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Beryllium		ND	0.40	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Cadmium		ND	0.40	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Chromium		**45**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Cobalt		**2.7**	0.80	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Copper		**6.5**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Lead		**2.3**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Mercury		ND	0.013	mg/kg	1	U6D2210	04/25/16	04/25/16	EPA 7471A
Molybdenum		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Nickel		**30**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Selenium		ND	5.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Silver		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Thallium		ND	5.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Vanadium		**27**	2.5	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Zinc		**20**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Semi-Volatile Organics									
Acenaphthylene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Acenaphthene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Fluorene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Naphthalene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Phenanthrene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Anthracene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Fluoranthene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Pyrene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Benzo (a) anthracene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Chrysene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Benzo (b) fluoranthene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Benzo (k) fluoranthene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Benzo (a) pyrene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Dibenzo(a,h)anthracene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B1-10'

CD18037-01 (Soil) Sampled:04/17/16 08:35

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Benzo(ghi)perylene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Surrogate: Nitrobenzene-d5		*73.9 %*	*41-110*			*U6D2102*	*04/21/16*	*04/27/16*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl		*77.1 %*	*40-92*			*U6D2102*	*04/21/16*	*04/27/16*	*EPA 8270C*
Surrogate: d14-Terphenyl		*84.0 %*	*44-131*			*U6D2102*	*04/21/16*	*04/27/16*	*EPA 8270C*
PCB-1016		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
PCB-1221		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
PCB-1232		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
PCB-1242		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
PCB-1248		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
PCB-1254		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
PCB-1260		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
Total PCBs		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
Surrogate: Tetrachloro-meta-xylene (TMX)		*40.0 %*	*20.6-119*			*U6D2209*	*04/22/16*	*04/22/16*	*EPA 8082*
Surrogate: Decachlorobiphenyl (DCB)		*100 %*	*17.2-156*			*U6D2209*	*04/22/16*	*04/22/16*	*EPA 8082*
Diesel		ND	10	mg/kg	1	U6D1805	04/19/16	04/19/16	EPA 8015B
Surrogate: o-Terphenyl		*78.3 %*	*11.8-130*			*U6D1805*	*04/19/16*	*04/19/16*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	U6D1805	04/19/16	04/19/16	EPA 8015B
Volatile Organics									
Gasoline (C6-C10)		ND	1.0	mg/kg	1	U6D1905	04/19/16	04/19/16	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*104 %*	*70-130*			*U6D1905*	*04/19/16*	*04/19/16*	*EPA 8015B*

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California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B2-11.5'

CD18037-02 (Soil) Sampled:04/17/16 09:23

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals - Totals									
Antimony		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Arsenic		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Barium		**51**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Beryllium		ND	0.40	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Cadmium		ND	0.40	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Chromium		**40**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Cobalt		**4.6**	0.80	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Copper		**6.5**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Lead		**2.3**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Mercury		ND	0.013	mg/kg	1	U6D2210	04/25/16	04/25/16	EPA 7471A
Molybdenum		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Nickel		**34**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Selenium		ND	5.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Silver		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Thallium		ND	5.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Vanadium		**28**	2.5	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Zinc		**21**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Semi-Volatile Organics									
Acenaphthylene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Acenaphthene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Fluorene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Naphthalene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Phenanthrene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Anthracene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Fluoranthene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Pyrene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Benzo (a) anthracene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Chrysene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Benzo (b) fluoranthene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Benzo (k) fluoranthene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Benzo (a) pyrene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Dibenzo(a,h)anthracene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B2-11.5'

CD18037-02 (Soil) Sampled:04/17/16 09:23

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Benzo(ghi)perylene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Surrogate: Nitrobenzene-d5		*74.2 %*	*41-110*			*U6D2102*	*04/21/16*	*04/27/16*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl		*70.8 %*	*40-92*			*U6D2102*	*04/21/16*	*04/27/16*	*EPA 8270C*
Surrogate: d14-Terphenyl		*89.2 %*	*44-131*			*U6D2102*	*04/21/16*	*04/27/16*	*EPA 8270C*
PCB-1016		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
PCB-1221		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
PCB-1232		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
PCB-1242		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
PCB-1248		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
PCB-1254		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
PCB-1260		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
Total PCBs		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
Surrogate: Tetrachloro-meta-xylene (TMX)		*40.0 %*	*20.6-119*			*U6D2209*	*04/22/16*	*04/22/16*	*EPA 8082*
Surrogate: Decachlorobiphenyl (DCB)		*100 %*	*17.2-156*			*U6D2209*	*04/22/16*	*04/22/16*	*EPA 8082*
Diesel		ND	10	mg/kg	1	U6D1805	04/19/16	04/20/16	EPA 8015B
Surrogate: o-Terphenyl		*68.0 %*	*11.8-130*			*U6D1805*	*04/19/16*	*04/20/16*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	U6D1805	04/19/16	04/20/16	EPA 8015B
Volatile Organics									
Gasoline (C6-C10)		ND	1.0	mg/kg	1	U6D1905	04/19/16	04/19/16	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*103 %*	*70-130*			*U6D1905*	*04/19/16*	*04/19/16*	*EPA 8015B*

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2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B3-11'

CD18037-03 (Soil) Sampled:04/17/16 09:52

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals - Totals									
Antimony		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Arsenic		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Barium		**37**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Beryllium		ND	0.40	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Cadmium		ND	0.40	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Chromium		**45**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Cobalt		**3.7**	0.80	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Copper		**5.6**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Lead		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Mercury		ND	0.013	mg/kg	1	U6D2210	04/25/16	04/25/16	EPA 7471A
Molybdenum		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Nickel		**29**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Selenium		ND	5.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Silver		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Thallium		ND	5.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Vanadium		**33**	2.5	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Zinc		**19**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Semi-Volatile Organics									
Acenaphthylene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Acenaphthene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Fluorene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Naphthalene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Phenanthrene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Anthracene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Fluoranthene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Pyrene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Benzo (a) anthracene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Chrysene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Benzo (b) fluoranthene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Benzo (k) fluoranthene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Benzo (a) pyrene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Dibenzo(a,h)anthracene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B3-11'

CD18037-03 (Soil) Sampled:04/17/16 09:52

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Benzo(ghi)perylene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Surrogate: Nitrobenzene-d5		*75.1 %*	*41-110*			*U6D2102*	*04/21/16*	*04/27/16*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl		*75.3 %*	*40-92*			*U6D2102*	*04/21/16*	*04/27/16*	*EPA 8270C*
Surrogate: d14-Terphenyl		*78.6 %*	*44-131*			*U6D2102*	*04/21/16*	*04/27/16*	*EPA 8270C*
PCB-1016		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
PCB-1221		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
PCB-1232		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
PCB-1242		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
PCB-1248		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
PCB-1254		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
PCB-1260		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
Total PCBs		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
Surrogate: Tetrachloro-meta-xylene (TMX)		*40.0 %*	*20.6-119*			*U6D2209*	*04/22/16*	*04/22/16*	*EPA 8082*
Surrogate: Decachlorobiphenyl (DCB)		*110 %*	*17.2-156*			*U6D2209*	*04/22/16*	*04/22/16*	*EPA 8082*
Diesel		ND	10	mg/kg	1	U6D1805	04/19/16	04/20/16	EPA 8015B
Surrogate: o-Terphenyl		*88.8 %*	*11.8-130*			*U6D1805*	*04/19/16*	*04/20/16*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	U6D1805	04/19/16	04/20/16	EPA 8015B
Volatile Organics									
Gasoline (C6-C10)		ND	1.0	mg/kg	1	U6D1905	04/19/16	04/19/16	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*105 %*	*70-130*			*U6D1905*	*04/19/16*	*04/19/16*	*EPA 8015B*

MOORE TWINING ASSOCIATES, INC.

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2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B4-10'

CD18037-04 (Soil) Sampled:04/17/16 10:35

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals - Totals									
Antimony		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Arsenic		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Barium		**48**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Beryllium		ND	0.40	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Cadmium		ND	0.40	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Chromium		**48**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Cobalt		**4.2**	0.80	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Copper		**7.3**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Lead		**2.3**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Mercury		ND	0.013	mg/kg	1	U6D2210	04/25/16	04/25/16	EPA 7471A
Molybdenum		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Nickel		**35**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Selenium		ND	5.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Silver		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Thallium		ND	5.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Vanadium		**32**	2.5	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Zinc		**23**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Semi-Volatile Organics									
Acenaphthylene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Acenaphthene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Fluorene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Naphthalene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Phenanthrene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Anthracene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Fluoranthene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Pyrene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Benzo (a) anthracene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Chrysene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Benzo (b) fluoranthene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Benzo (k) fluoranthene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Benzo (a) pyrene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Dibenzo(a,h)anthracene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B4-10'

CD18037-04 (Soil) Sampled:04/17/16 10:35

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Benzo(ghi)perylene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Surrogate: Nitrobenzene-d5		*70.4 %*	*41-110*			*U6D2102*	*04/21/16*	*04/27/16*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl		*70.4 %*	*40-92*			*U6D2102*	*04/21/16*	*04/27/16*	*EPA 8270C*
Surrogate: d14-Terphenyl		*87.9 %*	*44-131*			*U6D2102*	*04/21/16*	*04/27/16*	*EPA 8270C*
Diesel		ND	10	mg/kg	1	U6D1805	04/19/16	04/20/16	EPA 8015B
Surrogate: o-Terphenyl		*95.0 %*	*11.8-130*			*U6D1805*	*04/19/16*	*04/20/16*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	U6D1805	04/19/16	04/20/16	EPA 8015B
Volatile Organics									
Gasoline (C6-C10)		ND	1.0	mg/kg	1	U6D1905	04/19/16	04/19/16	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*107 %*	*70-130*			*U6D1905*	*04/19/16*	*04/19/16*	*EPA 8015B*

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(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B5-10'

CD18037-05 (Soil) Sampled:04/17/16 13:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals - Totals									
Antimony		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Arsenic		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Barium		**49**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Beryllium		ND	0.40	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Cadmium		ND	0.40	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Chromium		**29**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Cobalt		**3.7**	0.80	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Copper		**5.9**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Lead		**2.1**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Mercury		ND	0.013	mg/kg	1	U6D2210	04/25/16	04/25/16	EPA 7471A
Molybdenum		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Nickel		**31**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Selenium		ND	5.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Silver		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Thallium		ND	5.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Vanadium		**23**	2.5	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Zinc		**17**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Semi-Volatile Organics									
Acenaphthylene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Acenaphthene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Fluorene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Naphthalene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Phenanthrene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Anthracene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Fluoranthene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Pyrene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Benzo (a) anthracene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Chrysene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Benzo (b) fluoranthene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Benzo (k) fluoranthene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Benzo (a) pyrene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Dibenzo(a,h)anthracene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C

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(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B5-10'

CD18037-05 (Soil) Sampled:04/17/16 13:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Benzo(ghi)perylene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/27/16	EPA 8270C
Surrogate: Nitrobenzene-d5		*70.9 %*	*41-110*			*U6D2102*	*04/21/16*	*04/27/16*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl		*73.4 %*	*40-92*			*U6D2102*	*04/21/16*	*04/27/16*	*EPA 8270C*
Surrogate: d14-Terphenyl		*120 %*	*44-131*			*U6D2102*	*04/21/16*	*04/27/16*	*EPA 8270C*
PCB-1016		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
PCB-1221		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
PCB-1232		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
PCB-1242		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
PCB-1248		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
PCB-1254		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
PCB-1260		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
Total PCBs		ND	0.050	mg/kg	1	U6D2209	04/22/16	04/22/16	EPA 8082
Surrogate: Tetrachloro-meta-xylene (TMX)		*30.0 %*	*20.6-119*			*U6D2209*	*04/22/16*	*04/22/16*	*EPA 8082*
Surrogate: Decachlorobiphenyl (DCB)		*100 %*	*17.2-156*			*U6D2209*	*04/22/16*	*04/22/16*	*EPA 8082*
Diesel		ND	10	mg/kg	1	U6D1805	04/19/16	04/20/16	EPA 8015B
Surrogate: o-Terphenyl		*89.2 %*	*11.8-130*			*U6D1805*	*04/19/16*	*04/20/16*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	U6D1805	04/19/16	04/20/16	EPA 8015B
Volatile Organics									
Gasoline (C6-C10)		ND	1.0	mg/kg	1	U6D1905	04/19/16	04/19/16	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*104 %*	*70-130*			*U6D1905*	*04/19/16*	*04/19/16*	*EPA 8015B*

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B6-10.5'

CD18037-06 (Soil) Sampled:04/17/16 14:03

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals - Totals									
Antimony		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Arsenic		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Barium		**39**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Beryllium		ND	0.40	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Cadmium		ND	0.40	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Chromium		**48**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Cobalt		**3.7**	0.80	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Copper		**5.7**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Lead		**2.6**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Mercury		ND	0.013	mg/kg	1	U6D2210	04/25/16	04/25/16	EPA 7471A
Molybdenum		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Nickel		**29**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Selenium		ND	5.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Silver		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Thallium		ND	5.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Vanadium		**31**	2.5	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Zinc		**21**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Semi-Volatile Organics									
Acenaphthylene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Acenaphthene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Fluorene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Naphthalene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Phenanthrene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Anthracene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Fluoranthene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Pyrene		**0.030**	0.020	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Benzo (a) anthracene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Chrysene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Benzo (b) fluoranthene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Benzo (k) fluoranthene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Benzo (a) pyrene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Dibenzo(a,h)anthracene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C

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(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B6-10.5'

CD18037-06 (Soil) Sampled:04/17/16 14:03

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Benzo(ghi)perylene		ND	0.020	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Surrogate: Nitrobenzene-d5		*65.6 %*	*41-110*			*U6D2102*	*04/21/16*	*04/28/16*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl		*65.6 %*	*40-92*			*U6D2102*	*04/21/16*	*04/28/16*	*EPA 8270C*
Surrogate: d14-Terphenyl	S02	*200 %*	*44-131*			*U6D2102*	*04/21/16*	*04/28/16*	*EPA 8270C*
Diesel	AJ	**710**	200	mg/kg	20	U6D1805	04/19/16	04/20/16	EPA 8015B
Surrogate: o-Terphenyl	S02	*1260 %*	*11.8-130*			*U6D1805*	*04/19/16*	*04/20/16*	*EPA 8015B*
Motor Oil		**770**	200	mg/kg	20	U6D1805	04/19/16	04/20/16	EPA 8015B
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Chloromethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Vinyl chloride		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromomethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Chloroethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Ethanol		ND	0.050	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1-Dichloroethene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Carbon disulfide		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Iodomethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Acrolein		ND	0.050	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Methylene chloride		ND	0.0020	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Acetone		ND	0.020	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
trans-1,2-Dichloroethene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.020	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Chloroprene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1-Dichloroethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Acrylonitrile		ND	0.010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Vinyl acetate		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B6-10.5'

CD18037-06 (Soil) Sampled:04/17/16 14:03

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
cis-1,2-Dichloroethene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
2,2-Dichloropropane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromochloromethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Chloroform		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Carbon tetrachloride		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
2-Butanone (MEK)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1-Dichloropropene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Benzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Trichloroethene (TCE)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Dibromomethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dichloropropane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromodichloromethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Methyl Methacrylate		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
2-Chloroethylvinyl ether		ND	0.020	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
cis-1,3-Dichloropropene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Toluene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
trans-1,3-Dichloropropene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Tetrachloroethene (PCE)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,2-Trichloroethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Ethyl methacrylate		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Dibromochloromethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,3-Dichloropropane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
2-Hexanone		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Ethylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Chlorobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,1,2-Tetrachloroethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
m,p-Xylene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B6-10.5'

CD18037-06 (Soil) Sampled:04/17/16 14:03

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
o-Xylene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Styrene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromoform		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Isopropylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
n-Propylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
2-Chlorotoluene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
4-Chlorotoluene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
tert-Butylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
sec-Butylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
p-Isopropyltoluene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,3-Dichlorobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,4-Dichlorobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
n-Butylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dichlorobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0050	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Hexachlorobutadiene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Naphthalene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Xylenes		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Surrogate: Dibromofluoromethane		*102 %*	*70-130*			*U6D2005*	*04/20/16*	*04/20/16*	*EPA 8260B*
Surrogate: Toluene-d8		*91.8 %*	*70-130*			*U6D2005*	*04/20/16*	*04/20/16*	*EPA 8260B*
Surrogate: 4-Bromofluorobenzene		*118 %*	*70-130*			*U6D2005*	*04/20/16*	*04/20/16*	*EPA 8260B*
Gasoline (C6-C10)		ND	1.0	mg/kg	1	U6D1905	04/19/16	04/19/16	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*96.2 %*	*70-130*			*U6D1905*	*04/19/16*	*04/19/16*	*EPA 8015B*

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California ELAP Certificate #1371

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(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B7-10'

CD18037-07 (Soil) Sampled:04/17/16 16:05

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals - Totals									
Cadmium		ND	0.40	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Chromium		**40**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Lead		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Nickel		**27**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Zinc		**19**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Semi-Volatile Organics									
Diesel		ND	10	mg/kg	1	U6D1805	04/19/16	04/20/16	EPA 8015B
Surrogate: o-Terphenyl		*84.9 %*	*11.8-130*			*U6D1805*	*04/19/16*	*04/20/16*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	U6D1805	04/19/16	04/20/16	EPA 8015B
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Chloromethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Vinyl chloride		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromomethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Chloroethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Ethanol		ND	0.050	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1-Dichloroethene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Carbon disulfide		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Iodomethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Acrolein		ND	0.050	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Methylene chloride		ND	0.0020	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Acetone		ND	0.020	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
trans-1,2-Dichloroethene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.020	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Chloroprene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1-Dichloroethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
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(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B7-10'

CD18037-07 (Soil) Sampled:04/17/16 16:05

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Acrylonitrile		ND	0.010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Vinyl acetate		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
cis-1,2-Dichloroethene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
2,2-Dichloropropane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromochloromethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Chloroform		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Carbon tetrachloride		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
2-Butanone (MEK)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1-Dichloropropene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Benzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Trichloroethene (TCE)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Dibromomethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dichloropropane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromodichloromethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Methyl Methacrylate		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
2-Chloroethylvinyl ether		ND	0.020	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
cis-1,3-Dichloropropene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Toluene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
trans-1,3-Dichloropropene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Tetrachloroethene (PCE)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,2-Trichloroethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Ethyl methacrylate		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Dibromochloromethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,3-Dichloropropane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
2-Hexanone		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Ethylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B

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(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B7-10'

CD18037-07 (Soil) Sampled:04/17/16 16:05

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Chlorobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,1,2-Tetrachloroethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
m,p-Xylene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
o-Xylene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Styrene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromoform		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Isopropylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
n-Propylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
2-Chlorotoluene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
4-Chlorotoluene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
tert-Butylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
sec-Butylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
p-Isopropyltoluene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,3-Dichlorobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,4-Dichlorobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
n-Butylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dichlorobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0050	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Hexachlorobutadiene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Naphthalene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Xylenes		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Surrogate: Dibromofluoromethane		*107 %*	*70-130*			*U6D2005*	*04/20/16*	*04/20/16*	*EPA 8260B*
Surrogate: Toluene-d8		*99.4 %*	*70-130*			*U6D2005*	*04/20/16*	*04/20/16*	*EPA 8260B*
Surrogate: 4-Bromofluorobenzene		*99.4 %*	*70-130*			*U6D2005*	*04/20/16*	*04/20/16*	*EPA 8260B*
Gasoline (C6-C10)		ND	1.0	mg/kg	1	U6D1905	04/19/16	04/19/16	EPA 8015B

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B7-10'

CD18037-07 (Soil) Sampled:04/17/16 16:05

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Surrogate: 4-Bromofluorobenzene (FID)		*94.2 %*	*70-130*			*U6D1905*	*04/19/16*	*04/19/16*	*EPA 8015B*

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B8-10'

CD18037-08 (Soil) Sampled:04/17/16 16:23

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals - Totals									
Cadmium		ND	0.40	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Chromium		**41**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Lead		**3.9**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Nickel		**32**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Zinc		**21**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Semi-Volatile Organics									
Diesel		ND	10	mg/kg	1	U6D1805	04/19/16	04/20/16	EPA 8015B
Surrogate: o-Terphenyl		*92.7 %*	*11.8-130*			*U6D1805*	*04/19/16*	*04/20/16*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	U6D1805	04/19/16	04/20/16	EPA 8015B
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Chloromethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Vinyl chloride		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromomethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Chloroethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Ethanol		ND	0.050	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1-Dichloroethene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Carbon disulfide		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Iodomethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Acrolein		ND	0.050	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Methylene chloride		ND	0.0020	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Acetone		**0.026**	0.020	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
trans-1,2-Dichloroethene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.020	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Chloroprene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1-Dichloroethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Acrylonitrile		ND	0.010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B8-10'

CD18037-08 (Soil) Sampled:04/17/16 16:23

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Ethyl tert-Butyl Ether (ETBE)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Vinyl acetate		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
cis-1,2-Dichloroethene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
2,2-Dichloropropane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromochloromethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Chloroform		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Carbon tetrachloride		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
2-Butanone (MEK)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1-Dichloropropene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Benzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Trichloroethene (TCE)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Dibromomethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dichloropropane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromodichloromethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Methyl Methacrylate		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
2-Chloroethylvinyl ether		ND	0.020	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
cis-1,3-Dichloropropene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Toluene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
trans-1,3-Dichloropropene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Tetrachloroethene (PCE)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,2-Trichloroethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Ethyl methacrylate		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Dibromochloromethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,3-Dichloropropane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
2-Hexanone		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Ethylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Chlorobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B

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Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B8-10'

CD18037-08 (Soil) Sampled:04/17/16 16:23

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
1,1,1,2-Tetrachloroethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
m,p-Xylene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
o-Xylene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Styrene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromoform		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Isopropylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
n-Propylbenzene		**0.0010**	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
2-Chlorotoluene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
4-Chlorotoluene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
tert-Butylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
sec-Butylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
p-Isopropyltoluene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,3-Dichlorobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,4-Dichlorobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
n-Butylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dichlorobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0050	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Hexachlorobutadiene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Naphthalene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Xylenes		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Surrogate: Dibromofluoromethane		*101 %*	*70-130*			*U6D2005*	*04/20/16*	*04/20/16*	*EPA 8260B*
Surrogate: Toluene-d8		*95.5 %*	*70-130*			*U6D2005*	*04/20/16*	*04/20/16*	*EPA 8260B*
Surrogate: 4-Bromofluorobenzene		*101 %*	*70-130*			*U6D2005*	*04/20/16*	*04/20/16*	*EPA 8260B*
Gasoline (C6-C10)		ND	1.0	mg/kg	1	U6D1905	04/19/16	04/19/16	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*106 %*	*70-130*			*U6D1905*	*04/19/16*	*04/19/16*	*EPA 8015B*

Moore Twining Associates, Inc.
Juliane Adams, Director of Analytical Chemistry

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B9-10'

CD18037-09 (Soil) Sampled:04/17/16 16:53

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals - Totals									
Cadmium		ND	0.40	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Chromium		**45**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Lead		**3.4**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Nickel		**28**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Zinc		**21**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Semi-Volatile Organics									
Diesel	AK	**20**	10	mg/kg	1	U6D1805	04/19/16	04/20/16	EPA 8015B
Surrogate: o-Terphenyl		*87.0 %*	*11.8-130*			*U6D1805*	*04/19/16*	*04/20/16*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	U6D1805	04/19/16	04/20/16	EPA 8015B
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Chloromethane		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Vinyl chloride		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Bromomethane		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Chloroethane		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Ethanol		ND	0.25	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
1,1-Dichloroethene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Carbon disulfide		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Iodomethane		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Acrolein		ND	0.25	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Methylene chloride		ND	0.010	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Acetone		ND	0.10	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
trans-1,2-Dichloroethene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.10	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Chloroprene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
1,1-Dichloroethane		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Acrylonitrile		ND	0.050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B

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Project: 1200Park St, Alameda, CA
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Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B9-10'

CD18037-09 (Soil) Sampled:04/17/16 16:53

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Ethyl tert-Butyl Ether (ETBE)		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Vinyl acetate		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
cis-1,2-Dichloroethene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
2,2-Dichloropropane		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Bromochloromethane		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Chloroform		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Carbon tetrachloride		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
2-Butanone (MEK)		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
1,1-Dichloropropene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Benzene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Trichloroethene (TCE)		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Dibromomethane		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
1,2-Dichloropropane		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Bromodichloromethane		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Methyl Methacrylate		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
2-Chloroethylvinyl ether		ND	0.10	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
cis-1,3-Dichloropropene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Toluene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
trans-1,3-Dichloropropene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Tetrachloroethene (PCE)		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
1,1,2-Trichloroethane		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Ethyl methacrylate		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Dibromochloromethane		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
1,3-Dichloropropane		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
2-Hexanone		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Ethylbenzene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Chlorobenzene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B

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CD18037-09 (Soil) Sampled:04/17/16 16:53

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
1,1,1,2-Tetrachloroethane		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
m,p-Xylene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
o-Xylene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Styrene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Bromoform		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Isopropylbenzene		**0.017**	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Bromobenzene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
n-Propylbenzene		**0.089**	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
2-Chlorotoluene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
4-Chlorotoluene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
tert-Butylbenzene		**0.013**	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
sec-Butylbenzene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
p-Isopropyltoluene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
1,3-Dichlorobenzene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
1,4-Dichlorobenzene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
n-Butylbenzene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
1,2-Dichlorobenzene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.025	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Hexachlorobutadiene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Naphthalene		**0.13**	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Xylenes		ND	0.0050	mg/kg	5	U6D2005	04/20/16	04/21/16	EPA 8260B
Surrogate: Dibromofluoromethane		*104 %*	*70-130*			*U6D2005*	*04/20/16*	*04/21/16*	*EPA 8260B*
Surrogate: Toluene-d8		*112 %*	*70-130*			*U6D2005*	*04/20/16*	*04/21/16*	*EPA 8260B*
Surrogate: 4-Bromofluorobenzene		*103 %*	*70-130*			*U6D2005*	*04/20/16*	*04/21/16*	*EPA 8260B*
Gasoline (C6-C10)	AS	**76**	50	mg/kg	50	U6D1905	04/19/16	04/20/16	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)	S02	*224 %*	*70-130*			*U6D1905*	*04/19/16*	*04/20/16*	*EPA 8015B*

Moore Twining Associates, Inc.
Juliane Adams, Director of Analytical Chemistry

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B10-10'

CD18037-10 (Soil) Sampled:04/17/16 17:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals - Totals									
Antimony		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Arsenic		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Barium		**51**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Beryllium		ND	0.40	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Cadmium		ND	0.40	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Chromium		**58**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Cobalt		**1.7**	0.80	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Copper		**7.1**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Lead		**5.1**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Mercury		ND	0.013	mg/kg	1	U6D2210	04/25/16	04/25/16	EPA 7471A
Molybdenum		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Nickel		**26**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Selenium		ND	5.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Silver		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Thallium		ND	5.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Vanadium		**23**	2.5	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Zinc		**23**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Semi-Volatile Organics									
Acenaphthylene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Acenaphthene		**0.060**	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Fluorene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Naphthalene		**1.9**	0.15	mg/kg	5	U6D2102	04/21/16	04/28/16	EPA 8270C
Phenanthrene		**0.15**	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Anthracene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Fluoranthene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Pyrene		**0.084**	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Benzo (a) anthracene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Chrysene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Benzo (b) fluoranthene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Benzo (k) fluoranthene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Benzo (a) pyrene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Dibenzo(a,h)anthracene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C

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Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B10-10'

CD18037-10 (Soil) Sampled:04/17/16 17:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Benzo(ghi)perylene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Surrogate: Nitrobenzene-d5		*61.4 %*	*41-110*			*U6D2102*	*04/21/16*	*04/28/16*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl		*69.6 %*	*40-92*			*U6D2102*	*04/21/16*	*04/28/16*	*EPA 8270C*
Surrogate: d14-Terphenyl	S02	*133 %*	*44-131*			*U6D2102*	*04/21/16*	*04/28/16*	*EPA 8270C*
Diesel		**950**	400	mg/kg	40	U6D1805	04/19/16	04/20/16	EPA 8015B
Surrogate: o-Terphenyl	S02	*188 %*	*11.8-130*			*U6D1805*	*04/19/16*	*04/20/16*	*EPA 8015B*
Motor Oil		**99**	10	mg/kg	1	U6D1805	04/19/16	04/20/16	EPA 8015B
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Chloromethane		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Vinyl chloride		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromomethane		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Chloroethane		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Ethanol		ND	25	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1-Dichloroethene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Carbon disulfide		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Iodomethane		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Acrolein		ND	25	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Methylene chloride		ND	1.0	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Acetone		ND	10	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
trans-1,2-Dichloroethene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
tert-Butyl alcohol (TBA)		ND	10	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Chloroprene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1-Dichloroethane		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Acrylonitrile		ND	5.0	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Vinyl acetate		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B

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Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B10-10'

CD18037-10 (Soil) Sampled:04/17/16 17:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
cis-1,2-Dichloroethene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
2,2-Dichloropropane		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromochloromethane		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Chloroform		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Carbon tetrachloride		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
2-Butanone (MEK)		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1-Dichloropropene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Benzene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Trichloroethene (TCE)		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Dibromomethane		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dichloropropane		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromodichloromethane		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Methyl Methacrylate		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
2-Chloroethylvinyl ether		ND	10	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
cis-1,3-Dichloropropene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Toluene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
trans-1,3-Dichloropropene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Tetrachloroethene (PCE)		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,2-Trichloroethane		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Ethyl methacrylate		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Dibromochloromethane		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
1,3-Dichloropropane		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
2-Hexanone		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Ethylbenzene		**13**	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Chlorobenzene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,1,2-Tetrachloroethane		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
m,p-Xylene		**2.7**	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
o-Xylene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B

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Reported:
05/10/16 09:16

B10-10'

CD18037-10 (Soil) Sampled:04/17/16 17:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Styrene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromoform		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Isopropylbenzene		**36**	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromobenzene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
n-Propylbenzene		**140**	5.0	mg/kg	5000	U6D2005	04/20/16	04/21/16	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
1,3,5-Trimethylbenzene		**53**	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
2-Chlorotoluene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
4-Chlorotoluene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
tert-Butylbenzene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2,4-Trimethylbenzene		**360**	5.0	mg/kg	5000	U6D2005	04/20/16	04/21/16	EPA 8260B
sec-Butylbenzene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
p-Isopropyltoluene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
1,3-Dichlorobenzene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
1,4-Dichlorobenzene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
n-Butylbenzene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dichlorobenzene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	2.5	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Hexachlorobutadiene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Naphthalene		**40**	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Xylenes		**2.7**	0.50	mg/kg	500	U6D2005	04/20/16	04/20/16	EPA 8260B
Surrogate: Dibromofluoromethane		*97.1 %*	*70-130*			*U6D2005*	*04/20/16*	*04/20/16*	*EPA 8260B*
Surrogate: Toluene-d8		*102 %*	*70-130*			*U6D2005*	*04/20/16*	*04/20/16*	*EPA 8260B*
Surrogate: 4-Bromofluorobenzene		*93.8 %*	*70-130*			*U6D2005*	*04/20/16*	*04/20/16*	*EPA 8260B*
Gasoline (C6-C10)	AS	**3200**	2500	mg/kg	2500	U6D1905	04/19/16	04/20/16	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)	S02	*586 %*	*70-130*			*U6D1905*	*04/19/16*	*04/20/16*	*EPA 8015B*

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B11-10'

CD18037-11 (Soil) Sampled:04/17/16 18:03

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals - Totals									
Cadmium		ND	0.40	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Chromium		**37**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Lead		**2.5**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Nickel		**30**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Zinc		**19**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Semi-Volatile Organics									
Diesel		ND	10	mg/kg	1	U6D1805	04/19/16	04/20/16	EPA 8015B
Surrogate: o-Terphenyl		*86.6 %*	*11.8-130*			*U6D1805*	*04/19/16*	*04/20/16*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	U6D1805	04/19/16	04/20/16	EPA 8015B
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Chloromethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Vinyl chloride		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromomethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Chloroethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Ethanol		ND	0.050	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1-Dichloroethene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Carbon disulfide		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Iodomethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Acrolein		ND	0.050	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Methylene chloride		ND	0.0020	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Acetone		ND	0.020	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
trans-1,2-Dichloroethene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
tert-Butyl alcohol (TBA)		ND	0.020	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Chloroprene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1-Dichloroethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B

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Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B11-10'

CD18037-11 (Soil) Sampled:04/17/16 18:03

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Acrylonitrile		ND	0.010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Vinyl acetate		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
cis-1,2-Dichloroethene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
2,2-Dichloropropane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromochloromethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Chloroform		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Carbon tetrachloride		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
2-Butanone (MEK)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1-Dichloropropene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Benzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Trichloroethene (TCE)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Dibromomethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dichloropropane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromodichloromethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Methyl Methacrylate		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
2-Chloroethylvinyl ether		ND	0.020	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
cis-1,3-Dichloropropene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Toluene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
trans-1,3-Dichloropropene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Tetrachloroethene (PCE)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,2-Trichloroethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Ethyl methacrylate		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Dibromochloromethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,3-Dichloropropane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
2-Hexanone		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Ethylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B

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Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B11-10'

CD18037-11 (Soil) Sampled:04/17/16 18:03

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Chlorobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,1,2-Tetrachloroethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
m,p-Xylene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
o-Xylene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Styrene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromoform		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Isopropylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
n-Propylbenzene		**0.0012**	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
2-Chlorotoluene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
4-Chlorotoluene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
tert-Butylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2,4-Trimethylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
sec-Butylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
p-Isopropyltoluene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,3-Dichlorobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,4-Dichlorobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
n-Butylbenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dichlorobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	0.0050	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2,4-Trichlorobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Hexachlorobutadiene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Naphthalene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Xylenes		ND	0.0010	mg/kg	1	U6D2005	04/20/16	04/20/16	EPA 8260B
Surrogate: Dibromofluoromethane		*106 %*	*70-130*			*U6D2005*	*04/20/16*	*04/20/16*	*EPA 8260B*
Surrogate: Toluene-d8		*99.7 %*	*70-130*			*U6D2005*	*04/20/16*	*04/20/16*	*EPA 8260B*
Surrogate: 4-Bromofluorobenzene		*98.4 %*	*70-130*			*U6D2005*	*04/20/16*	*04/20/16*	*EPA 8260B*
Gasoline (C6-C10)		ND	1.0	mg/kg	1	U6D1905	04/19/16	04/19/16	EPA 8015B

Moore Twining Associates, Inc.
Juliane Adams, Director of Analytical Chemistry

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Project Manager: Paul Dotson

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05/10/16 09:16

B11-10'

CD18037-11 (Soil) Sampled:04/17/16 18:03

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Surrogate: 4-Bromofluorobenzene (FID)		*130 %*	*70-130*			*U6D1905*	*04/19/16*	*04/19/16*	*EPA 8015B*

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Project: 1200Park St, Alameda, CA
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Reported:
05/10/16 09:16

B12-10'

CD18037-12 (Soil) Sampled:04/17/16 18:55

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals - Totals									
Antimony		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Arsenic		**2.5**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Barium		**410**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Beryllium		ND	0.40	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Cadmium		ND	0.40	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Chromium		**42**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Cobalt		**4.8**	0.80	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Copper		**20**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Lead		**39**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Mercury		**0.090**	0.013	mg/kg	1	U6D2210	04/25/16	04/25/16	EPA 7471A
Molybdenum		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Nickel		**44**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Selenium		ND	5.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Silver		ND	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Thallium		ND	5.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Vanadium		**26**	2.5	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Zinc		**130**	2.0	mg/kg	1	U6D1705	04/24/16	04/24/16	EPA 6010B
Semi-Volatile Organics									
Acenaphthylene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Acenaphthene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Fluorene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Naphthalene		**4.5**	0.30	mg/kg	10	U6D2102	04/21/16	04/28/16	EPA 8270C
Phenanthrene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Anthracene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Fluoranthene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Pyrene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Benzo (a) anthracene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Chrysene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Benzo (b) fluoranthene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Benzo (k) fluoranthene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Benzo (a) pyrene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Dibenzo(a,h)anthracene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C

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05/10/16 09:16

B12-10'

CD18037-12 (Soil) Sampled:04/17/16 18:55

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Benzo(ghi)perylene		ND	0.030	mg/kg	1	U6D2102	04/21/16	04/28/16	EPA 8270C
Surrogate: Nitrobenzene-d5		*74.1 %*	*41-110*			*U6D2102*	*04/21/16*	*04/28/16*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl		*78.9 %*	*40-92*			*U6D2102*	*04/21/16*	*04/28/16*	*EPA 8270C*
Surrogate: d14-Terphenyl	S02	*151 %*	*44-131*			*U6D2102*	*04/21/16*	*04/28/16*	*EPA 8270C*
Diesel	AK	**1800**	400	mg/kg	40	U6D1805	04/19/16	04/20/16	EPA 8015B
Surrogate: o-Terphenyl	S02	*193 %*	*11.8-130*			*U6D1805*	*04/19/16*	*04/20/16*	*EPA 8015B*
Motor Oil		ND	400	mg/kg	40	U6D1805	04/19/16	04/20/16	EPA 8015B
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Chloromethane		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Vinyl chloride		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromomethane		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Chloroethane		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Ethanol		ND	100	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1-Dichloroethene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Carbon disulfide		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Iodomethane		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Acrolein		ND	100	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Methylene chloride		ND	4.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Acetone		ND	40	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
trans-1,2-Dichloroethene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
tert-Butyl alcohol (TBA)		ND	40	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Di-isopropyl ether (DIPE)		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Chloroprene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1-Dichloroethane		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Acrylonitrile		ND	20	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Vinyl acetate		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B12-10'

CD18037-12 (Soil) Sampled:04/17/16 18:55

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
cis-1,2-Dichloroethene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
2,2-Dichloropropane		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromochloromethane		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Chloroform		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Carbon tetrachloride		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
2-Butanone (MEK)		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1-Dichloropropene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Benzene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Trichloroethene (TCE)		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Dibromomethane		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dichloropropane		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromodichloromethane		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Methyl Methacrylate		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
2-Chloroethylvinyl ether		ND	40	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
cis-1,3-Dichloropropene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Toluene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
trans-1,3-Dichloropropene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Tetrachloroethene (PCE)		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,2-Trichloroethane		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Ethyl methacrylate		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Dibromochloromethane		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
1,3-Dichloropropane		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dibromoethane (EDB)		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
2-Hexanone		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Ethylbenzene		**150**	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Chlorobenzene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,1,2-Tetrachloroethane		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
m,p-Xylene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
o-Xylene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B

Moore Twining Associates, Inc.
Juliane Adams, Director of Analytical Chemistry

MOORE TWINING ASSOCIATES, INC.

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MTA Environmental Division
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Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B12-10'

CD18037-12 (Soil) Sampled:04/17/16 18:55

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Styrene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromoform		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Isopropylbenzene		**65**	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Bromobenzene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
n-Propylbenzene		**160**	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
1,3,5-Trimethylbenzene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
2-Chlorotoluene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
4-Chlorotoluene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
tert-Butylbenzene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2,4-Trimethylbenzene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
sec-Butylbenzene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
p-Isopropyltoluene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
1,3-Dichlorobenzene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
1,4-Dichlorobenzene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
n-Butylbenzene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dichlorobenzene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	10	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2,4-Trichlorobenzene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Hexachlorobutadiene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Naphthalene		**65**	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
1,2,3-Trichlorobenzene		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Xylenes		ND	2.0	mg/kg	2000	U6D2005	04/20/16	04/20/16	EPA 8260B
Surrogate: Dibromofluoromethane		*86.9 %*	*70-130*			*U6D2005*	*04/20/16*	*04/20/16*	*EPA 8260B*
Surrogate: Toluene-d8		*107 %*	*70-130*			*U6D2005*	*04/20/16*	*04/20/16*	*EPA 8260B*
Surrogate: 4-Bromofluorobenzene		*89.6 %*	*70-130*			*U6D2005*	*04/20/16*	*04/20/16*	*EPA 8260B*
Gasoline (C6-C10)	AS	**17000**	10000	mg/kg	10000	U6D1905	04/19/16	04/20/16	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)	S02	*393 %*	*70-130*			*U6D1905*	*04/19/16*	*04/20/16*	*EPA 8015B*

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B-1 GW

CD18037-13 (Ground Water) Sampled:04/17/16 11:05

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals - Dissolved									
Antimony		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Arsenic		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Barium		**23**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Beryllium		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Cadmium		ND	0.20	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Chromium		**4.3**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Cobalt		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Copper		ND	2.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Lead		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Mercury		ND	0.20	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Molybdenum		**2.0**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Nickel		**11**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Selenium		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Silver		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Thallium		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Vanadium		**1.9**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Zinc		ND	5.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Semi-Volatile Organics									
Naphthalene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Acenaphthylene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Acenaphthene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Fluorene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Phenanthrene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Anthracene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Fluoranthene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Pyrene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Benzo (a) anthracene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Chrysene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Benzo (b) fluoranthene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Benzo (k) fluoranthene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Benzo (a) pyrene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Dibenzo(a,h)anthracene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B-1 GW

CD18037-13 (Ground Water) Sampled:04/17/16 11:05

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Benzo(ghi)perylene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Surrogate: Nitrobenzene-d5		*57.4 %*	*41-110*			*U6D1902*	*04/19/16*	*04/27/16*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl		*55.8 %*	*40-92*			*U6D1902*	*04/19/16*	*04/27/16*	*EPA 8270C*
Surrogate: d14-Terphenyl		*82.2 %*	*44-131*			*U6D1902*	*04/19/16*	*04/27/16*	*EPA 8270C*
Diesel		ND	50	µg/L	1	U6D2103	04/21/16	04/21/16	EPA 8015B
Surrogate: o-Terphenyl		*63.9 %*	*34-150*			*U6D2103*	*04/21/16*	*04/21/16*	*EPA 8015B*
Motor Oil		ND	100	µg/L	1	U6D2103	04/21/16	04/21/16	EPA 8015B
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Chloromethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Vinyl chloride		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Bromomethane		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Chloroethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Ethanol		ND	50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,1-Dichloroethene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Carbon disulfide		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Iodomethane		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Acrolein		ND	10	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Methylene chloride		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Acetone		ND	10	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
trans-1,2-Dichloroethene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
tert-Butyl alcohol (TBA)		ND	20	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Acetonitrile		ND	10	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,1-Dichloroethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Acrylonitrile		ND	5.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Vinyl acetate		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
cis-1,2-Dichloroethene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B

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Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B-1 GW

CD18037-13 (Ground Water) Sampled:04/17/16 11:05

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
2,2-Dichloropropane		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Bromochloromethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Chloroform		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Carbon tetrachloride		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
2-Butanone (MEK)		ND	10	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,1-Dichloropropene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Isobutyl alcohol		ND	20	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Propionitrile		ND	10	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Benzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Methacrylonitrile		ND	5.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Trichloroethene (TCE)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Dibromomethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2-Dichloropropane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Bromodichloromethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Methyl Methacrylate		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
2-Chloroethylvinyl ether		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
cis-1,3-Dichloropropene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Toluene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
trans-1,3-Dichloropropene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Tetrachloroethene (PCE)		**3.9**	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,1,2-Trichloroethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Ethyl methacrylate		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Dibromochloromethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,3-Dichloropropane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
2-Hexanone		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Ethylbenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Chlorobenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,1,1,2-Tetrachloroethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B-1 GW

CD18037-13 (Ground Water) Sampled:04/17/16 11:05

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
m,p-Xylene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
o-Xylene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Styrene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Bromoform		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Isopropylbenzene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	5.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Bromobenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
n-Propylbenzene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
2-Chlorotoluene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
4-Chlorotoluene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
tert-Butylbenzene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2,4-Trimethylbenzene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
sec-Butylbenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
p-Isopropyltoluene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,3-Dichlorobenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,4-Dichlorobenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
n-Butylbenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Hexachloroethane		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2-Dichlorobenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	5.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2,4-Trichlorobenzene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Hexachlorobutadiene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Naphthalene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Xylenes		ND	2.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Surrogate: 4-Bromofluorobenzene		*99.9 %*	*70-130*			*U6D2105*	*04/21/16*	*04/21/16*	*EPA 8260B*
Surrogate: Dibromofluoromethane		*111 %*	*70-130*			*U6D2105*	*04/21/16*	*04/21/16*	*EPA 8260B*
Surrogate: Toluene-d8		*102 %*	*70-130*			*U6D2105*	*04/21/16*	*04/21/16*	*EPA 8260B*
Gasoline (C6-C10)		ND	50	µg/L	1	U6D2106	04/21/16	04/21/16	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*108 %*	*70-130*			*U6D2106*	*04/21/16*	*04/21/16*	*EPA 8015B*

Moore Twining Associates, Inc.
Juliane Adams, Director of Analytical Chemistry

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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2527 Fresno Street
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(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B-5 GW

CD18037-14 (Ground Water) Sampled:04/17/16 15:20

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals - Dissolved									
Antimony		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Arsenic		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Barium		**22**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Beryllium		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Cadmium		ND	0.20	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Chromium		**3.7**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Cobalt		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Copper		**2.6**	2.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Lead		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Mercury		ND	0.20	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Molybdenum		**2.1**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Nickel		**4.0**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Selenium		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Silver		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Thallium		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Vanadium		**1.9**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Zinc		ND	5.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Semi-Volatile Organics									
Naphthalene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Acenaphthylene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Acenaphthene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Fluorene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Phenanthrene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Anthracene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Fluoranthene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Pyrene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Benzo (a) anthracene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Chrysene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Benzo (b) fluoranthene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Benzo (k) fluoranthene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Benzo (a) pyrene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Dibenzo(a,h)anthracene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C

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Juliane Adams, Director of Analytical Chemistry

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(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B-5 GW

CD18037-14 (Ground Water) Sampled:04/17/16 15:20

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Benzo(ghi)perylene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Surrogate: Nitrobenzene-d5		*52.6 %*	*41-110*			*U6D1902*	*04/19/16*	*04/27/16*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl		*51.2 %*	*40-92*			*U6D1902*	*04/19/16*	*04/27/16*	*EPA 8270C*
Surrogate: d14-Terphenyl		*59.4 %*	*44-131*			*U6D1902*	*04/19/16*	*04/27/16*	*EPA 8270C*
Diesel		ND	54	µg/L	1	U6D2103	04/21/16	04/21/16	EPA 8015B
Surrogate: o-Terphenyl		*66.8 %*	*34-150*			*U6D2103*	*04/21/16*	*04/21/16*	*EPA 8015B*
Motor Oil		ND	110	µg/L	1	U6D2103	04/21/16	04/21/16	EPA 8015B
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Chloromethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Vinyl chloride		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Bromomethane		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Chloroethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Ethanol		ND	50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,1-Dichloroethene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Carbon disulfide		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Iodomethane		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Acrolein		ND	10	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Methylene chloride		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Acetone		ND	10	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
trans-1,2-Dichloroethene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
tert-Butyl alcohol (TBA)		ND	20	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Acetonitrile		ND	10	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,1-Dichloroethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Acrylonitrile		ND	5.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Vinyl acetate		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
cis-1,2-Dichloroethene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B-5 GW

CD18037-14 (Ground Water) Sampled:04/17/16 15:20

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
2,2-Dichloropropane		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Bromochloromethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Chloroform		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Carbon tetrachloride		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
2-Butanone (MEK)		ND	10	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,1-Dichloropropene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Isobutyl alcohol		ND	20	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Propionitrile		ND	10	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Benzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Methacrylonitrile		ND	5.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Trichloroethene (TCE)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Dibromomethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2-Dichloropropane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Bromodichloromethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Methyl Methacrylate		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
2-Chloroethylvinyl ether		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
cis-1,3-Dichloropropene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Toluene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
trans-1,3-Dichloropropene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Tetrachloroethene (PCE)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,1,2-Trichloroethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Ethyl methacrylate		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Dibromochloromethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,3-Dichloropropane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
2-Hexanone		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Ethylbenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Chlorobenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B

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Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B-5 GW

CD18037-14 (Ground Water) Sampled:04/17/16 15:20

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
1,1,1,2-Tetrachloroethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
m,p-Xylene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
o-Xylene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Styrene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Bromoform		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Isopropylbenzene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	5.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Bromobenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
n-Propylbenzene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
2-Chlorotoluene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
4-Chlorotoluene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
tert-Butylbenzene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2,4-Trimethylbenzene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
sec-Butylbenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
p-Isopropyltoluene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,3-Dichlorobenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,4-Dichlorobenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
n-Butylbenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Hexachloroethane		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2-Dichlorobenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	5.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2,4-Trichlorobenzene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Hexachlorobutadiene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Naphthalene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Xylenes		ND	2.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Surrogate: 4-Bromofluorobenzene		*101 %*	*70-130*			*U6D2105*	*04/21/16*	*04/21/16*	*EPA 8260B*
Surrogate: Dibromofluoromethane		*110 %*	*70-130*			*U6D2105*	*04/21/16*	*04/21/16*	*EPA 8260B*
Surrogate: Toluene-d8		*102 %*	*70-130*			*U6D2105*	*04/21/16*	*04/21/16*	*EPA 8260B*
Gasoline (C6-C10)		ND	50	µg/L	1	U6D2106	04/21/16	04/21/16	EPA 8015B

Moore Twining Associates, Inc.
Juliane Adams, Director of Analytical Chemistry

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B-5 GW

CD18037-14 (Ground Water) Sampled:04/17/16 15:20

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Surrogate: 4-Bromofluorobenzene (FID)		*108 %*	*70-130*			*U6D2106*	*04/21/16*	*04/21/16*	*EPA 8015B*

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2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B-6 GW

CD18037-15 (Ground Water) Sampled:04/17/16 14:03

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals - Dissolved									
Antimony		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Arsenic		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Barium		**20**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Beryllium		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Cadmium		ND	0.20	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Chromium		**1.2**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Cobalt		**1.1**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Copper		ND	2.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Lead		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Mercury		ND	0.20	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Molybdenum		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Nickel		**6.8**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Selenium		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Silver		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Thallium		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Vanadium		**1.7**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Zinc		ND	5.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Semi-Volatile Organics									
Naphthalene		**0.086**	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Acenaphthylene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Acenaphthene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Fluorene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Phenanthrene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Anthracene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Fluoranthene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Pyrene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Benzo (a) anthracene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Chrysene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Benzo (b) fluoranthene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Benzo (k) fluoranthene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Benzo (a) pyrene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Dibenzo(a,h)anthracene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B-6 GW

CD18037-15 (Ground Water) Sampled:04/17/16 14:03

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Benzo(ghi)perylene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Surrogate: Nitrobenzene-d5		*77.4 %*	*41-110*			*U6D1902*	*04/19/16*	*04/27/16*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl		*70.7 %*	*40-92*			*U6D1902*	*04/19/16*	*04/27/16*	*EPA 8270C*
Surrogate: d14-Terphenyl		*81.0 %*	*44-131*			*U6D1902*	*04/19/16*	*04/27/16*	*EPA 8270C*
Diesel	AJ	**84000**	5000	µg/L	100	U6D2103	04/21/16	04/22/16	EPA 8015B
Surrogate: o-Terphenyl	S02	*6270 %*	*34-150*			*U6D2103*	*04/21/16*	*04/22/16*	*EPA 8015B*
Motor Oil		**89000**	10000	µg/L	100	U6D2103	04/21/16	04/22/16	EPA 8015B
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Chloromethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Vinyl chloride		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Bromomethane		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Chloroethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Ethanol		ND	50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,1-Dichloroethene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Carbon disulfide		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Iodomethane		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Acrolein		ND	10	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Methylene chloride		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Acetone		ND	10	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
trans-1,2-Dichloroethene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
tert-Butyl alcohol (TBA)		ND	20	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Acetonitrile		ND	10	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,1-Dichloroethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Acrylonitrile		ND	5.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Vinyl acetate		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
cis-1,2-Dichloroethene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B-6 GW

CD18037-15 (Ground Water) Sampled:04/17/16 14:03

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
2,2-Dichloropropane		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Bromochloromethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Chloroform		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Carbon tetrachloride		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
2-Butanone (MEK)		ND	10	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,1-Dichloropropene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Isobutyl alcohol		ND	20	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Propionitrile		ND	10	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Benzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Methacrylonitrile		ND	5.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Trichloroethene (TCE)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Dibromomethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2-Dichloropropane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Bromodichloromethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Methyl Methacrylate		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
2-Chloroethylvinyl ether		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
cis-1,3-Dichloropropene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Toluene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
trans-1,3-Dichloropropene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Tetrachloroethene (PCE)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,1,2-Trichloroethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Ethyl methacrylate		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Dibromochloromethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,3-Dichloropropane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
2-Hexanone		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Ethylbenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Chlorobenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B

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Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B-6 GW

CD18037-15 (Ground Water) Sampled:04/17/16 14:03

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
1,1,1,2-Tetrachloroethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
m,p-Xylene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
o-Xylene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Styrene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Bromoform		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Isopropylbenzene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	5.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Bromobenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
n-Propylbenzene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
2-Chlorotoluene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
4-Chlorotoluene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
tert-Butylbenzene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2,4-Trimethylbenzene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
sec-Butylbenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
p-Isopropyltoluene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,3-Dichlorobenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,4-Dichlorobenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
n-Butylbenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Hexachloroethane		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2-Dichlorobenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	5.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2,4-Trichlorobenzene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Hexachlorobutadiene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Naphthalene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Xylenes		ND	2.0	µg/L	1	U6D2105	04/21/16	04/21/16	EPA 8260B
Surrogate: 4-Bromofluorobenzene		*100 %*	*70-130*			*U6D2105*	*04/21/16*	*04/21/16*	*EPA 8260B*
Surrogate: Dibromofluoromethane		*111 %*	*70-130*			*U6D2105*	*04/21/16*	*04/21/16*	*EPA 8260B*
Surrogate: Toluene-d8		*102 %*	*70-130*			*U6D2105*	*04/21/16*	*04/21/16*	*EPA 8260B*
Gasoline (C6-C10)		ND	50	µg/L	1	U6D2106	04/21/16	04/21/16	EPA 8015B

Moore Twining Associates, Inc.
Juliane Adams, Director of Analytical Chemistry

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B-6 GW

CD18037-15 (Ground Water) Sampled:04/17/16 14:03

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Surrogate: 4-Bromofluorobenzene (FID)		*109 %*	*70-130*			*U6D2106*	*04/21/16*	*04/21/16*	*EPA 8015B*

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Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B-10 GW

CD18037-16 (Ground Water) Sampled:04/17/16 18:40

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals - Dissolved									
Antimony		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Arsenic		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Barium		**27**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Beryllium		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Cadmium		ND	0.20	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Chromium		**1.1**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Cobalt		**1.4**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Copper		ND	2.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Lead		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Mercury		ND	0.20	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Molybdenum		**6.6**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Nickel		**5.2**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Selenium		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Silver		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Thallium		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Vanadium		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Zinc		ND	5.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Semi-Volatile Organics									
Naphthalene		**480**	1.0	µg/L	20	U6D1902	04/19/16	04/28/16	EPA 8270C
Acenaphthylene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Acenaphthene		**3.0**	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Fluorene		**2.6**	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Phenanthrene		**4.6**	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Anthracene		**0.40**	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Fluoranthene		**0.41**	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Pyrene		**1.6**	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Benzo (a) anthracene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Chrysene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Benzo (b) fluoranthene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Benzo (k) fluoranthene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Benzo (a) pyrene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Dibenzo(a,h)anthracene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C

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2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B-10 GW

CD18037-16 (Ground Water) Sampled:04/17/16 18:40

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Benzo(ghi)perylene		**0.096**	0.050	µg/L	1	U6D1902	04/19/16	04/27/16	EPA 8270C
Surrogate: Nitrobenzene-d5		*75.6 %*	*41-110*			*U6D1902*	*04/19/16*	*04/27/16*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl		*80.4 %*	*40-92*			*U6D1902*	*04/19/16*	*04/27/16*	*EPA 8270C*
Surrogate: d14-Terphenyl		*106 %*	*44-131*			*U6D1902*	*04/19/16*	*04/27/16*	*EPA 8270C*
Diesel		**24000**	1100	µg/L	20	U6D2103	04/21/16	04/22/16	EPA 8015B
Surrogate: o-Terphenyl		*109 %*	*34-150*			*U6D2103*	*04/21/16*	*04/22/16*	*EPA 8015B*
Motor Oil	A3	**1900**	110	µg/L	1	U6D2103	04/21/16	04/22/16	EPA 8015B
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Chloromethane		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Vinyl chloride		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Bromomethane		ND	5.0	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Chloroethane		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Ethanol		ND	250	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	5.0	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
1,1-Dichloroethene		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Carbon disulfide		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Iodomethane		ND	5.0	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Acrolein		ND	50	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Methylene chloride		ND	5.0	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Acetone		ND	50	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
trans-1,2-Dichloroethene		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
tert-Butyl alcohol (TBA)		ND	100	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	5.0	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Acetonitrile		ND	50	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Di-isopropyl ether (DIPE)		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
1,1-Dichloroethane		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Acrylonitrile		ND	25	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	5.0	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Vinyl acetate		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
cis-1,2-Dichloroethene		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B-10 GW

CD18037-16 (Ground Water) Sampled:04/17/16 18:40

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
2,2-Dichloropropane		ND	5.0	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Bromochloromethane		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Chloroform		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Carbon tetrachloride		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
2-Butanone (MEK)		ND	50	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
1,1-Dichloropropene		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Isobutyl alcohol		ND	100	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Propionitrile		ND	50	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	5.0	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Benzene		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Methacrylonitrile		ND	25	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Trichloroethene (TCE)		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Dibromomethane		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
1,2-Dichloropropane		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Bromodichloromethane		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Methyl Methacrylate		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
2-Chloroethylvinyl ether		ND	5.0	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
cis-1,3-Dichloropropene		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Toluene		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	5.0	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
trans-1,3-Dichloropropene		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Tetrachloroethene (PCE)		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
1,1,2-Trichloroethane		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Ethyl methacrylate		ND	5.0	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Dibromochloromethane		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
1,3-Dichloropropane		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
1,2-Dibromoethane (EDB)		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
2-Hexanone		ND	5.0	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Ethylbenzene		**240**	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Chlorobenzene		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
1,1,1,2-Tetrachloroethane		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B

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Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B-10 GW

CD18037-16 (Ground Water) Sampled:04/17/16 18:40

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
m,p-Xylene		ND	5.0	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
o-Xylene		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Styrene		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Bromoform		ND	5.0	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Isopropylbenzene		**510**	5.0	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	25	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Bromobenzene		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
n-Propylbenzene		**1400**	100	µg/L	100	U6D2105	04/21/16	04/22/16	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	5.0	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
1,3,5-Trimethylbenzene		**570**	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
2-Chlorotoluene		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
4-Chlorotoluene		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
tert-Butylbenzene		**66**	5.0	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
1,2,4-Trimethylbenzene		**3100**	100	µg/L	100	U6D2105	04/21/16	04/22/16	EPA 8260B
sec-Butylbenzene		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
p-Isopropyltoluene		**310**	5.0	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
1,3-Dichlorobenzene		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
1,4-Dichlorobenzene		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
n-Butylbenzene		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Hexachloroethane		ND	5.0	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
1,2-Dichlorobenzene		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	25	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
1,2,4-Trichlorobenzene		ND	5.0	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Hexachlorobutadiene		ND	5.0	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Naphthalene		**730**	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
1,2,3-Trichlorobenzene		ND	2.5	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Xylenes		ND	10	µg/L	5	U6D2105	04/21/16	04/22/16	EPA 8260B
Surrogate: 4-Bromofluorobenzene		*100 %*	*70-130*			*U6D2105*	*04/21/16*	*04/22/16*	*EPA 8260B*
Surrogate: Dibromofluoromethane		*108 %*	*70-130*			*U6D2105*	*04/21/16*	*04/22/16*	*EPA 8260B*
Surrogate: Toluene-d8		*102 %*	*70-130*			*U6D2105*	*04/21/16*	*04/22/16*	*EPA 8260B*
Gasoline (C6-C10)		**21000**	2500	µg/L	50	U6D2106	04/21/16	04/21/16	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)	S02	*201 %*	*70-130*			*U6D2106*	*04/21/16*	*04/21/16*	*EPA 8015B*

Moore Twining Associates, Inc.
Juliane Adams, Director of Analytical Chemistry

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Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B-12 GW

CD18037-17 (Ground Water) Sampled:04/17/16 20:00

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals - Dissolved									
Antimony		**1.3**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Arsenic		**2.3**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Barium		**1300**	10	µg/L	10	U6D2203	04/25/16	05/04/16	EPA 200.8
Beryllium		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Cadmium		ND	0.20	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Chromium		**1.5**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Cobalt		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Copper		ND	2.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Lead		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Mercury		ND	0.20	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Molybdenum		**17**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Nickel		**4.0**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Selenium		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Silver		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Thallium		ND	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Vanadium		**2.5**	1.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Zinc		ND	5.0	µg/L	1	U6D2203	04/25/16	04/26/16	EPA 200.8
Semi-Volatile Organics									
Naphthalene		**67**	0.25	µg/L	5	U6D1902	04/19/16	04/28/16	EPA 8270C
Acenaphthylene		**0.46**	0.050	µg/L	1	U6D1902	04/19/16	04/28/16	EPA 8270C
Acenaphthene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/28/16	EPA 8270C
Fluorene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/28/16	EPA 8270C
Phenanthrene		**1.5**	0.050	µg/L	1	U6D1902	04/19/16	04/28/16	EPA 8270C
Anthracene		**0.29**	0.050	µg/L	1	U6D1902	04/19/16	04/28/16	EPA 8270C
Fluoranthene		**0.33**	0.050	µg/L	1	U6D1902	04/19/16	04/28/16	EPA 8270C
Pyrene		**1.5**	0.050	µg/L	1	U6D1902	04/19/16	04/28/16	EPA 8270C
Benzo (a) anthracene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/28/16	EPA 8270C
Chrysene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/28/16	EPA 8270C
Benzo (b) fluoranthene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/28/16	EPA 8270C
Benzo (k) fluoranthene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/28/16	EPA 8270C
Benzo (a) pyrene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/28/16	EPA 8270C
Indeno(1,2,3-cd)pyrene		**0.10**	0.050	µg/L	1	U6D1902	04/19/16	04/28/16	EPA 8270C
Dibenzo(a,h)anthracene		ND	0.050	µg/L	1	U6D1902	04/19/16	04/28/16	EPA 8270C

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B-12 GW

CD18037-17 (Ground Water) Sampled:04/17/16 20:00

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Benzo(ghi)perylene		**0.29**	0.050	µg/L	1	U6D1902	04/19/16	04/28/16	EPA 8270C
Surrogate: Nitrobenzene-d5		*44.2 %*	*41-110*			*U6D1902*	*04/19/16*	*04/28/16*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl	S02	*30.6 %*	*40-92*			*U6D1902*	*04/19/16*	*04/28/16*	*EPA 8270C*
Surrogate: d14-Terphenyl		*62.1 %*	*44-131*			*U6D1902*	*04/19/16*	*04/28/16*	*EPA 8270C*
Diesel		**11000**	5400	µg/L	100	U6D2103	04/21/16	04/22/16	EPA 8015B
Surrogate: o-Terphenyl	S02	*313 %*	*34-150*			*U6D2103*	*04/21/16*	*04/22/16*	*EPA 8015B*
Motor Oil		**16000**	11000	µg/L	100	U6D2103	04/21/16	04/22/16	EPA 8015B
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Chloromethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Vinyl chloride		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Bromomethane		ND	1.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Chloroethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Ethanol		ND	50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	1.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
1,1-Dichloroethene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Carbon disulfide		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Iodomethane		ND	1.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Acrolein		ND	10	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Methylene chloride		ND	1.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Acetone		ND	10	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
trans-1,2-Dichloroethene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
tert-Butyl alcohol (TBA)		ND	20	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	1.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Acetonitrile		ND	10	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
1,1-Dichloroethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Acrylonitrile		ND	5.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	1.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Vinyl acetate		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
cis-1,2-Dichloroethene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B-12 GW

CD18037-17 (Ground Water) Sampled:04/17/16 20:00

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
2,2-Dichloropropane		ND	1.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Bromochloromethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Chloroform		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Carbon tetrachloride		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
2-Butanone (MEK)		ND	10	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
1,1-Dichloropropene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Isobutyl alcohol		ND	20	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Propionitrile		ND	10	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	1.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Benzene		**5.6**	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Methacrylonitrile		ND	5.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Trichloroethene (TCE)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Dibromomethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
1,2-Dichloropropane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Bromodichloromethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Methyl Methacrylate		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
2-Chloroethylvinyl ether		ND	1.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
cis-1,3-Dichloropropene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Toluene		**2.0**	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	1.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
trans-1,3-Dichloropropene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Tetrachloroethene (PCE)		**0.81**	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
1,1,2-Trichloroethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Ethyl methacrylate		ND	1.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Dibromochloromethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
1,3-Dichloropropane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
2-Hexanone		ND	1.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Ethylbenzene		**83**	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Chlorobenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
1,1,1,2-Tetrachloroethane		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

B-12 GW

CD18037-17 (Ground Water) Sampled:04/17/16 20:00

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
m,p-Xylene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
o-Xylene		**1.3**	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Styrene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Bromoform		ND	1.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Isopropylbenzene		**39**	1.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	5.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Bromobenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
n-Propylbenzene		**76**	1.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	1.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
1,3,5-Trimethylbenzene		**4.2**	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
2-Chlorotoluene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
4-Chlorotoluene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
tert-Butylbenzene		**4.5**	1.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
1,2,4-Trimethylbenzene		**16**	1.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
sec-Butylbenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
p-Isopropyltoluene		**6.6**	1.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
1,3-Dichlorobenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
1,4-Dichlorobenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
n-Butylbenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Hexachloroethane		ND	1.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
1,2-Dichlorobenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	5.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
1,2,4-Trichlorobenzene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Hexachlorobutadiene		ND	1.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Naphthalene		**81**	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.50	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Xylenes		ND	2.0	µg/L	1	U6D2105	04/21/16	04/22/16	EPA 8260B
Surrogate: 4-Bromofluorobenzene		*94.0 %*	*70-130*			*U6D2105*	*04/21/16*	*04/22/16*	*EPA 8260B*
Surrogate: Dibromofluoromethane		*104 %*	*70-130*			*U6D2105*	*04/21/16*	*04/22/16*	*EPA 8260B*
Surrogate: Toluene-d8		*100 %*	*70-130*			*U6D2105*	*04/21/16*	*04/22/16*	*EPA 8260B*
Gasoline (C6-C10)		**3600**	250	µg/L	5	U6D2106	04/21/16	04/21/16	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)	S02	*132 %*	*70-130*			*U6D2106*	*04/21/16*	*04/21/16*	*EPA 8015B*

Moore Twining Associates, Inc.
Juliane Adams, Director of Analytical Chemistry

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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MTA Environmental Division	Project: 1200Park St, Alameda, CA	
2527 Fresno Street	Project Number: C66423.02	**Reported:**
Fresno CA, 93721	Project Manager: Paul Dotson	05/10/16 09:16

Notes and Definitions

S02	Surrogate recovery was affected by the matrix.
RPD	The RPD result exceeded the QC control limits. However, both percent recoveries were acceptable.
MS3	Recovery for this analyte was biased low; associated blank spike recoveries are within range.
MS1	Recovery for this analyte was affected by matrix.
AS	Heavier hydrocarbon than gasoline
AK	Lighter hydrocarbon than diesel
AJ	Heavier hydrocarbon than diesel
A3	Lighter hydrocarbon than motor oil
*	Blank contamination was due to single peak, which was not present in samples or spikes.
ug/L	micrograms per liter (parts per billion concentration units)
mg/kg	milligrams per kilogram (parts per million concentration units)
mg/L	milligrams per Liter (parts per million concentration units)
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
	Analysis of pH, filtration, and residual chlorine is to take place immediately after sampling in the field. If the test was performed in the laboratory, the hold time was exceeded.

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MTA Environmental Division
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Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U6D1705 - EPA 6010B										
Blank (U6D1705-BLK1)				Prepared & Analyzed: 04/24/16						
Selenium	ND	5.0	mg/kg							
Arsenic	ND	2.0	mg/kg							
Vanadium	ND	2.5	mg/kg							
Beryllium	ND	0.40	mg/kg							
Cadmium	ND	0.40	mg/kg							
Thallium	ND	5.0	mg/kg							
Antimony	ND	2.0	mg/kg							
Barium	ND	2.0	mg/kg							
Chromium	ND	2.0	mg/kg							
Silver	ND	2.0	mg/kg							
Cobalt	ND	0.80	mg/kg							
Lead	ND	2.0	mg/kg							
Copper	ND	2.0	mg/kg							
Nickel	ND	2.0	mg/kg							
Molybdenum	ND	2.0	mg/kg							
Zinc	ND	2.0	mg/kg							
LCS (U6D1705-BS1)				Prepared & Analyzed: 04/24/16						
Thallium	85.8	5.0	mg/kg	80.0		107	75-125		20	
Barium	40.7	2.0	mg/kg	40.0		102	75-125		20	
Vanadium	40.6	2.5	mg/kg	40.0		101	75-125		20	
Molybdenum	20.8	2.0	mg/kg	20.0		104	75-125		20	
Beryllium	4.11	0.40	mg/kg	4.00		103	75-125		20	
Selenium	71.8	5.0	mg/kg	80.0		89.8	75-125		20	
Cadmium	4.03	0.40	mg/kg	4.00		101	75-125		20	
Cobalt	8.40	0.80	mg/kg	8.00		105	75-125		20	
Nickel	20.7	2.0	mg/kg	20.0		103	75-125		20	
Silver	21.3	2.0	mg/kg	20.0		107	75-125		20	
Copper	20.0	2.0	mg/kg	20.0		100	75-125		20	
Chromium	20.2	2.0	mg/kg	20.0		101	75-125		20	
Lead	19.3	2.0	mg/kg	20.0		96.7	70-130		20	
Antimony	18.2	2.0	mg/kg	20.0		90.9	75-125		20	
Zinc	19.4	2.0	mg/kg	20.0		96.9	75-125		20	
Arsenic	43.2	2.0	mg/kg	40.0		108	75-125		20	
LCS Dup (U6D1705-BSD1)				Prepared & Analyzed: 04/24/16						

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05/10/16 09:16

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U6D1705 - EPA 6010B										
LCS Dup (U6D1705-BSD1)				Prepared & Analyzed: 04/24/16						
Chromium	20.0	2.0	mg/kg	20.0		100	75-125	0.655	20	
Beryllium	4.07	0.40	mg/kg	4.00		102	75-125	0.993	20	
Selenium	72.1	5.0	mg/kg	80.0		90.1	75-125	0.326	20	
Nickel	20.8	2.0	mg/kg	20.0		104	75-125	0.251	20	
Antimony	18.3	2.0	mg/kg	20.0		91.6	75-125	0.814	20	
Vanadium	40.2	2.5	mg/kg	40.0		100	75-125	0.934	20	
Cobalt	8.33	0.80	mg/kg	8.00		104	75-125	0.740	20	
Silver	21.1	2.0	mg/kg	20.0		106	75-125	0.990	20	
Copper	19.7	2.0	mg/kg	20.0		98.5	75-125	1.47	20	
Barium	40.2	2.0	mg/kg	40.0		101	75-125	1.08	20	
Molybdenum	20.7	2.0	mg/kg	20.0		104	75-125	0.515	20	
Cadmium	4.02	0.40	mg/kg	4.00		100	75-125	0.309	20	
Lead	19.2	2.0	mg/kg	20.0		95.8	70-130	0.984	20	
Thallium	85.1	5.0	mg/kg	80.0		106	75-125	0.768	20	
Zinc	19.2	2.0	mg/kg	20.0		96.1	75-125	0.848	20	
Arsenic	43.0	2.0	mg/kg	40.0		108	75-125	0.450	20	
Matrix Spike (U6D1705-MS1)		**Source: CD13005-01**		Prepared & Analyzed: 04/24/16						
Selenium	73.2	5.0	mg/kg	80.5	0.391	90.5	75-125		20	
Cadmium	3.85	0.40	mg/kg	4.02	ND	95.6	75-125		20	
Zinc	58.8	2.0	mg/kg	20.1	37.1	108	75-125		20	
Beryllium	4.15	0.40	mg/kg	4.02	0.248	97.0	75-125		20	
Silver	21.1	2.0	mg/kg	20.1	ND	105	75-125		20	
Thallium	85.5	5.0	mg/kg	80.5	ND	106	75-125		20	
Antimony	6.65	2.0	mg/kg	20.1	0.437	30.9	75-125		20	MS3
Vanadium	91.2	2.5	mg/kg	40.2	50.7	101	75-125		20	
Arsenic	41.8	2.0	mg/kg	40.2	1.13	101	75-125		20	
Cobalt	20.3	0.80	mg/kg	8.05	12.9	91.9	75-125		20	
Lead	21.8	2.0	mg/kg	20.1	3.61	90.3	70-130		20	
Copper	41.8	2.0	mg/kg	20.1	20.8	105	75-125		20	
Barium	146	2.0	mg/kg	40.2	105	101	75-125		20	
Molybdenum	18.0	2.0	mg/kg	20.1	ND	89.7	75-125		20	
Nickel	43.0	2.0	mg/kg	20.1	21.3	108	75-125		20	
Chromium	50.1	2.0	mg/kg	20.1	28.0	110	75-125		20	
Matrix Spike (U6D1705-MS2)		**Source: CD18037-08**		Prepared & Analyzed: 04/24/16						

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California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U6D1705 - EPA 6010B										
Matrix Spike (U6D1705-MS2)		**Source: CD18037-08**		Prepared & Analyzed: 04/24/16						
Molybdenum	18.7	2.0	mg/kg	19.9	ND	93.8	75-125		20	
Silver	20.7	2.0	mg/kg	19.9	ND	104	75-125		20	
Zinc	40.4	2.0	mg/kg	19.9	20.6	99.3	75-125		20	
Lead	21.8	2.0	mg/kg	19.9	3.89	90.1	70-130		20	
Cobalt	11.8	0.80	mg/kg	7.96	4.24	95.4	75-125		20	
Nickel	48.3	2.0	mg/kg	19.9	32.0	82.0	75-125		20	
Copper	25.8	2.0	mg/kg	19.9	6.31	98.2	75-125		20	
Arsenic	42.2	2.0	mg/kg	39.8	2.04	101	75-125		20	
Selenium	71.8	5.0	mg/kg	79.6	ND	90.2	75-125		20	
Chromium	61.0	2.0	mg/kg	19.9	41.3	99.3	75-125		20	
Thallium	84.1	5.0	mg/kg	79.6	ND	106	75-125		20	
Antimony	8.29	2.0	mg/kg	19.9	ND	41.7	75-125		20	MS3
Barium	87.0	2.0	mg/kg	39.8	42.6	112	75-125		20	
Vanadium	70.2	2.5	mg/kg	39.8	31.2	97.9	75-125		20	
Beryllium	4.07	0.40	mg/kg	3.98	0.184	97.6	75-125		20	
Cadmium	3.84	0.40	mg/kg	3.98	0.0515	95.3	75-125		20	
Matrix Spike Dup (U6D1705-MSD1)		**Source: CD13005-01**		Prepared & Analyzed: 04/24/16						
Nickel	42.1	2.0	mg/kg	20.2	21.3	103	75-125	2.20	20	
Molybdenum	18.0	2.0	mg/kg	20.2	ND	89.2	75-125	0.161	20	
Lead	21.9	2.0	mg/kg	20.2	3.61	90.4	70-130	0.316	20	
Beryllium	4.24	0.40	mg/kg	4.04	0.248	99.0	75-125	2.15	20	
Chromium	48.7	2.0	mg/kg	20.2	28.0	103	75-125	2.81	20	
Zinc	58.0	2.0	mg/kg	20.2	37.1	104	75-125	1.32	20	
Arsenic	42.0	2.0	mg/kg	40.4	1.13	101	75-125	0.317	20	
Silver	21.2	2.0	mg/kg	20.2	ND	105	75-125	0.367	20	
Cobalt	19.3	0.80	mg/kg	8.07	12.9	79.9	75-125	4.79	20	
Copper	40.6	2.0	mg/kg	20.2	20.8	98.1	75-125	3.07	20	
Selenium	72.7	5.0	mg/kg	80.7	0.391	89.6	75-125	0.713	20	
Barium	141	2.0	mg/kg	40.4	105	88.8	75-125	3.34	20	
Cadmium	3.83	0.40	mg/kg	4.04	ND	94.8	75-125	0.562	20	
Vanadium	89.6	2.5	mg/kg	40.4	50.7	96.5	75-125	1.77	20	
Thallium	85.3	5.0	mg/kg	80.7	ND	106	75-125	0.219	20	
Antimony	6.79	2.0	mg/kg	20.2	0.437	31.5	75-125	2.16	20	MS3
Matrix Spike Dup (U6D1705-MSD2)		**Source: CD18037-08**		Prepared & Analyzed: 04/24/16						

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(559) 268-0740 Fax

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Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

Metals - Totals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U6D1705 - EPA 6010B										
Matrix Spike Dup (U6D1705-MSD2)		**Source: CD18037-08**		Prepared & Analyzed: 04/24/16						
Beryllium	4.11	0.40	mg/kg	4.01	0.184	98.0	75-125	1.15	20	
Molybdenum	19.0	2.0	mg/kg	20.0	ND	94.6	75-125	1.64	20	
Barium	81.5	2.0	mg/kg	40.1	42.6	96.9	75-125	6.60	20	
Arsenic	41.5	2.0	mg/kg	40.1	2.04	98.4	75-125	1.71	20	
Zinc	39.7	2.0	mg/kg	20.0	20.6	95.3	75-125	1.63	20	
Chromium	59.6	2.0	mg/kg	20.0	41.3	91.4	75-125	2.37	20	
Vanadium	70.5	2.5	mg/kg	40.1	31.2	98.0	75-125	0.473	20	
Copper	26.4	2.0	mg/kg	20.0	6.31	100	75-125	2.01	20	
Nickel	50.2	2.0	mg/kg	20.0	32.0	90.9	75-125	3.89	20	
Cobalt	11.8	0.80	mg/kg	8.02	4.24	93.8	75-125	0.570	20	
Lead	22.0	2.0	mg/kg	20.0	3.89	90.6	70-130	1.05	20	
Thallium	85.3	5.0	mg/kg	80.2	ND	106	75-125	1.43	20	
Cadmium	3.92	0.40	mg/kg	4.01	0.0515	96.5	75-125	2.00	20	
Selenium	73.2	5.0	mg/kg	80.2	ND	91.3	75-125	1.98	20	
Antimony	9.20	2.0	mg/kg	20.0	ND	45.9	75-125	10.4	20	MS3
Silver	21.1	2.0	mg/kg	20.0	ND	105	75-125	2.16	20	
Batch U6D2210 - EPA 7471A										
Blank (U6D2210-BLK1)				Prepared & Analyzed: 04/25/16						
Mercury	ND	0.040	mg/kg							
LCS (U6D2210-BS1)				Prepared & Analyzed: 04/25/16						
Mercury	0.990	0.040	mg/kg	1.00		99.0	70-130		20	
LCS Dup (U6D2210-BSD1)				Prepared & Analyzed: 04/25/16						
Mercury	0.994	0.040	mg/kg	1.00		99.4	70-130	0.388	20	
Matrix Spike (U6D2210-MS1)		**Source: CD20047-01**		Prepared & Analyzed: 04/25/16						
Mercury	0.331	0.013	mg/kg	0.333	ND	99.2	70-130		20	
Matrix Spike (U6D2210-MS2)		**Source: CD21035-01**		Prepared & Analyzed: 04/25/16						
Mercury	0.333	0.013	mg/kg	0.331	0.0125	96.7	70-130		20	
Matrix Spike Dup (U6D2210-MSD1)		**Source: CD20047-01**		Prepared & Analyzed: 04/25/16						
Mercury	0.333	0.013	mg/kg	0.333	ND	100	70-130	0.780	20	
Matrix Spike Dup (U6D2210-MSD2)		**Source: CD21035-01**		Prepared & Analyzed: 04/25/16						
Mercury	0.342	0.013	mg/kg	0.331	0.0125	99.5	70-130	2.75	20	

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Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

Metals - Dissolved - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U6D2203 - EPA 200.8										
Blank (U6D2203-BLK1)				Prepared: 04/25/16 Analyzed: 04/26/16						
Vanadium	ND	1.0	µg/L							
Thallium	ND	1.0	µg/L							
Antimony	ND	1.0	µg/L							
Lead	ND	1.0	µg/L							
Nickel	ND	1.0	µg/L							
Arsenic	ND	1.0	µg/L							
Molybdenum	ND	1.0	µg/L							
Mercury	ND	0.20	µg/L							
Barium	ND	1.0	µg/L							
Copper	ND	2.0	µg/L							
Chromium	ND	1.0	µg/L							
Cobalt	ND	1.0	µg/L							
Silver	ND	1.0	µg/L							
Beryllium	ND	1.0	µg/L							
Cadmium	ND	0.20	µg/L							
Selenium	ND	1.0	µg/L							
Zinc	ND	5.0	µg/L							
LCS (U6D2203-BS1)				Prepared: 04/25/16 Analyzed: 04/26/16						
Mercury	0.964	0.20	µg/L	1.00		96.4	80-115		20	
Nickel	49.6	1.0	µg/L	50.0		99.1	85-115		20	
Barium	51.0	1.0	µg/L	50.0		102	85-115		20	
Lead	50	1.0	µg/L	50.0		99.6	85-115		20	
Molybdenum	49.5	1.0	µg/L	50.0		99.0	85-115		20	
Copper	49.0	2.0	µg/L	50.0		98.0	85-115		20	
Arsenic	51.7	1.0	µg/L	50.0		103	85-115		20	
Cobalt	48.4	1.0	µg/L	50.0		96.9	85-115		20	
Beryllium	49.6	1.0	µg/L	50.0		99.2	85-115		20	
Vanadium	50.5	1.0	µg/L	50.0		101	85-115		20	
Antimony	50.8	1.0	µg/L	50.0		102	85-115		20	
Selenium	53.4	1.0	µg/L	50.0		107	85-115		20	
Zinc	50.9	5.0	µg/L	50.0		102	85-115		20	
Silver	49.1	1.0	µg/L	50.0		98.3	85-115		20	
Cadmium	49.5	0.20	µg/L	50.0		99.0	85-115		20	
Chromium	51.4	1.0	µg/L	50.0		103	85-115		20	

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Project: 1200Park St, Alameda, CA
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Reported:
05/10/16 09:16

Metals - Dissolved - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U6D2203 - EPA 200.8										
LCS (U6D2203-BS1)				Prepared: 04/25/16 Analyzed: 04/26/16						
Thallium	50	1.0	µg/L	50.0		100	85-115		20	
LCS Dup (U6D2203-BSD1)				Prepared: 04/25/16 Analyzed: 04/26/16						
Chromium	50.2	1.0	µg/L	50.0		100	85-115	2.26	20	
Arsenic	50.4	1.0	µg/L	50.0		101	85-115	2.54	20	
Cadmium	49.2	0.20	µg/L	50.0		98.4	85-115	0.628	20	
Thallium	50	1.0	µg/L	50.0		99.0	85-115	0.934	20	
Barium	50.4	1.0	µg/L	50.0		101	85-115	1.14	20	
Molybdenum	48.9	1.0	µg/L	50.0		97.9	85-115	1.18	20	
Mercury	0.979	0.20	µg/L	1.00		97.9	80-115	1.47	20	
Silver	49.0	1.0	µg/L	50.0		98.1	85-115	0.188	20	
Beryllium	48.3	1.0	µg/L	50.0		96.6	85-115	2.66	20	
Selenium	52.8	1.0	µg/L	50.0		106	85-115	1.15	20	
Cobalt	47.5	1.0	µg/L	50.0		94.9	85-115	2.03	20	
Zinc	50.1	5.0	µg/L	50.0		100	85-115	1.50	20	
Vanadium	50.5	1.0	µg/L	50.0		101	85-115	0.00145	20	
Nickel	48.6	1.0	µg/L	50.0		97.2	85-115	1.94	20	
Copper	48.6	2.0	µg/L	50.0		97.1	85-115	0.956	20	
Antimony	49.6	1.0	µg/L	50.0		99.3	85-115	2.33	20	
Lead	49	1.0	µg/L	50.0		98.4	85-115	1.21	20	
Matrix Spike (U6D2203-MS1)				**Source: CD18037-13** Prepared: 04/25/16 Analyzed: 04/26/16						
Mercury	0.969	0.20	µg/L	1.00	ND	96.9	70-125		20	
Barium	74	1.0	µg/L	50.0	23	101	70-130		20	
Lead	48	1.0	µg/L	50.0	0.045	96.2	70-130		20	
Antimony	53	1.0	µg/L	50.0	0.13	107	70-130		20	
Arsenic	53	1.0	µg/L	50.0	ND	106	70-130		20	
Beryllium	51	1.0	µg/L	50.0	ND	102	70-130		20	
Copper	49	2.0	µg/L	50.0	1.9	93.5	70-130		20	
Cadmium	52	0.20	µg/L	50.0	0.017	103	70-130		20	
Cobalt	47.8	1.0	µg/L	50.0	0.865	93.9	70-130		20	
Chromium	53	1.0	µg/L	50.0	4.3	97.3	70-130		20	
Thallium	48	1.0	µg/L	50.0	ND	96.9	70-130		20	
Silver	50	1.0	µg/L	50.0	ND	100	75-125		20	
Selenium	57	1.0	µg/L	50.0	0.78	112	70-130		20	
Zinc	54	5.0	µg/L	50.0	2.3	103	75-125		20	

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Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

Metals - Dissolved - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U6D2203 - EPA 200.8										
Matrix Spike (U6D2203-MS1)		**Source: CD18037-13**		Prepared: 04/25/16 Analyzed: 04/26/16						
Nickel	58	1.0	µg/L	50.0	11	93.3	75-125		20	
Vanadium	51	1.0	µg/L	50.0	1.9	98.9	70-130		20	
Molybdenum	53	1.0	µg/L	50.0	2.0	102	70-130		20	
Matrix Spike (U6D2203-MS2)		**Source: CD20052-01**		Prepared: 04/25/16 Analyzed: 04/26/16						
Beryllium	51	1.0	µg/L	50.0	ND	102	70-130		20	
Selenium	56	1.0	µg/L	50.0	ND	112	70-130		20	
Vanadium	60	1.0	µg/L	50.0	8.6	102	70-130		20	
Antimony	52	1.0	µg/L	50.0	0.14	103	70-130		20	
Cobalt	46.6	1.0	µg/L	50.0	0.0685	93.0	70-130		20	
Arsenic	68	1.0	µg/L	50.0	16	104	70-130		20	
Copper	49	2.0	µg/L	50.0	2.3	92.9	70-130		20	
Cadmium	49	0.20	µg/L	50.0	0.011	98.9	70-130		20	
Zinc	52	5.0	µg/L	50.0	0.66	103	75-125		20	
Barium	79	1.0	µg/L	50.0	29	100	70-130		20	
Chromium	50	1.0	µg/L	50.0	1.1	98.2	70-130		20	
Lead	48	1.0	µg/L	50.0	0.16	96.3	70-130		20	
Thallium	48	1.0	µg/L	50.0	ND	96.4	70-130		20	
Mercury	1.14	0.20	µg/L	1.00	0.186	95.7	70-125		20	
Nickel	47	1.0	µg/L	50.0	0.41	93.2	75-125		20	
Molybdenum	55	1.0	µg/L	50.0	4.3	101	70-130		20	
Silver	49	1.0	µg/L	50.0	ND	97.1	75-125		20	
Matrix Spike Dup (U6D2203-MSD1)		**Source: CD18037-13**		Prepared: 04/25/16 Analyzed: 04/26/16						
Cobalt	46.9	1.0	µg/L	50.0	0.865	92.1	70-130	1.90	20	
Vanadium	51	1.0	µg/L	50.0	1.9	98.7	70-130	0.152	20	
Mercury	0.958	0.20	µg/L	1.00	ND	95.8	70-125	1.17	20	
Molybdenum	53	1.0	µg/L	50.0	2.0	102	70-130	0.239	20	
Beryllium	52	1.0	µg/L	50.0	ND	104	70-130	2.22	20	
Selenium	57	1.0	µg/L	50.0	0.78	113	70-130	0.951	20	
Cadmium	52	0.20	µg/L	50.0	0.017	103	70-130	0.157	20	
Silver	49	1.0	µg/L	50.0	ND	97.0	75-125	3.24	20	
Barium	73	1.0	µg/L	50.0	23	100	70-130	0.618	20	
Lead	48	1.0	µg/L	50.0	0.045	96.2	70-130	0.00376	20	
Nickel	57	1.0	µg/L	50.0	11	91.8	75-125	1.29	20	
Arsenic	53	1.0	µg/L	50.0	ND	105	70-130	0.463	20	

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Reported:
05/10/16 09:16

Metals - Dissolved - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U6D2203 - EPA 200.8										
Matrix Spike Dup (U6D2203-MSD1)		**Source: CD18037-13**		Prepared: 04/25/16 Analyzed: 04/26/16						
Copper	49	2.0	µg/L	50.0	1.9	94.4	70-130	0.945	20	
Thallium	48	1.0	µg/L	50.0	ND	96.6	70-130	0.343	20	
Antimony	53	1.0	µg/L	50.0	0.13	105	70-130	1.41	20	
Zinc	53	5.0	µg/L	50.0	2.3	102	75-125	0.493	20	
Chromium	53	1.0	µg/L	50.0	4.3	97.7	70-130	0.321	20	
Matrix Spike Dup (U6D2203-MSD2)		**Source: CD20052-01**		Prepared: 04/25/16 Analyzed: 04/26/16						
Silver	48	1.0	µg/L	50.0	ND	96.8	75-125	0.246	20	
Chromium	50	1.0	µg/L	50.0	1.1	97.3	70-130	0.900	20	
Thallium	48	1.0	µg/L	50.0	ND	95.5	70-130	0.951	20	
Selenium	54	1.0	µg/L	50.0	ND	108	70-130	3.14	20	
Barium	77	1.0	µg/L	50.0	29	96.8	70-130	2.25	20	
Mercury	1.18	0.20	µg/L	1.00	0.186	98.9	70-125	2.80	20	
Molybdenum	55	1.0	µg/L	50.0	4.3	101	70-130	0.565	20	
Nickel	47	1.0	µg/L	50.0	0.41	92.2	75-125	1.06	20	
Lead	48	1.0	µg/L	50.0	0.16	96.4	70-130	0.0904	20	
Arsenic	67	1.0	µg/L	50.0	16	102	70-130	1.27	20	
Antimony	52	1.0	µg/L	50.0	0.14	104	70-130	1.02	20	
Copper	48	2.0	µg/L	50.0	2.3	91.2	70-130	1.74	20	
Beryllium	50	1.0	µg/L	50.0	ND	100	70-130	2.11	20	
Cadmium	50	0.20	µg/L	50.0	0.011	99.9	70-130	0.964	20	
Vanadium	57	1.0	µg/L	50.0	8.6	96.7	70-130	4.48	20	
Cobalt	45.6	1.0	µg/L	50.0	0.0685	91.0	70-130	2.17	20	
Zinc	50	5.0	µg/L	50.0	0.66	98.9	75-125	4.27	20	

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California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U6D1805 - EPA 8015B										
Blank (U6D1805-BLK1)				Prepared & Analyzed: 04/19/16						
Surrogate: o-Terphenyl	*1.56*		*mg/kg*	*2.00*		*77.8*	*11.8-130*			
Diesel	ND	10	mg/kg							
Blank (U6D1805-BLK2)				Prepared & Analyzed: 04/19/16						
Surrogate: o-Terphenyl	*1.48*		*mg/kg*	*2.00*		*74.1*	*11.8-130*			
Motor Oil	ND	10	mg/kg							
LCS (U6D1805-BS1)				Prepared & Analyzed: 04/19/16						
Surrogate: o-Terphenyl	*1.88*		*mg/kg*	*2.00*		*94.0*	*11.8-130*			
Diesel	25.1	10	mg/kg	25.0		100	48-131		20	
LCS (U6D1805-BS2)				Prepared & Analyzed: 04/19/16						
Surrogate: o-Terphenyl	*1.61*		*mg/kg*	*2.00*		*80.5*	*11.8-130*			
Motor Oil	23.3	10	mg/kg	25.0		93.0	62-132		20	
LCS Dup (U6D1805-BSD1)				Prepared & Analyzed: 04/19/16						
Surrogate: o-Terphenyl	*1.52*		*mg/kg*	*2.00*		*75.8*	*11.8-130*			
Diesel	20.4	10	mg/kg	25.0		81.8	48-131	20.3	20	RPD
LCS Dup (U6D1805-BSD2)				Prepared & Analyzed: 04/19/16						
Surrogate: o-Terphenyl	*1.65*		*mg/kg*	*2.00*		*82.4*	*11.8-130*			
Motor Oil	26.2	10	mg/kg	25.0		105	62-132	11.7	20	
Matrix Spike (U6D1805-MS1)		**Source: CD18037-01**		Prepared & Analyzed: 04/19/16						
Surrogate: o-Terphenyl	*1.68*		*mg/kg*	*2.00*		*83.9*	*11.8-130*			
Diesel	14.2	10	mg/kg	25.0	ND	56.7	48-131		20	
Matrix Spike (U6D1805-MS2)		**Source: CD18037-02**		Prepared & Analyzed: 04/19/16						
Surrogate: o-Terphenyl	*1.65*		*mg/kg*	*2.00*		*82.4*	*11.8-130*			
Motor Oil	24.5	10	mg/kg	25.0	ND	98.2	48-131		20	
Matrix Spike Dup (U6D1805-MSD1)		**Source: CD18037-01**		Prepared & Analyzed: 04/19/16						
Surrogate: o-Terphenyl	*1.60*		*mg/kg*	*2.00*		*79.9*	*11.8-130*			
Diesel	11.7	10	mg/kg	25.0	ND	46.7	48-131	19.4	20	MS1
Matrix Spike Dup (U6D1805-MSD2)		**Source: CD18037-02**		Prepared & Analyzed: 04/19/16						
Surrogate: o-Terphenyl	*1.68*		*mg/kg*	*2.00*		*84.2*	*11.8-130*			
Motor Oil	24.4	10	mg/kg	25.0	ND	97.5	48-131	0.674	20	
Batch U6D1902 - EPA 8270C										
Blank (U6D1902-BLK1)				Prepared: 04/19/16 Analyzed: 04/20/16						

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(559) 268-0740 Fax

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Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

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Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U6D1902 - EPA 8270C										
Blank (U6D1902-BLK1)				Prepared: 04/19/16 Analyzed: 04/20/16						
Surrogate: Nitrobenzene-d5	*39.4*		*µg/L*	*50.0*		*78.8*	*41-110*			
Surrogate: 2-Fluorobiphenyl	*37.4*		*µg/L*	*50.0*		*74.7*	*40-92*			
Surrogate: d14-Terphenyl	*38.8*		*µg/L*	*50.0*		*77.7*	*44-131*			
Naphthalene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Acenaphthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Phenanthrene	ND	5.0	µg/L							
Anthracene	ND	5.0	µg/L							
Fluoranthene	ND	5.0	µg/L							
Pyrene	ND	5.0	µg/L							
Benzo (a) anthracene	ND	5.0	µg/L							
Chrysene	ND	5.0	µg/L							
Benzo (b) fluoranthene	ND	5.0	µg/L							
Benzo (k) fluoranthene	ND	5.0	µg/L							
Benzo (a) pyrene	ND	5.0	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Dibenzo(a,h)anthracene	ND	5.0	µg/L							
Benzo(ghi)perylene	ND	5.0	µg/L							
LCS (U6D1902-BS1)				Prepared: 04/19/16 Analyzed: 04/20/16						
Surrogate: Nitrobenzene-d5	*30.8*		*µg/L*	*50.0*		*61.7*	*41-110*			
Surrogate: 2-Fluorobiphenyl	*22.6*		*µg/L*	*50.0*		*45.3*	*40-92*			
Surrogate: d14-Terphenyl	*35.1*		*µg/L*	*50.0*		*70.2*	*44-131*			
Acenaphthene	17.3	5.0	µg/L	25.0		69.1	47-145		20	
Pyrene	15.8	5.0	µg/L	25.0		63.2	52-115		20	
LCS Dup (U6D1902-BSD1)				Prepared: 04/19/16 Analyzed: 04/20/16						
Surrogate: Nitrobenzene-d5	*36.0*		*µg/L*	*50.0*		*72.1*	*41-110*			
Surrogate: 2-Fluorobiphenyl	*36.2*		*µg/L*	*50.0*		*72.3*	*40-92*			
Surrogate: d14-Terphenyl	*38.1*		*µg/L*	*50.0*		*76.2*	*44-131*			
Acenaphthene	18.5	5.0	µg/L	25.0		73.8	47-145	6.59	20	
Pyrene	17.2	5.0	µg/L	25.0		68.7	52-115	8.46	20	
Batch U6D2102 - EPA 8270C										
Blank (U6D2102-BLK1)				Prepared: 04/21/16 Analyzed: 04/27/16						

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(559) 268-0740 Fax

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Project Number: C66423.02
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Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U6D2102 - EPA 8270C										
Blank (U6D2102-BLK1)				Prepared: 04/21/16 Analyzed: 04/27/16						
Surrogate: Nitrobenzene-d5	*1.26*		*mg/kg*	*1.67*		*75.5*	*41-110*			
Surrogate: 2-Fluorobiphenyl	*1.33*		*mg/kg*	*1.67*		*79.7*	*40-92*			
Surrogate: d14-Terphenyl	*1.70*		*mg/kg*	*1.67*		*102*	*44-131*			
Acenaphthylene	ND	0.020	mg/kg							
Acenaphthene	ND	0.020	mg/kg							
Fluorene	ND	0.020	mg/kg							
Naphthalene	ND	0.020	mg/kg							
Phenanthrene	ND	0.020	mg/kg							
Anthracene	ND	0.020	mg/kg							
Fluoranthene	ND	0.020	mg/kg							
Pyrene	ND	0.020	mg/kg							
Benzo (a) anthracene	ND	0.020	mg/kg							
Chrysene	ND	0.020	mg/kg							
Benzo (b) fluoranthene	ND	0.020	mg/kg							
Benzo (k) fluoranthene	ND	0.020	mg/kg							
Benzo (a) pyrene	ND	0.020	mg/kg							
Indeno(1,2,3-cd)pyrene	ND	0.020	mg/kg							
Dibenzo(a,h)anthracene	ND	0.020	mg/kg							
Benzo(ghi)perylene	ND	0.020	mg/kg							
LCS (U6D2102-BS1)				Prepared: 04/21/16 Analyzed: 04/27/16						
Surrogate: Nitrobenzene-d5	*1.31*		*mg/kg*	*1.67*		*78.6*	*41-110*			
Surrogate: 2-Fluorobiphenyl	*1.36*		*mg/kg*	*1.67*		*81.8*	*40-92*			
Surrogate: d14-Terphenyl	*1.40*		*mg/kg*	*1.67*		*83.8*	*44-131*			
Acenaphthene	0.658	0.020	mg/kg	0.833		79.0	47-145		20	
Pyrene	0.641	0.020	mg/kg	0.833		76.9	52-115		20	
LCS Dup (U6D2102-BSD1)				Prepared: 04/21/16 Analyzed: 04/27/16						
Surrogate: Nitrobenzene-d5	*1.26*		*mg/kg*	*1.67*		*75.3*	*41-110*			
Surrogate: 2-Fluorobiphenyl	*1.28*		*mg/kg*	*1.67*		*77.1*	*40-92*			
Surrogate: d14-Terphenyl	*1.40*		*mg/kg*	*1.67*		*83.8*	*44-131*			
Acenaphthene	0.621	0.020	mg/kg	0.833		74.5	47-145	5.85	20	
Pyrene	0.630	0.020	mg/kg	0.833		75.6	52-115	1.79	20	
Matrix Spike (U6D2102-MS1)		**Source: CD18037-01**		Prepared: 04/21/16 Analyzed: 04/28/16						
Surrogate: Nitrobenzene-d5	*1.11*		*mg/kg*	*1.67*		*66.5*	*41-110*			
Surrogate: 2-Fluorobiphenyl	*1.14*		*mg/kg*	*1.67*		*68.3*	*40-92*			

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Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U6D2102 - EPA 8270C										
Matrix Spike (U6D2102-MS1)		**Source: CD18037-01**		Prepared: 04/21/16 Analyzed: 04/28/16						
Surrogate: d14-Terphenyl	*2.34*		*mg/kg*	*1.67*		*141*	*44-131*			*MS1*
Acenaphthene	0.589	0.020	mg/kg	0.833	ND	70.6	47-145		20	
Pyrene	1.04	0.020	mg/kg	0.833	ND	125	52-115		20	MS1
Matrix Spike Dup (U6D2102-MSD1)		**Source: CD18037-01**		Prepared: 04/21/16 Analyzed: 04/28/16						
Surrogate: Nitrobenzene-d5	*1.24*		*mg/kg*	*1.67*		*74.5*	*41-110*			
Surrogate: 2-Fluorobiphenyl	*1.40*		*mg/kg*	*1.67*		*84.1*	*40-92*			
Surrogate: d14-Terphenyl	*2.39*		*mg/kg*	*1.67*		*143*	*44-131*			*MS1*
Acenaphthene	0.635	0.020	mg/kg	0.833	ND	76.2	47-145	7.63	20	
Pyrene	1.14	0.020	mg/kg	0.833	ND	137	52-115	9.54	20	MS1
Batch U6D2103 - EPA 8015B										
Blank (U6D2103-BLK1)				Prepared & Analyzed: 04/21/16						
Surrogate: o-Terphenyl	*34.1*		*µg/L*	*40.0*		*85.3*	*34-150*			
Diesel	ND	50	µg/L							
Blank (U6D2103-BLK2)				Prepared & Analyzed: 04/21/16						
Surrogate: o-Terphenyl	*32.7*		*µg/L*	*40.0*		*81.8*	*0-200*			
Motor Oil	231	100	µg/L							*
LCS (U6D2103-BS1)				Prepared & Analyzed: 04/21/16						
Surrogate: o-Terphenyl	*41.7*		*µg/L*	*40.0*		*104*	*34-150*			
Diesel	502	50	µg/L	500		100	70-130		20	
LCS (U6D2103-BS2)				Prepared & Analyzed: 04/21/16						
Surrogate: o-Terphenyl	*34.8*		*µg/L*	*40.0*		*86.9*	*62-132*			
Motor Oil	502	100	µg/L	500		100	62-132		20	
LCS Dup (U6D2103-BSD1)				Prepared & Analyzed: 04/21/16						
Surrogate: o-Terphenyl	*41.6*		*µg/L*	*40.0*		*104*	*34-150*			
Diesel	489	50	µg/L	500		97.9	70-130	2.56	20	
LCS Dup (U6D2103-BSD2)				Prepared & Analyzed: 04/21/16						
Surrogate: o-Terphenyl	*26.2*		*µg/L*	*40.0*		*65.4*	*62-132*			
Motor Oil	378	100	µg/L	500		75.5	62-132	28.2	20	RPD
Batch U6D2209 - EPA 8082										
Blank (U6D2209-BLK1)				Prepared & Analyzed: 04/22/16						
Surrogate: Tetrachloro-meta-xylene (TMX)	*0.0350*		*mg/kg*	*0.0500*		*70.0*	*20.6-119*			

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Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U6D2209 - EPA 8082										
Blank (U6D2209-BLK1)				Prepared & Analyzed: 04/22/16						
Surrogate: Decachlorobiphenyl (DCB)	*0.0550*		*mg/kg*	*0.0500*		*110*	*17.2-156*			
PCB-1016	ND	0.050	mg/kg							
PCB-1221	ND	0.050	mg/kg							
PCB-1232	ND	0.050	mg/kg							
PCB-1242	ND	0.050	mg/kg							
PCB-1248	ND	0.050	mg/kg							
PCB-1254	ND	0.050	mg/kg							
PCB-1260	ND	0.050	mg/kg							
Total PCBs	ND	0.050	mg/kg							
LCS (U6D2209-BS1)				Prepared & Analyzed: 04/22/16						
Surrogate: Tetrachloro-meta-xylene (TMX)	*0.0350*		*mg/kg*	*0.0500*		*70.0*	*20.6-119*			
Surrogate: Decachlorobiphenyl (DCB)	*0.0550*		*mg/kg*	*0.0500*		*110*	*17.2-156*			
PCB-1016	0.200	0.050	mg/kg	0.250		80.2	45-117		20	
PCB-1260	0.217	0.050	mg/kg	0.250		86.8	45-117		20	
LCS Dup (U6D2209-BSD1)				Prepared & Analyzed: 04/22/16						
Surrogate: Tetrachloro-meta-xylene (TMX)	*0.0200*		*mg/kg*	*0.0500*		*40.0*	*20.6-119*			
Surrogate: Decachlorobiphenyl (DCB)	*0.0500*		*mg/kg*	*0.0500*		*100*	*17.2-156*			
PCB-1016	0.162	0.050	mg/kg	0.250		64.6	45-117	21.5	20	RPD
PCB-1260	0.196	0.050	mg/kg	0.250		78.6	45-117	9.92	20	
Matrix Spike (U6D2209-MS1)		**Source: CD20047-01**		Prepared & Analyzed: 04/22/16						
Surrogate: Tetrachloro-meta-xylene (TMX)	*0.0200*		*mg/kg*	*0.0500*		*40.0*	*20.6-119*			
Surrogate: Decachlorobiphenyl (DCB)	*0.0500*		*mg/kg*	*0.0500*		*100*	*17.2-156*			
PCB-1016	0.196	0.050	mg/kg	0.250	ND	78.4	45-117		20	
PCB-1260	0.220	0.050	mg/kg	0.250	ND	87.8	45-117		20	
Matrix Spike Dup (U6D2209-MSD1)		**Source: CD20047-01**		Prepared & Analyzed: 04/22/16						
Surrogate: Tetrachloro-meta-xylene (TMX)	*0.0250*		*mg/kg*	*0.0500*		*50.0*	*20.6-119*			
Surrogate: Decachlorobiphenyl (DCB)	*0.0450*		*mg/kg*	*0.0500*		*90.0*	*17.2-156*			
PCB-1016	0.189	0.050	mg/kg	0.250	ND	75.6	45-117	3.64	20	
PCB-1260	0.206	0.050	mg/kg	0.250	ND	82.4	45-117	6.35	20	

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Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U6D1905 - EPA 8015B										
Blank (U6D1905-BLK1)				Prepared & Analyzed: 04/19/16						
Surrogate: 4-Bromofluorobenzene (FID)	*0.0606*		*mg/kg*	*0.0625*		*97.0*	*70-130*			
Gasoline (C6-C10)	ND	1.0	mg/kg							
LCS (U6D1905-BS1)				Prepared & Analyzed: 04/19/16						
Surrogate: 4-Bromofluorobenzene (FID)	*0.0624*		*mg/kg*	*0.0625*		*99.8*	*70-130*			
Gasoline (C6-C10)	2.75	1.0	mg/kg	2.50		110	70-130		20	
LCS Dup (U6D1905-BSD1)				Prepared & Analyzed: 04/19/16						
Surrogate: 4-Bromofluorobenzene (FID)	*0.0638*		*mg/kg*	*0.0625*		*102*	*70-130*			
Gasoline (C6-C10)	2.72	1.0	mg/kg	2.50		109	70-130	0.913	20	
Batch U6D2005 - EPA 8260B										
Blank (U6D2005-BLK1)				Prepared & Analyzed: 04/20/16						
Surrogate: Dibromofluoromethane	*0.0247*		*mg/kg*	*0.0250*		*98.7*	*70-130*			
Surrogate: Toluene-d8	*0.0245*		*mg/kg*	*0.0250*		*98.0*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0247*		*mg/kg*	*0.0250*		*98.6*	*70-130*			
Dichlorodifluoromethane (CFC-12)	ND	0.0010	mg/kg							
Chloromethane	ND	0.0010	mg/kg							
Vinyl chloride	ND	0.0010	mg/kg							
Bromomethane	ND	0.0010	mg/kg							
Chloroethane	ND	0.0010	mg/kg							
Trichlorofluoromethane (CFC-11)	ND	0.0010	mg/kg							
Ethanol	ND	0.050	mg/kg							
Trichlorotrifluoroethane (CFC-113)	ND	0.0010	mg/kg							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0010	mg/kg							
1,1-Dichloroethene	ND	0.0010	mg/kg							
Carbon disulfide	ND	0.0010	mg/kg							
Iodomethane	ND	0.0010	mg/kg							
Acrolein	ND	0.050	mg/kg							
Methylene chloride	ND	0.0020	mg/kg							
Acetone	ND	0.020	mg/kg							
trans-1,2-Dichloroethene	ND	0.0010	mg/kg							
tert-Butyl alcohol (TBA)	ND	0.020	mg/kg							
Methyl tert-Butyl Ether (MTBE)	ND	0.0010	mg/kg							
Di-isopropyl ether (DIPE)	ND	0.0010	mg/kg							

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U6D2005 - EPA 8260B										
Blank (U6D2005-BLK1)				Prepared & Analyzed: 04/20/16						
Chloroprene	ND	0.0010	mg/kg							
1,1-Dichloroethane	ND	0.0010	mg/kg							
Acrylonitrile	ND	0.010	mg/kg							
Ethyl tert-Butyl Ether (ETBE)	ND	0.0010	mg/kg							
Vinyl acetate	ND	0.0010	mg/kg							
cis-1,2-Dichloroethene	ND	0.0010	mg/kg							
2,2-Dichloropropane	ND	0.0010	mg/kg							
Bromochloromethane	ND	0.0010	mg/kg							
Chloroform	ND	0.0010	mg/kg							
Carbon tetrachloride	ND	0.0010	mg/kg							
2-Butanone (MEK)	ND	0.0010	mg/kg							
1,1,1-Trichloroethane (TCA)	ND	0.0010	mg/kg							
1,1-Dichloropropene	ND	0.0010	mg/kg							
Tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/kg							
Benzene	ND	0.0010	mg/kg							
1,2-Dichloroethane (1,2-DCA)	ND	0.0010	mg/kg							
Trichloroethene (TCE)	ND	0.0010	mg/kg							
Dibromomethane	ND	0.0010	mg/kg							
1,2-Dichloropropane	ND	0.0010	mg/kg							
Bromodichloromethane	ND	0.0010	mg/kg							
Methyl Methacrylate	ND	0.0010	mg/kg							
2-Chloroethylvinyl ether	ND	0.020	mg/kg							
cis-1,3-Dichloropropene	ND	0.0010	mg/kg							
Toluene	ND	0.0010	mg/kg							
4-Methyl-2-pentanone (MIBK)	ND	0.0010	mg/kg							
trans-1,3-Dichloropropene	ND	0.0010	mg/kg							
Tetrachloroethene (PCE)	ND	0.0010	mg/kg							
1,1,2-Trichloroethane	ND	0.0010	mg/kg							
Ethyl methacrylate	ND	0.0010	mg/kg							
Dibromochloromethane	ND	0.0010	mg/kg							
1,3-Dichloropropane	ND	0.0010	mg/kg							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/kg							
2-Hexanone	ND	0.0010	mg/kg							
Ethylbenzene	ND	0.0010	mg/kg							
Chlorobenzene	ND	0.0010	mg/kg							

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Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U6D2005 - EPA 8260B										
Blank (U6D2005-BLK1)				Prepared & Analyzed: 04/20/16						
1,1,1,2-Tetrachloroethane	ND	0.0010	mg/kg							
m,p-Xylene	ND	0.0010	mg/kg							
o-Xylene	ND	0.0010	mg/kg							
Styrene	ND	0.0010	mg/kg							
Bromoform	ND	0.0010	mg/kg							
Isopropylbenzene	ND	0.0010	mg/kg							
trans-1,4-Dichloro-2-butene	ND	0.0010	mg/kg							
Bromobenzene	ND	0.0010	mg/kg							
n-Propylbenzene	ND	0.0010	mg/kg							
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/kg							
1,3,5-Trimethylbenzene	ND	0.0010	mg/kg							
2-Chlorotoluene	ND	0.0010	mg/kg							
1,2,3-Trichloropropane (123TCP)	ND	0.0010	mg/kg							
4-Chlorotoluene	ND	0.0010	mg/kg							
tert-Butylbenzene	ND	0.0010	mg/kg							
1,2,4-Trimethylbenzene	ND	0.0010	mg/kg							
sec-Butylbenzene	ND	0.0010	mg/kg							
p-Isopropyltoluene	ND	0.0010	mg/kg							
1,3-Dichlorobenzene	ND	0.0010	mg/kg							
1,4-Dichlorobenzene	ND	0.0010	mg/kg							
n-Butylbenzene	ND	0.0010	mg/kg							
1,2-Dichlorobenzene	ND	0.0010	mg/kg							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0050	mg/kg							
1,2,4-Trichlorobenzene	ND	0.0010	mg/kg							
Hexachlorobutadiene	ND	0.0010	mg/kg							
Naphthalene	ND	0.0010	mg/kg							
1,2,3-Trichlorobenzene	ND	0.0010	mg/kg							
Chlorodifluoromethane	ND	0.0010	mg/kg							
Dichlorotetrafluoroethane (CFC-114)	ND	0.010	mg/kg							
Xylenes	ND	0.0010	mg/kg							
LCS (U6D2005-BS1)				Prepared & Analyzed: 04/20/16						
Surrogate: Dibromofluoromethane	*0.0252*		*mg/kg*	*0.0250*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.0245*		*mg/kg*	*0.0250*		*98.0*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0244*		*mg/kg*	*0.0250*		*97.4*	*70-130*			
1,1-Dichloroethene	0.0207	0.0010	mg/kg	0.0198		105	70-130		20	

Moore Twining Associates, Inc.
Juliane Adams, Director of Analytical Chemistry

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

MOORE TWINING ASSOCIATES, INC.

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Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U6D2005 - EPA 8260B										
LCS (U6D2005-BS1)				Prepared & Analyzed: 04/20/16						
Benzene	0.0203	0.0010	mg/kg	0.0200		102	70-130		20	
Trichloroethene (TCE)	0.0176	0.0010	mg/kg	0.0200		88.2	70-130		20	
Toluene	0.0192	0.0010	mg/kg	0.0199		96.4	70-130		20	
Chlorobenzene	0.0199	0.0010	mg/kg	0.0200		99.6	70-130		20	
LCS Dup (U6D2005-BSD1)				Prepared & Analyzed: 04/20/16						
Surrogate: Dibromofluoromethane	*0.0261*		*mg/kg*	*0.0250*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.0244*		*mg/kg*	*0.0250*		*97.6*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*0.0251*		*mg/kg*	*0.0250*		*100*	*70-130*			
1,1-Dichloroethene	0.0218	0.0010	mg/kg	0.0198		110	70-130	5.18	20	
Benzene	0.0224	0.0010	mg/kg	0.0200		112	70-130	9.51	20	
Trichloroethene (TCE)	0.0186	0.0010	mg/kg	0.0200		93.1	70-130	5.46	20	
Toluene	0.0197	0.0010	mg/kg	0.0199		99.0	70-130	2.73	20	
Chlorobenzene	0.0204	0.0010	mg/kg	0.0200		102	70-130	2.53	20	
Batch U6D2105 - EPA 8260B										
Blank (U6D2105-BLK1)				Prepared & Analyzed: 04/21/16						
Surrogate: 4-Bromofluorobenzene	*25.5*		*µg/L*	*25.0*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*25.4*		*µg/L*	*25.0*		*101*	*70-130*			
Surrogate: Toluene-d8	*24.4*		*µg/L*	*25.0*		*97.7*	*70-130*			
Dichlorodifluoromethane (CFC-12)	ND	0.50	µg/L							
Chloromethane	ND	0.50	µg/L							
Vinyl chloride	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
Chloroethane	ND	0.50	µg/L							
Trichlorofluoromethane (CFC-11)	ND	0.50	µg/L							
Ethanol	ND	50	µg/L							
Trichlorotrifluoroethane (CFC-113)	ND	1.0	µg/L							
1,1-Dichloroethene	ND	0.50	µg/L							
Carbon disulfide	ND	0.50	µg/L							
Iodomethane	ND	1.0	µg/L							
Acrolein	ND	10	µg/L							
Methylene chloride	ND	1.0	µg/L							
Acetone	ND	10	µg/L							
trans-1,2-Dichloroethene	ND	0.50	µg/L							
tert-Butyl alcohol (TBA)	ND	20	µg/L							

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Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U6D2105 - EPA 8260B										
Blank (U6D2105-BLK1)				Prepared & Analyzed: 04/21/16						
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Acetonitrile	ND	10	µg/L							
Di-isopropyl ether (DIPE)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
Ethyl tert-Butyl Ether (ETBE)	ND	1.0	µg/L							
Vinyl acetate	ND	0.50	µg/L							
cis-1,2-Dichloroethene	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
Bromochloromethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Carbon tetrachloride	ND	0.50	µg/L							
2-Butanone (MEK)	ND	10	µg/L							
1,1,1-Trichloroethane (TCA)	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
Isobutyl alcohol	ND	20	µg/L							
Propionitrile	ND	10	µg/L							
Tert-Amyl Methyl Ether (TAME)	ND	1.0	µg/L							
Benzene	ND	0.50	µg/L							
Methacrylonitrile	ND	5.0	µg/L							
1,2-Dichloroethane (1,2-DCA)	ND	0.50	µg/L							
Trichloroethene (TCE)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Methyl Methacrylate	ND	0.50	µg/L							
2-Chloroethylvinyl ether	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	1.0	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Tetrachloroethene (PCE)	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Ethyl methacrylate	ND	1.0	µg/L							
Dibromochloromethane	ND	0.50	µg/L							

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2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U6D2105 - EPA 8260B										
Blank (U6D2105-BLK1)				Prepared & Analyzed: 04/21/16						
1,3-Dichloropropane	ND	0.50	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
2-Hexanone	ND	1.0	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
m,p-Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Isopropylbenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	5.0	µg/L							
Bromobenzene	ND	0.50	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
1,2,3-Trichloropropane (123TCP)	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	0.50	µg/L							
p-Isopropyltoluene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
n-Butylbenzene	ND	0.50	µg/L							
Hexachloroethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
Naphthalene	ND	0.50	µg/L							
1,2,3-Trichlorobenzene	ND	0.50	µg/L							
Xylenes	ND	2.0	µg/L							
LCS (U6D2105-BS1)				Prepared & Analyzed: 04/21/16						

MOORE TWINING ASSOCIATES, INC.

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2527 Fresno Street
Fresno CA, 93721

Project: 1200Park St, Alameda, CA
Project Number: C66423.02
Project Manager: Paul Dotson

Reported:
05/10/16 09:16

Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch U6D2105 - EPA 8260B										
LCS (U6D2105-BS1)				Prepared & Analyzed: 04/21/16						
Surrogate: 4-Bromofluorobenzene	*25.4*		*µg/L*	*25.0*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*25.5*		*µg/L*	*25.0*		*102*	*70-130*			
Surrogate: Toluene-d8	*24.6*		*µg/L*	*25.0*		*98.6*	*70-130*			
1,1-Dichloroethene	20.9	0.50	µg/L	19.8		106	70-130		20	
Benzene	20.3	0.50	µg/L	20.0		102	70-130		20	
Trichloroethene (TCE)	20.7	0.50	µg/L	20.0		103	70-130		20	
Toluene	20.6	0.50	µg/L	19.9		103	70-130		20	
Chlorobenzene	20.3	0.50	µg/L	20.0		102	70-130		20	
LCS Dup (U6D2105-BSD1)				Prepared & Analyzed: 04/21/16						
Surrogate: 4-Bromofluorobenzene	*25.5*		*µg/L*	*25.0*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*25.8*		*µg/L*	*25.0*		*103*	*70-130*			
Surrogate: Toluene-d8	*24.7*		*µg/L*	*25.0*		*98.7*	*70-130*			
1,1-Dichloroethene	21.9	0.50	µg/L	19.8		111	70-130	4.76	20	
Benzene	21.0	0.50	µg/L	20.0		105	70-130	3.53	20	
Trichloroethene (TCE)	21.2	0.50	µg/L	20.0		106	70-130	2.30	20	
Toluene	21.0	0.50	µg/L	19.9		106	70-130	2.31	20	
Chlorobenzene	20.6	0.50	µg/L	20.0		103	70-130	1.37	20	
Batch U6D2106 - EPA 8015B										
Blank (U6D2106-BLK1)				Prepared & Analyzed: 04/21/16						
Surrogate: 4-Bromofluorobenzene (FID)	*27.0*		*µg/L*	*25.0*		*108*	*70-130*			
Gasoline (C6-C10)	ND	50	µg/L							
LCS (U6D2106-BS1)				Prepared & Analyzed: 04/21/16						
Surrogate: 4-Bromofluorobenzene (FID)	*24.5*		*µg/L*	*25.0*		*97.8*	*75-125*			
Gasoline (C6-C10)	1070	50	µg/L	1000		107	70-130		20	
LCS Dup (U6D2106-BSD1)				Prepared & Analyzed: 04/21/16						
Surrogate: 4-Bromofluorobenzene (FID)	*24.2*		*µg/L*	*25.0*		*96.8*	*75-125*			
Gasoline (C6-C10)	1030	50	µg/L	1000		103	70-130	3.23	20	

MOORE TWINING ASSOCIATES, INC.

ANALYTICAL CHEMISTRY DIVISION
CALIFORNIA ELAP CERTIFICATION # 1371

CHAIN OF CUSTODY/ANALYSIS REQUEST

2527 FRESNO STREET • FRESNO, CA 93721 • PHONE (559) 268-7021 • FAX: (559) 268-0740

WORKORDER #: CD18037
PAGE 1 **OF** 3

REPORT TO:	☐ INVOICE TO:	☐ REPORT COPY TO:	REPORTING :
ATTENTION: Paul Dotson	ATTENTION: Same		☒ STANDARD FORMAT
NAME: Moore Twining Associates	NAME:		☐ EDT (STATE FORM)
ADDRESS: 2527 Fresno St	ADDRESS:		☐ GEOTRACKER/COELT (LUFT)
Fresno CA 93721			☐ PDF ☐ EXCEL
PHONE: 559-269-7021	PHONE:		☐ County DHS :
FAX: 559-268-7126	FAX:		☐ Environmental Health Agency :
			☐ OTHER :

SAMPLE INFORMATION

SAMPLED BY (PRINT): Keith Mayes
SIGNATURE:

☐ PUBLIC SYSTEM ☐ ROUTINE
☐ PRIVATE WELL ☐ REPEAT
☐ OTHER ☐ REPLACEMENT

TURN AROUND TIME: ☒ STANDARD ☐ RUSH, DUE ON:

SAMPLE TYPES:

SOLID:
BS – BIOSOLID
CR – CERAMIC
SL – SOIL/SOLID
LIQUID:
DW - DRINKING WATER
GW - GROUND WATER
OL - OIL
SF - SURFACE WATER
ST - STORM WATER
WW– WASTE WATER

PROJECT INFORMATION

CONTRACT/P.O. NO.:
PROJECT: 1200 Park St, Alameda, CA
PROJECT NUMBER: C66423.02
PROJECT MANAGER: Paul Dotson

NOTES ON RECEIVED CONDITION:
☐ CUSTODY SEAL(S) BROKEN ☐ SAMPLE(S) DAMAGED
☐ ON ICE ☐ AMBIENT TEMP. ☐ INCORRECT PRESERVATION

ANALYSIS REQUESTED

LAB USE	CLIENT SAMPLE ID	DATE	TIME	TYPE	TPHd	TPHmo/D	SVOCs (8270) SIM	VOCs (8260)	CAM 17 metals	PCBs	LUFT 5 metals					System Number / Station Code
1	B1-10'	4/17/16	0835	SL	X	X	X		X	X						
2	B2-11.5'		0923		X	X	X		X	X						
3	B3-11'		0952		X	X	X		X	X						
4	B4-10'		1035		X	X	X		X							
5	B5-10'		1330		X	X	X		X	X						
6	B6-10.5'		1403		X	X	X	X	X							
7	B7-10'		1605		X	X		X			X					
8	B8-10'		1623		X	X		X			X					
9	B9-10'		1653		X	X		X			X					
10	B10-10'		1730		X	X	X	X	X							

COMMENTS/ADDITIONAL INSTRUCTIONS:
Groundwater Samples Filtered w/ 0.45 um Filter Prior to Filling CAM 17 Metal Containers

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
	MTA	4/18/16	13:35		
		4-18-16	1335		MTA

MOORE TWINING ASSOCIATES, INC

CHAIN OF CUSTODY/ANALYSIS REQUEST

2527 FRESNO STREET • FRESNO, CA 93721 • PHONE (559) 268-7021 • FAX: (559) 268-0740

ANALYTICAL CHEMISTRY DIVISION
CALIFORNIA ELAP CERTIFICATION # 1371

WORKORDER #: CD18037
PAGE 2 **OF** 3

REPORT TO: ☐ INVOICE TO: ☐ REPORT COPY TO:

ATTENTION:	ATTENTION:
NAME:	NAME:
ADDRESS: SEE	ADDRESS: Pg 1
PHONE:	PHONE:
FAX:	FAX:

REPORTING :
☐ STANDARD FORMAT
☐ EDT (STATE FORM)
☐ GEOTRACKER/COELT (LUFT)
☐ PDF ☐ EXCEL
☐ County DHS :
☐ Environmental Health Agency :
☐ OTHER :

SAMPLE INFORMATION
SAMPLED BY (PRINT): Keith Mayes
SIGNATURE:
☐ PUBLIC SYSTEM ☐ ROUTINE
☐ PRIVATE WELL ☐ REPEAT
☐ OTHER ☐ REPLACEMENT
TURN AROUND TIME: ☐ RUSH, DUE ON:
☒ STANDARD

SAMPLE TYPES:
SOLID:
BS – BIOSOLID
CR – CERAMIC
SL – SOIL/SOLID
LIQUID:
DW - DRINKING WATER
GW - GROUND WATER
OL - OIL
SF - SURFACE WATER
ST - STORM WATER
WW – WASTE WATER

PROJECT INFORMATION
CONTRACT/P.O. NO.:
PROJECT :
PROJECT NUMBER: SEE Pg 1
PROJECT MANAGER:

LAB USE
NOTES ON RECEIVED CONDITION:
☐ CUSTODY SEAL(S) BROKEN ☐ SAMPLE(S) DAMAGED
☐ ON ICE ☐ AMBIENT TEMP. ☐ INCORRECT PRESERVATION

ANALYSIS REQUESTED

	CLIENT SAMPLE ID	DATE	TIME	TYPE	TPHg	TPHmo/d	SVOCs (8270) SIM	VOCs (8260)	Cam-17 metals	PCBs	LUFT 5 metals				System Number / Station Code
11	B11-10'	4/17/16	1803	SL	X	X		X			X				
12	B12-10'		1855	SL	X	X	X	X	X						
13	B-1 GW		1105	GW	X	X	X	X	X						
14	B-5 GW		1520	GW	X	X	X	X	X						
15	B-6 GW		1403	GW	X	X	X	X	X						
16	B-10 GW		~~1840~~ 1840	GW	X	X	X	X	X						
17	B-12 GW		~~2000~~ 2000	GW	X	X	X	X	X						

COMMENTS/ADDITIONAL INSTRUCTIONS:

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
	MTA	4/18/16	13:35		
		4-18-16	1775		MTA

Moore Twining Associates

Sample Integrity — Page 3 of 3 — WO# CD18037 — MTA Bottles: Yes or No

COC Info

Was temperature within range? Chemistry ≤6°C Micro <10°C Temp 4.5 °C	Yes No N/A	Did all bottle labels agree with COC?	Yes No N/A
If samples were taken today, is there evidence that chilling has begun? Recvd 4.5 C°	Yes No N/A	Was a sufficient amount of sample received?	Yes No N/A
Did all bottles arrive unbroken and intact?	Yes No N/A	Were correct containers and preservatives received for the tests requested?	Yes No N/A
Do samples have a hold time <72 hours?	Yes No N/A		

	Were there bubbles in VOA vials? (**Volatiles Only**)	Yes No N/A
	Was PM notified of discrepancies? PM: By/Time:	Yes No N/A

Bottles Received

125ml (A) 250ml (B) 1Liter (C) 40ml VOA (V)	1	2-12	13	14-17												
Bacti $Na_2S_2O_3$																
None (P)																
Cr6 Buffer (P) Borate Carbonate Buffer																
HNO_3 (P)			1-A	1-A												
H_2SO_4 (P)																
NaOH (P)																
NaOH+ZnAc (P)																
Dissolved Oxygen 300ml (P)																
None (AG)	1-V	1-V	2-C	3-C												
None (CG) 500ml																
$Na_2S_2O_3$ 250ml (Brown P) 549																
$Na_2S_2O_3$ (AG)																
$Na_2S_2O_3$ (AG)																
Thio/K Citrate																
NH_4Cl (AG) 552																
HCl (AG)			4-V	4-V												
None (CG) 500ml																
H_3PO_4 (AG)																
Other:																
Plastic Bag																
Low Level Hg/Metals Double Bag																
Client Own																
Glass Jar: 125/ 250/ 500																
Soil Tube: Brass/ Steel/ Plastic	1	1														
5 g Encore																

Filter or Split

	Container	Preservative	Date/Time/Initials
S P F	VOA	-0-	4.8.16 820 RS
S P F			
S P F			
S P F			
S P F			

Labeled by: MB @ 1531 — Labels checked by: DR @ 1715

FL-SC-0003-06

File 3-0955

Chevron U.S.A. Inc.

Contract

Chg: 6-30-X-X-7-4140-60050955

Contract Number WC 432

Chevron U.S.A. Inc. hereafter referred to as COMPANY, and the undersigned, hereafter identified as CONTRACTOR, hereby mutually agree on April 21, 19 78, that CONTRACTOR shall perform for COMPANY, at or near SS#3-0955 1200 Park St. Alameda, County of Alameda, State of California, the work set forth in Specification No. Scope of Work, dated April 12, 1978 and entitled

Remove tanks canopy pumps, pump blocks, sign column, and pave over all excavated areas as per our scope of work.

as an improvement to real property of COMPANY by affixing thereto whatever materials are involved therein so as to become an integral part of such real property, under the Terms and Conditions hereof, and in accordance with the above specification, which Terms and Conditions and Specification, attached hereto, are part of this Agreement.

COMPANY shall pay CONTRACTOR, in accordance with statements prepared by contractor a compensation of Thirty-nine hundred and forty-nine and no/100 Dollars ($3949.00) per your written bid of $3,599.00 of April 17, 1978 and your verbal bid of $350.00 to remove and junk canopy and columns of April 21, 1978.

MAY 15 1978 ERP $ 3,949.00

The work shall be commenced immediately diligently prosecuted, and completed April 28, 1978

A payment and performance bond in terms and executed by a surety company satisfactory to COMPANY shall be furnished to COMPANY in the sum of
(No bond required unless an amount is entered above.)

CONTRACTOR Eagan & Paradiso Const. Co.

By _____

And _____

Witness _____

CONTRACTOR'S State License No. _____
(Where required by State Law)

Communications to CONTRACTOR should be addressed to the attention of
Mr. Bob Eagan
Eagan & Paradiso Const. Co.
9220 G. Street
Oakland, CA 94603

Chevron U.S.A. Inc.

By _____

And _____

Communications to COMPANY should be directed to the attention of
Mr. Al Robinson
Chevron U.S.A. Inc.
P.O. Box 2569
Oakland, CA 94614

Facility Completed				Superintendent or Foreman	
Invoice No.	Date	Amount	Date Received	Charge Account No.	Job No.
Remarks					

Note: If CONTRACTOR is incorporated, execution shall be by an authorized officer of the corporation and corporate seal affixed and attested to by the Secretary. If CONTRACTOR is not incorporated, signatures should be witnessed by an employee of COMPANY, if practicable; if not, by a disinterested party.

GO-279-WOI (CD-1-77)
Printed in U.S.A.

...oller/Attn: E. E. Severson
...st Central Division

Date 4-10-78

S.S. # 3-0955

Streets PARK V. SAN JOSE

City ALAMEDA

We propose abandoning the subject service station and require the assistance of an Engineer to complete the proposed work.

In accordance with agreements and F.E.A. approval to abandon, the station must be removed from the site not later than 4-30-78 (Date).

Specific items to remove are:

Buildings	NO	Replace Approaches	NO
Tanks	YES	With Curb, Gutter & Sidewalk	NO
Underground Piping	NO	Remove Yard Paving and Grade	NO
Yard Lighting	NO		
Fence	NO		
Plant Curbs	NO		
Foundations PUMP ISLANDS	YES		

Remove Identification not later than A.S.A.P.

The following equipment is the property of Lessor and must remain on the site:

BUILDINGS & ALL EQUIPMENT INSIDE SOLD TO @ LESSOR

We believe that special treatment of adjoining property must be considered (Explain):

NO

REMOVE CANOPY & PUMP ISLANDS AND B PAVE EXPOSED AREA.

and wish to visit the site with an Engineer, _____ (Date).

R.H. Rieker

J. H. Ough:

The subject station abandonment was completed on _____.

D. Moller/D. E. Severson _____

JONMENT OF SS 955 PARK ST & SAN JOSE
ALAMEDA CA

SCOPE OF WORK

FACILITIES	DISPOSITION OF FACILITIES	TANK	COUNTY SALVAGE	COMPANY SALVAGE
Pumps-Dispensers	Remove X Relocate ___ Storehouse X			X
Air Compressor	REMAIN. Remove ___ Relocate ___ Storehouse ___			
Hoists	REMAIN Remove ___ Relocate ___ Storehouse ___			
Lube Oil-Solvent Tanks	REMAIN Remove ___ Relocate ___ Storehouse ___			
Signs	TO BE REMOVED BY OTHERS Remove ___ Relocate ___			X
Other Equipment	BUILDING & ALL ITS CONTENTS TO REMAIN			X
CANOPY & CANOPY COLUMNS	TO BE REMOVED BY OTHERS			X
Light Fixtures & Light Poles	Remove ___ Remain X			X
Foundations	Remain ___ Remove ___ Remove to grade X			
Sign Footings	Remain ___ Remove ___ Remove to grade X			
Poles SIGN	Remove ___ Cut off at grade, fill with conc. X		X	
Fences	Remain X Remove ___ Remove to grade ___			
3 5000G GASOLINE Underground Tanks 1-550 G(?) WASTEOIL	Remain ___ Remove X (Remove Gas free tanks, backfill, & compact to 95%) Pave X Rock ___		X	
All Underground Piping	Remain X Remove ___ Cut off below grade ___			
Concrete Slabs at Grade	Remain X Remove ___ Pave ___ Rock ___			
Raised Conc. Curbes-Slabs	Remain ___ Remove X Pave X Rock ___ Remove to grade ___			
A.C. Yard Paving	Remain X Remove ___ Overlay ___			
Sidewalks-Conc. or AC	Remain X Replace w/new ___			
Approaches-Conc. or AC	Remain X Replace w/new SW, C&G ___			
Curbs Gutter Conc or AC	Remain X Replace w/new ___			
Other Paving	REMAIN			
Secure Site NO				

November 10, 1988

Alameda County Environmental Health
Attn: Mr. Rafat Shahid
470 - 27th Street, Room 324
Oakland, California 94612

Re: Former Chevron Service Station #9-0955
1200 Park Street
Alameda, California

Gentlemen:

Chevron removed one 490 gallon underground waste oil tank from this site on September 27, 1988. Attached is the Blaine Tech. Services, Inc. sampling report.

The soil sample from the waste oil tank showed non-detectable levels of total oil and grease (modified EPA 503E) and non-detectable levels of high boiling hydrocarbons at 9' below grade.

Based on the above information, we plan no further action at this site. If you have any questions, call Lisa Marinaro at (415) 842-9527.

Very truly yours,

D. MOLLER

By Lisa Marinaro
Lisa Marinaro
Engineer

LAM:vjs:QK2-21
Attachment

cc: Mr. Marvin Helms
Alameda Fire Department
1300 Park Street
Alameda, California 94501

bcc: Ms. A. M. Meier
Mr. John Ough

BLAINE
TECH SERVICES INC.

1370 TULLY RD., SUITE 505
SAN JOSE, CA 95122
(408) 995-5535

October 4, 1988

Chevron USA, Inc.
2410 Camino Ramon
San Ramon, CA 94583

Attn: Lisa Marinaro

SITE:
CHEVRON SERVICE STATION NO. 0955 Abandonment
1200 PARK STREET
ALAMEDA, CALIFORNIA

PROJECT:
TANK REMOVAL SAMPLING

SAMPLED ON:
SEPTEMBER 27, 1988

TANK REMOVAL SAMPLING REPORT 88271-M-1

This report describes the initial environmental sampling and documentation performed by our firm on this project. In addition to the Sampling Report text itself, supporting documents are provided as attachments. These include the chain of custody and the certified analytical laboratory report. All these documents should be kept together and preserved as a file of interrelated records which, together, comprise the documentation of the work performed at the site. If additional work is required, then a cumulative report format will be followed so that all information on the various phases of work at the site can be easily reviewed.

THE SCOPE OF WORK

In accordance with your request, field personnel would be dispatched to the site to observe the tank removal, collect samples, arrange for the proper analyses of the samples and maintain adequate documentation resulting in the issuance of a formal Sampling Report. The collection of environmental samples was to be performed in accordance with the requirements of the State Water Resources Control Board, Regional Water Quality Control Board, and the specific directions of the Local Implementing Agency (LIA) inspector present at the site at the time of removal.

EXECUTION OF THE TANK REMOVAL SAMPLING

Personnel from our office were present at the subject site for the tank removal on Tuesday, September 27, 1988.

TANK I.D.	TANK SIZE IN GALLONS	TANK CONTENT	MATERIAL OF CONSTRUCTION	INSPECTION FOUND
WO	490	WASTE OIL	STEEL	TWO HOLES

The subject site is located within the overall jurisdiction of the Regional Water Quality Control Board -- San Francisco Bay Region. Initial inspection and evaluation of the site is customarily conducted by the local implementing agency (LIA), which in this case was the Alameda Fire Dept. The local implementing agency was represented by Captain Marvin Helms, who was present to observe the tank removal and sampling.

In accordance with the local regulations and the field judgement of the LIA representative, a detailed inspection was conducted in which the tank was visually inspected and likely failure points were probed with small pointed metal examination tools. The inspection found two holes in the waste oil tank. The size and location of all such holes or failure points will be found on the UNDERGROUND STORAGE TANK REMOVAL AND SAMPLING LOG sheet.

Under the direction of Captain Marvin Helms one standard interface sample was taken from each end of the waste oil tank at 9'. These samples were designated as sample #1 and sample #2. At the request of Lisa Marinaro two more precautionary samples were taken at 11' and were designated as samples #1A and #2A. Samples #1A and #2A were placed on hold at the lab pending the results of samples #1 and #2.

Information on the exact location of a particular sampling point will be found on the UNDERGROUND STORAGE TANK REMOVAL AND SAMPLING LOG and the TABLE OF SAMPLING LOCATIONS AND ANALYTICAL RESULTS. The location of individual sampling points is shown on DIAGRAM TWO. Additional information on the exact method of sample collection will be found in the SAMPLING METHODOLOGY section of this report.

After completion of the field work, the sample containers were delivered to Anametrix Incorporated in San Jose, California. Anametrix is a California Department of Health Services certified Hazardous Materials Testing Laboratory and is listed as DOHS HMTL #151. It was requested that the analytical procedures used for these analyses be those specified by the Regional Water Quality Control Board -- San Francisco Bay Region. The methods are defined in attachments to the San Francisco RWQCB (Region 2) publication, Guidelines For Addressing Fuel Leaks.

D I A G R A M S & T A B L E S

Graphic and Tabular presentation of all samples

The TABLE OF SAMPLING LOCATIONS AND ANALYTICAL RESULTS relies on a system of designated SAMPLING AREAS which are specific locations on the site which correspond to the fuel dispensing fixtures that were originally in place there. Briefly, the tanks are assigned a letter and a suffix which comprise a descriptive identification. Even when the tanks have been removed, all samples taken in that area of the site are referenced to that particular SAMPLING AREA which can be cross referenced to construction blueprints, permit drawings and similar documents.

DIAGRAM ONE shows the location of key features of the site including streets, property lines, and the location of underground storage tanks. The diagram shows that each tank has been assigned an arbitrary letter designation (Tank A, Tank B etc.). This simplifies communications concerning a particular tank by providing a nomenclature that does not rely on descriptions by size and tank contents.

DIAGRAM TWO shows a finer level of detail. A descriptive suffix is added to the tank identification letter, in order to designate a SAMPLING AREA at that particular end of that tank. For example, Tank A is given an F suffix to indicate the fill pipe end and AF is used to define the area in which samples are taken. The opposite end of the tank from the fill pipe is given an OP suffix, and that SAMPLING AREA is, thereafter, referred to as Aop. The approximate midpoint of the tank is given an M suffix if a sample is taken from that location.

The relationship between a given tank and its sample collection points is more precisely illustrated in the UNDERGROUND STORAGE TANK REMOVAL AND SAMPLING LOGS. A log sheet is filled out for each of the tanks that was removed from the site. The log sheets contain end views and cross sections of each tank which graphically depict the SAMPLING AREAS at each end of that tank. Whenever holes are discovered in a tank during either removal or a post-removal inspection, the location of the holes is indicated on the TSR projection.

DIAGRAM ONE

MAP REF: THOMAS BROS.
ALAMEDA COUNTY
P.11 D-5

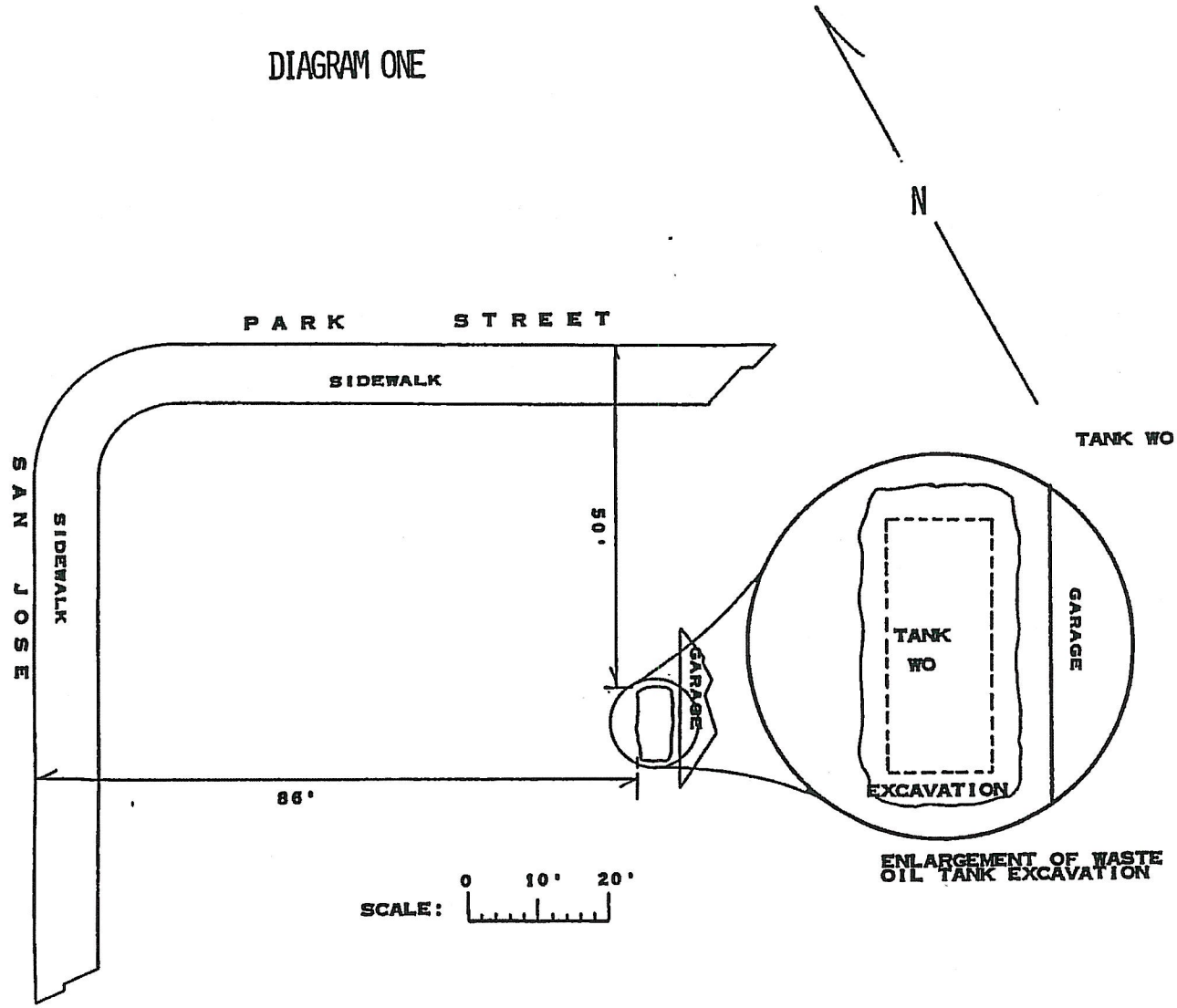
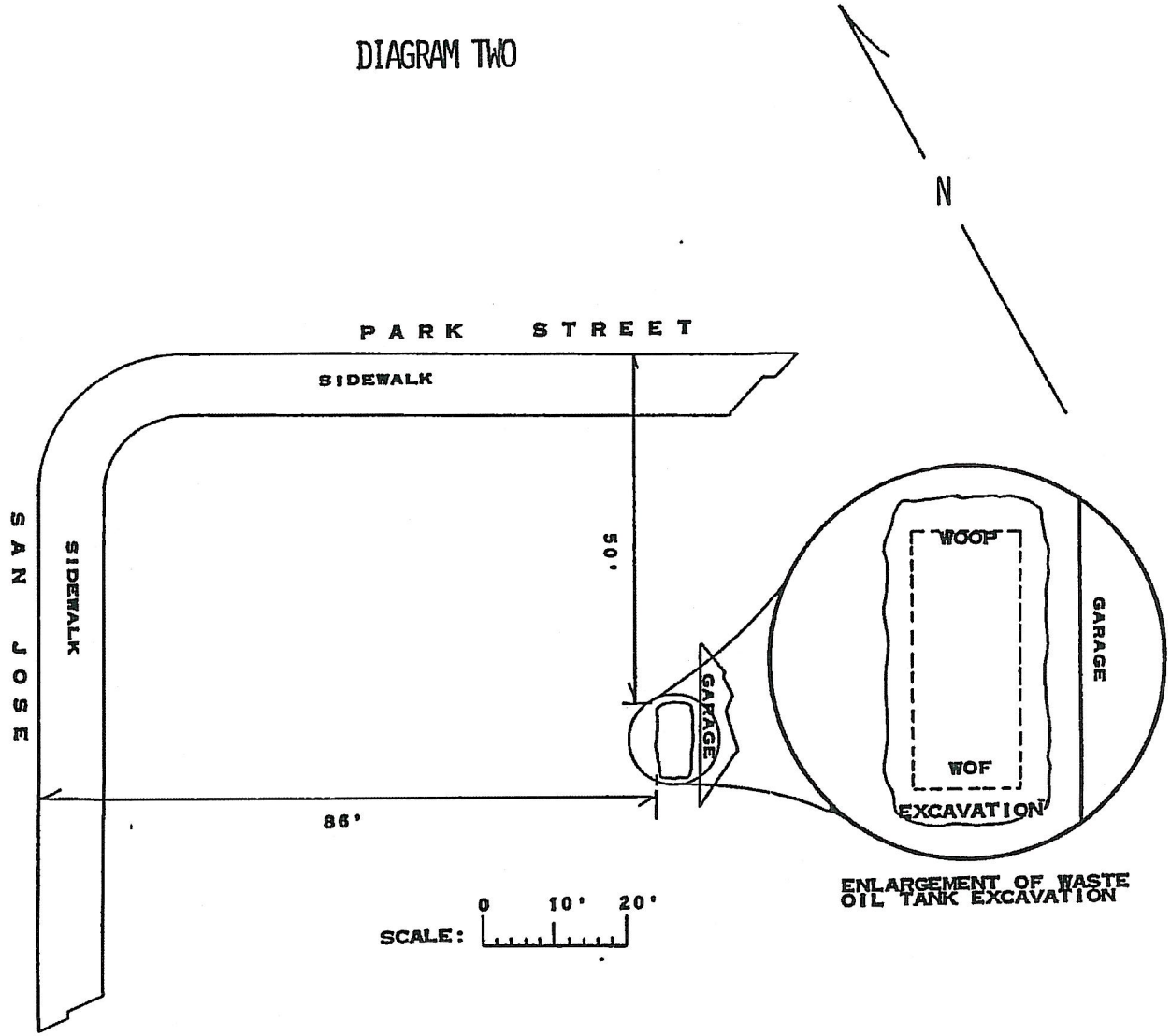


DIAGRAM TWO

MAP REF: THOMAS BROS.
ALAMEDA COUNTY
P.11 D-5



ENLARGEMENT OF WASTE
OIL TANK EXCAVATION

SAMPLING PERFORMED BY
MARGO MACKEY

DIAGRAMS PREPARED BY
BRENT ADAMS

TABLE OF SAMPLING LOCATIONS AND ANALYTICAL RESULTS

I.D. GIVEN THIS SAMPLE AREA	SAMPLE DEPTH IN FT. BELOW GRADE	SAMPLING LOCATION DICTATED BY	TYPE & METHOD FOR THE SAMPLE OBTAINED	SAMPLE MATRIX	DATE SAMPLED	BTS CHAIN OF CUSTODY I.D.	BTS SAMPLE I.D.	NAME OF DOHS HMTL LABORATORY	LABORATORY SAMPLE I.D.	ANALYTICAL RESULTS (PARTS PER BILLI PPM TPH-HBP DIESEL	PPM TOTAL OIL & GREASE	PPB EPA 8240 COMPOUNDS
WoF	9'	LIA/ELEC	INTERFACE	SOIL	9/27/88	88271-M-1	#1	ANAMETRIX	8809211-01	ND	ND	ND
	11'	ELECTIVE	INTERFACE	SOIL	9/27/88	88271-M-1	#1A	ANAMETRIX	8809211-02	PLACED ON HOLD		
Woop	9'	LIA/ELEC	INTERFACE	SOIL	9/27/88	88271-M-1	#2	ANAMETRIX	8809211-03	ND	ND	ND
	11'	ELECTIVE	INTERFACE	SOIL	9/27/88	88271-M-1	#2A	ANAMETRIX	8809211-04	PLACED ON HOLD		

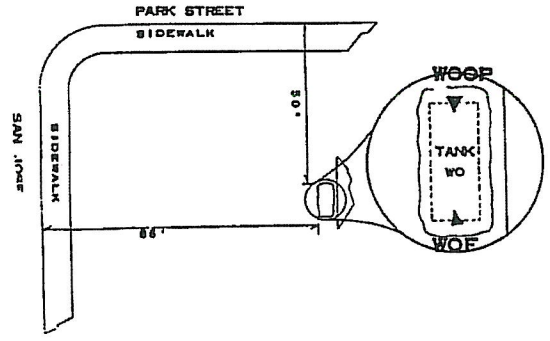
BLAINE
TECH SERVICES

UNDERGROUND STORAGE TANK
REMOVAL AND SAMPLING LOG

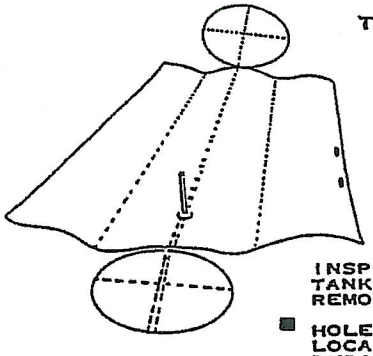
TANK WO

TANK **WO**

TANK WO 490 GALLON WASTE OIL TANK
STEEL CONSTRUCTION



SITE DIAGRAM

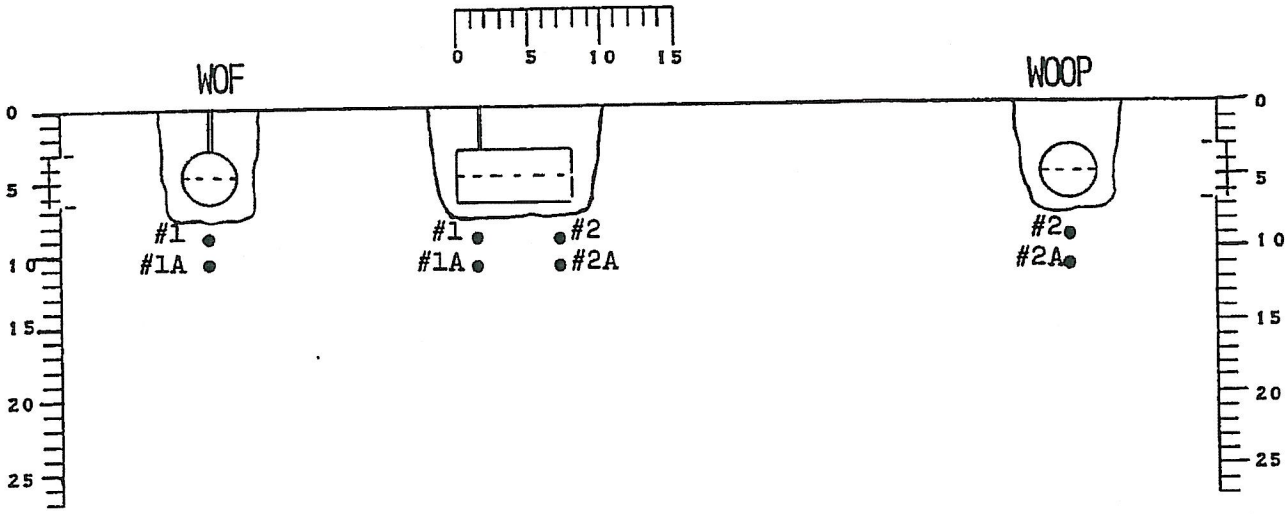


TSR PROJECTION

INSPECTION OF THE TANK FOLLOWING REMOVAL FOUND

■ HOLES IN THE LOCATIONS DEPICTED ON THE TSR PROJECTION

□ NO HOLES



I.D. GIVEN THIS SAMPLE AREA	SAMPLE DEPTH IN FT. BELOW GRADE	SAMPLING LOCATION DICTATED BY	TYPE & METHOD FOR THE SAMPLE OBTAINED	SAMPLE MATRIX	DATE SAMPLED	BTS CHAIN OF CUSTODY I.D.	BTS SAMPLE I.D.	NAME OF DOHS RMTL LABORATORY	LABORATORY SAMPLE I.D.	ANALYTICAL RESULTS (PARTS PER BILLION) PPM TPH-HBP DIESEL	PPM TOTAL OIL & GREASE	PPB EPA 8240 COMPOUNDS
WoF	9'	LIA/ELEC	INTERFACE	SOIL	9/27/88	88271-M-1	#1	ANAMETRIX	8809211-01	ND	ND	ND
	11'	ELECTIVE	INTERFACE	SOIL	9/27/88	88271-M-1	#1A	ANAMETRIX	8809211-02	PLACED ON HOLD		
Woop	9'	LIA/ELEC	INTERFACE	SOIL	9/27/88	88271-M-1	#2	ANAMETRIX	8809211-03	ND	ND	ND
	11'	ELECTIVE	INTERFACE	SOIL	9/27/88	88271-M-1	#2A	ANAMETRIX	8809211-04	PLACED ON HOLD		

P R O C E D U R E S

Methodologies and Conventions

GENERAL PRACTICES WITHIN A MULTIPLE AGENCY HIERARCHY

U.S. Environmental Protection Agency standards serve as the foundation for all field sampling operations performed by our firm. The EPA SW 846 is the primary publication from which procedures are derived, though there are additional EPA sources such as training films and verbal communications. Sampling related to underground storage tanks and tank related threats to groundwater are governed by the California Water Resources Control Board and its Regional Water Quality Control Boards. While some aspects of field and laboratory work may be delegated to the California Department of Health Services, the CWRCB and the nine Regional Water Quality Control Boards establish the general and specific criteria for sampling performed in connection with underground storage tanks. This is done through the publication of guidance documents, the issuance of memoranda, and verbal announcements.

Other agencies, such as Air Pollution Control Districts, may require additional samples, but these are usually in addition to samples required by the RWQCB. Local implementing agency (LIA) inspectors are frequently present during the tank removal phase of a project and either direct or request that samples be taken according to RWQCB specifications. Additional samples may, and frequently are, taken at the request of the LIA inspector.

Based on field conditions directly observable by the LIA inspector, our field personnel may be asked to collect samples that are tailored to the specific situation and which the inspector judges will provide substantial information about the site. Quite often these directions or suggestions coincide with the sampling areas established by the RWQCB as the proper collection points for samples which will be used as the Primary Criteria for a Regulatory Agency Determination on whether additional exploration or remediation will be required at a particular site. Similarly, there are instances when the LIA inspector's judgements do not coincide with Board specifications.

Two common examples of this are as follows:

1. A local implementing agency inspector notes that soil dug up from the correct RWQCB interface sampling point is relatively clean, but observes that there is quite obviously contaminated backfill underlying the center of the tank. The inspector directs that the contaminated backfill should be taken instead of the clean interface soil so as to provide information about the "worst case" conditions within the tank pit.

2. The soil at the specified interface sampling depth is found to be slightly contaminated, but much less so than the soil only a few inches above. Noting the relatively dense soil, the local implementing agency inspector decides not to have the interface soil sampled and has the backhoe dig deeper to see

if the contamination diminishes to acceptable levels. This exploration saves the property owner the cost of running two samples at that location, and enables the inspector to directly observe the condition of the deeper soil.

In both examples, different material is collected in lieu of a standard RWQCB interface sample. Further, the material collected is substantially different from what would have been obtained by taking representative soil at the Board specified sampling location. Note that both of these samples were taken at the direction of the local implementing agency inspector who was present at the site and elected to select alternative sampling locations. Note too, that these alternative samples may provide more information about the site than standard Board specified samples. However, as the LIA elected samples do not accurately reflect soil conditions at the sampling points specified by the RWQCB, the decision making process may be hampered.

Clearly there is no advantage in limiting the ability of the regulator in the field to make prudent judgements. Likewise, regulatory personnel and consultants who will review the reports without benefit of having been present at the site need to know that the samples taken were not obtained at the standard locations. A simple resolution to these situations is a brief notation indicating that the sampling was elective rather than in accordance with a standard Board specification. These notations appear in the third column of the TABLE OF SAMPLING LOCATIONS AND ANALYTICAL RESULTS. By referring to the notations in column three and four in the TABLE, any party reviewing the report should be able to determine if something other than Board standard samples were obtained, and when variant sampling was performed, clarify whether it was elected by the LIA inspector, elected by our field personnel, or the result of some physical condition at the site that made it impossible to obtain material from the correct sampling location.

SAMPLING METHODOLOGIES USED ON THIS PROJECT

STANDARD RWQCB INTERFACE SAMPLE: The tank removal sampling followed the standard protocol for obtaining interface samples. These samples fall into the category of samples which are known to be of primary concern to the interested regulatory agencies for determining if additional action will be required at a site and the methodology has been closely defined in state and RWQCB publications, supplements, and presentations. These specify both the acceptable depth and lateral situation of sample collection points. In accordance with these specifications, sample collection is executed as close as possible to the center line (longitudinal axis) of the tank and on a vertical axis with the fill pipe. A corresponding location is also found at the opposite end of the tank whenever standard interface samples are being collected.

Briefly, the method consists of digging up native soil from directly below the fill pipe and the corresponding opposite end of the tank and obtaining a sample from the backfill/native soil interface or a short distance below the interface. In the case of tanks less than 1,000 gallons in capacity, only

one sample from beneath the tank is required. A short distance has been defined by Region 2 Board engineers as not greater than twenty-four inches below the backfill/native soil interface and is generally taken to be one foot below the the backfill/native soil interface. This soil is brought up in the backhoe bucket. A shovel or trowel is used to cut away surface soil and backfill material which may have been included in the bucket, and the sample is taken by pushing or driving a brass sample liner into the newly exposed soil from the designated depth and location. Additional clarifications by Region 2 Board engineers have indicated that when there is an obvious difference in the relative contamination of soil brought up from the interface depth, then it is the relatively more contaminated soil that should be selected for inclusion in the sample.

ELECTIVE EXPLORATORY SAMPLES: This type of sampling employs the same sample collection and handling procedures as are used in standard RWQCB interface sampling, but soil is typically obtained at a greater depth or from a position that is laterally offset from the interface location.

SAMPLE CONTAINERS

Our firm uses new sample containers of the type specified by either EPA or the RWQCB for the collection of samples at sites where underground storage tanks are involved. Soil samples for volatile, semivolatile and nonvolatile analyses are all collected in properly prepared new brass liners which are 2 inches in diameter by 4 inches in length. Closure is accomplished with press fit plastic end caps which are fitted to the open ends of brass tube after a sheet of aluminum foil is wrapped over the exposed sample material. A non-contributing/nonsubtractive tape is wrapped completely around the joint areas where the plastic caps meet the outer wall of the brass tube. No preservative other than cold storage is used on samples captured in sample containers of this type.

SAMPLE HANDLING PROCEDURES

Solid sample material is captured by advancing the liner into the soil. This may be done by pushing the liner into soft soils or by containing the liner in a drive shoe which can be advanced and then retracted by means of a slide hammer. The open ends of the sample liner are covered with aluminum foil and plastic end caps. Excess aluminum foil is removed and the edge of the plastic end caps is tightly sealed against the outer surface of the brass liner with an unbroken wrap made with a tape which has been tested to confirm that it does not contribute compounds that would be detected in the type of analyses intended for the sample contained inside of the brass liner. The brass liner is then labeled with the appropriate identification numbers which specify the sampling activity designation number, sample collection area, depth etc. that apply to that particular sample. The sample liner is then placed in an ice chest which contains pre-frozen blocks of an inert ice substitute such a Blue Ice or Super Ice.

SAMPLE DESIGNATIONS

All samples containers are identified with both an activity number and a discrete sample identification. Please note that the activity number is the number that appears on our chain of custody. It is roughly equivalent to a job number, but applies only to work done on a particular day of the year rather than spanning several days as an actual activity often does. This is followed by the sample I.D. number which is usually a simple number such as #1, #2, #3.

CHAIN OF CUSTODY

Samples are continuously maintained in either a chilled ice chest, refrigerator, or freezer from the time of collection until acceptance by the State certified Hazardous Materials Testing Laboratory selected to perform the analytical procedures. If the samples are taken charge of by a different party (such as another person from our office, a courier, etc.) prior to being delivered to the laboratory, appropriate release and acceptance records are made on the chain of custody (time, date, and signature of person releasing the samples followed by the time, date and signature of the person accepting custody of the samples).

LABORATORY IDENTIFICATION NUMBERS

Following receipt of the samples and completion of the Chain of Custody form, the laboratory then assigns their own identification numbers to the samples. Different laboratories use different numbering systems and, according to their own internal conventions, may or may not assign sequential numbers to samples which are placed on temporary "hold", pending the results of other analyses. Laboratory identification numbers (if assigned and available) are included in the TABLE, and will be found on the certified analytical report by the analytical laboratory.

CERTIFIED ANALYTICAL REPORT

The certified analytical report (CAR) generated by the laboratory is the official document in which they issue their findings. The Results of Analyses section of the TABLE OF SAMPLING LOCATIONS AND ANALYTICAL RESULTS should correspond exactly with the laboratory's CAR. Any discrepancy between analytical values should be decided in favor of the CAR, for while it may, itself, be in error with regard to a particular number, the CAR remains the recognized document until such time as it is amended with a corrected report.

The certified analytical report should also be reviewed when samples are taken from below waste oil tanks as <u>any</u> detection of the EPA halogenated and purgeable aromatic compounds may be grounds for requiring further action. Also the TABLE OF SAMPLING LOCATIONS AND ANALYTICAL RESULTS is insufficiently spacious to allow anything more that a simple listing of the detected compounds. The TABLE does not include such information as the detection

limits at which other compounds were not detected. The full text of the laboratory report will be found in Section Four of this report.

GENERAL ADVISORY ON POSITIVE RESULTS

Though our firm specializes in sampling, monitoring and documentation, rather than interpretation and remediation, we have been asked by the engineering staff of the Regional Water Quality Control Board to include in our reports an advisory section outlining the general type of additional actions which may be required when contamination is found. This advisory is not intended to characterize conditions at this particular site or replace the services of a consulting firm specializing in the investigation, characterization and remediation of such conditions as may exist. Rather, it is intended to advise you that such additional actions may be required even though some time may elapse before you are contacted by one of the interested regulatory agencies.

In Region 2 (which is regulated by the San Francisco Regional Water Quality Control Board), the thresholds are readily defined in the Board's publication, Guidelines For Addressing Fuel Leaks. According to this document, soil which has less than 100 parts per million total petroleum fuel hydrocarbon (TPH) contamination does not generally require immediate additional action. Board engineers emphasize that this does not mean that some action might not be required in the future. Still, the site is assigned a low priority unless it is situated in an area of high hydrogeologic concern.

The detection of more than 100 ppm TPH in the native soil beneath a tank is generally considered grounds for requiring an additional investigation in the form of soil borings and installation of at least one groundwater monitoring well followed by periodic monitoring. The detection of 1000 ppm TPH is usually viewed by the Board as an unacceptable level of fuel saturation which will mandate excavation of the effected ground down to the furthest practicable reach of conventional excavating machinery followed by soil borings and installation of groundwater monitoring wells.
Other regions use different standards for determining when a groundwater investigation will be required. For example benzene is often used in lieu of TPH. Even very low levels of benzene are often seen as grounds for requiring a subsurface investigation. This criteria may be relaxed or stiffened depending on the location of the site in relation to different groundwater systems, the depth to water, type of soil, and the concentrations of benzene involved.

The above standards apply only to fuels. When samples taken in connection with a waste oil tank or a solvent tank are found to contain even small amounts of any of the EPA priority pollutants (such as TCE, PCE, DCE etc. which are detected by EPA methods 8010, 8020, and 8240) more stringent standards are often applied. In these cases, soil borings and monitoring well installation may be required if there is any detectable amount of any of the EPA priority pollutant compounds.

When contaminants are found to have reached the water underlying a site, the Board customarily requires that additional work be undertaken in order to define the extent of the contamination.

REPORTAGE

Submission to the Regional Water Quality Control Board and the local implementing agency should include copies of the sampling report, the chain of custody, and the certified analytical report issued by the Hazardous Materials Testing Laboratory. The property owner should attach a cover letter and submit all documents together in a package.

The following addresses have been listed here for your convenience:

Water Quality Control Board
San Francisco Bay Region
1111 Jackson Street
Room 6040
Oakland, CA 94607
ATTN: Leslie Ferguson

Alameda Fire Dept.
1300 Park Street
Alameda, CA 94501
ATTN: Captain Marvin Helms

Please call if we can be of any further assistance.

Sincerely,

Sigrid A. Blaine

for Richard C. Blaine

RCB/rp

attachments: supporting documents

L A B O R A T O R Y R E S U L T S

Supporting documents

This section contains the following:

CHAIN OF CUSTODY
ANAMETRIX INCORPORATED LAB REPORTS
TABLE OF SAMPLING LOCATIONS AND ANALYTICAL RESULTS

BLAINE
TECH SERVICES INC

1370 TULLY ROAD SUITE 505
SAN JOSE, CA 95122
(408) 995-5535

CHAIN OF CUSTODY # 8827MM1

SITE SPECIFICATION Chevron #0955 ②
1200 Park St
Alameda

( ) Bill BLAINE TECH SERVICES, Inc.
(X) Bill Chevron

SPECIAL INSTRUCTIONS
If analysis to detect" is to be changed, Brenda of BTS will call by 5:00 P.M. 9/27.

SAMPLE I.D.	QUANTITY	TYPE	OK	ANALYSIS TO DETECT	STATUS	RESULTS	LAB NUMBER
#1	1	SOIL		TOG, TPH, HBF, 8240	48 hr.		8809211
#1A	↓	↓		↓	HOLD		
#2					48 hr.		
#2A	↓	↓		↓	HOLD		

Field sampling was performed by Marg Mackey

Sampling was completed at 2:30 AM/PM 9-27-1988

RELEASE OF SAMPLES FROM (name,time,date) ---->>>>> INTO THE CUSTODY OF (name,time,date)

from M Mackey @ 3:90 AM/PM 9/27 -88 -> to Taylor Newman @ 3:40 AM/PM 9/27 -88

from _____ @ : AM/PM -88 -> to _____ @ : AM/PM -88

from _____ @ : AM/PM -88 -> to _____ @ : AM/PM -88

The laboratory designated to perform these analyses is: Anametrix DHS #MTL #_____
NOTE: Procedures and detection limits must confrom to RWQCB Region ___ specifications.
Please include chain of custody number and site specification on reports and invoices.

ANAMETRIX, INC.
LABORATORY SERVICES
ENVIRONMENTAL • ANALYTICAL CHEMISTRY
1961 CONCOURSE DR., SUITE E • SAN JOSE, CA 95131
TEL: (408) 432-8192 • FAX: (408) 432-8198

Lisa Marinaro
Chevron U.S.A., Inc.
2 Annabel Ln., Ste. 200
San Ramon, CA 94583

September 30, 1988
Work Order Number 8809211
Date Received 09/27/88
Release No. 48
Chevron Station #0955
1200 Park St., Alameda, CA
Blaine Tech Project # 88271M1

Dear Ms. Marinaro:

Four soil samples were received for analysis of:
1) Volatiles by GC/MS,
2) total extractable hydrocarbons as diesel by GC and
3) total oil and grease by gravimetric analysis,
using the following method(s):

ANAMETRIX I.D.	SAMPLE I.D.	METHOD(S)
8809211-01	9-0955 #1	8240/8015/503E
-02	" #1A	HOLD
-03	" #2	8240/8015/503E
-04	" #2A	HOLD

RESULTS

See enclosed data sheets, Pages 2 thru 5.

EXTRA COMPOUNDS

None detected.

QUALITY ASSURANCE REPORTS

See enclosed data sheet, Page 6.

If there is any more that we can do, please give us a call. Thank you for using ANAMETRIX, INC.

Sincerely,

Burt Sutherland

Burt Sutherland
Laboratory Director

BWS/dg

cc: Blaine Tech Services

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240
ANAMETRIX, INC. (408) 432-6192

Sample I.D. : 9-0955 #1
Matrix : SOIL
Date sampled : 09-27-88
Date analyzed: 09-28-88
Dilut. factor: NONE

Anametrix I.D. : 8809211-01
Analyst : PG
Supervisor : BLOS
Date released : 09-30-88
Instrument ID : F1

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
74-87-3	* Chloromethane	10	BRL
75-01-4	* Vinyl Chloride	10	BRL
74-83-9	* Bromomethane	10	BRL
75-00-3	* Chloroethane	10	BRL
75-69-4	* Trichlorofluoromethane	5	BRL
75-35-4	* 1,1-Dichloroethene	5	BRL
76-13-1	# Trichlorotrifluoroethane	5	BRL
67-64-1	**Acetone	20	BRL
75-15-0	**Carbondisulfide	5	BRL
75-09-2	* Methylene Chloride	5	BRL
156-60-5	* Trans-1,2-Dichloroethene	5	BRL
75-34-3	* 1,1-Dichloroethane	5	BRL
78-93-3	**2-Butanone	20	BRL
156-59-2	* Cis-1,2-Dichloroethene	5	BRL
67-66-3	* Chloroform	5	BRL
71-55-6	* 1,1,1-Trichloroethane	5	BRL
56-23-5	* Carbon Tetrachloride	5	BRL
71-43-2	* Benzene	5	BRL
107-06-2	* 1,2-Dichloroethane	5	BRL
79-01-6	* Trichloroethene	5	BRL
78-87-5	* 1,2-Dichloropropane	5	BRL
75-27-4	* Bromodichloromethane	5	BRL
110-75-8	* 2-Chloroethylvinylether	5	BRL
108-05-4	**Vinyl Acetate	10	BRL
10061-02-6	* Trans-1,3-Dichloropropene	5	BRL
108-10-1	**4-Methyl-2-Pentanone	10	BRL
108-88-3	* Toluene	5	BRL
10061-01-5	* cis-1,3-Dichloropropene	5	BRL
79-00-5	* 1,1,2-Trichloroethane	5	BRL
127-18-4	* Tetrachloroethene	5	BRL
591-78-6	**2-Hexanone	10	BRL
124-48-1	* Dibromochloromethane	5	BRL
108-90-7	* Chlorobenzene	5	BRL
100-41-4	* Ethylbenzene	5	BRL
1330-20-7	**Total Xylenes	5	BRL
100-42-5	**Styrene	5	BRL
75-25-2	* Bromoform	5	BRL
79-34-5	* 1,1,2,2-Tetrachloroethane	5	BRL
541-73-1	* 1,3-Dichlorobenzene	5	BRL
106-46-7	* 1,4-Dichlorobenzene	5	BRL
95-50-1	* 1,2-Dichlorobenzene	5	BRL

CAS #	Surrogate Compounds	Limits	% Recovery
17060-07-0	1,2-Dichloroethane-d4	85-132%	103%
2037-26-5	Toluene-d8	77-131%	114%
460-00-4	p-Bromofluorobenzene	74-117%	83%

* A Method 624 priority pollutant compound (Federal Register, 10/26/84)
** A compound on the U.S. EPA CLP Hazardous Substance List (HSL)
\# A compound added by Anametrix, Inc. BRL : Below reporting limit.

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : 9-0955 #2
Matrix : SOIL
Date sampled : 09-27-88
Date analyzed: 09-28-88
Dilut. factor: NONE

Anametrix I.D. : 8809211-03
Analyst : PG
Supervisor : BWS
Date released : 09-30-88
Instrument ID : F1

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
74-87-3	* Chloromethane	10	BRL
75-01-4	* Vinyl Chloride	10	BRL
74-83-9	* Bromomethane	10	BRL
75-00-3	* Chloroethane	10	BRL
75-69-4	* Trichlorofluoromethane	5	BRL
75-35-4	* 1,1-Dichloroethene	5	BRL
76-13-1	# Trichlorotrifluoroethane	5	BRL
67-64-1	**Acetone	20	BRL
75-15-0	**Carbondisulfide	5	BRL
75-09-2	* Methylene Chloride	5	BRL
156-60-5	* Trans-1,2-Dichloroethene	5	BRL
75-34-3	* 1,1-Dichloroethane	5	BRL
78-93-3	**2-Butanone	20	BRL
156-59-2	* Cis-1,2-Dichloroethene	5	BRL
67-66-3	* Chloroform	5	BRL
71-55-6	* 1,1,1-Trichloroethane	5	BRL
56-23-5	* Carbon Tetrachloride	5	BRL
71-43-2	* Benzene	5	BRL
107-06-2	* 1,2-Dichloroethane	5	BRL
79-01-6	* Trichloroethene	5	BRL
78-87-5	* 1,2-Dichloropropane	5	BRL
75-27-4	* Bromodichloromethane	5	BRL
110-75-8	* 2-Chloroethylvinylether	5	BRL
108-05-4	**Vinyl Acetate	10	BRL
10061-02-6	* Trans-1,3-Dichloropropene	5	BRL
108-10-1	**4-Methyl-2-Pentanone	10	BRL
108-88-3	* Toluene	5	BRL
10061-01-5	* cis-1,3-Dichloropropene	5	BRL
79-00-5	* 1,1,2-Trichloroethane	5	BRL
127-18-4	* Tetrachloroethene	5	BRL
591-78-6	**2-Hexanone	10	BRL
124-48-1	* Dibromochloromethane	5	BRL
108-90-7	* Chlorobenzene	5	BRL
100-41-4	* Ethylbenzene	5	BRL
1330-20-7	**Total Xylenes	5	BRL
100-42-5	**Styrene	5	BRL
75-25-2	* Bromoform	5	BRL
79-34-5	* 1,1,2,2-Tetrachloroethane	5	BRL
541-73-1	* 1,3-Dichlorobenzene	5	BRL
106-46-7	* 1,4-Dichlorobenzene	5	BRL
95-50-1	* 1,2-Dichlorobenzene	5	BRL

CAS #	Surrogate Compounds	Limits	% Recovery
17060-07-0	1,2-Dichloroethane-d4	85-132%	110%
2037-26-5	Toluene-d8	77-131%	102%
460-00-4	p-Bromofluorobenzene	74-117%	76%

* A Method 624 priority pollutant compound (Federal Register, 10/26/84)
** A compound on the U.S. EPA CLP Hazardous Substance List (HSL)
# A compound added by Anametrix, Inc. BRL : Below reporting limit.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D.	: 9-0955 #1	Anametrix I.D.	: 8809211-01
Matrix	: SOIL	Analyst	: KCT
Date sampled	: 09-27-88	Supervisor	: [illegible]
Date anl. TVH	: NA	Date released	: 09-30-88
Date ext. TEH	: 09-28-88	Date ext. TOG	: 09-28-88
Date anl. TEH	: 09-29-88	Date anl. TOG	: 09-29-88

CAS #	Compound Name	Reporting Limit (ug/kg)	Amount Found (ug/kg)
-	TEH as Diesel	10000	BRL
	Total Oil & Grease	30000	BRL

BRL - Below reporting limit.
TVH - Total Volatile Hydrocarbons is determined by modified EPA 8015 with either headspace or purge and trap.
TEH - Total Extractable Hydrocarbons is determined by modified EPA 8015 with direct injection.
TOG - Total Oil & Grease is determined by Standard Method 503E.
BTEX- Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow CRWQCB Region 2 guidelines.

ANALYSIS DATA SHEET - PETROLEUM HYDROCARBON COMPOUNDS
ANAMETRIX, INC. (408) 432-8192

Sample I.D.	: 9-0955 #2	Anametrix I.D.	: 8809211-03
Matrix	: SOIL	Analyst	: MCT
Date sampled	: 09-27-88	Supervisor	: [illegible]
Date anl. TVH	: NA	Date released	: 09-30-88
Date ext. TEH	: 09-28-88	Date ext. TOG	: 09-28-88
Date anl. TEH	: 09-29-88	Date anl. TOG	: 09-29-88

CAS #	Compound Name	Reporting Limit (ug/kg)	Amount Found (ug/kg)
-	TEH as Diesel	10000	BRL
	Total Oil & Grease	30000	BRL

BRL - Below reporting limit.
TVH - Total Volatile Hydrocarbons is determined by modified EPA 8015 with either headspace or purge and trap.
TEH - Total Extractable Hydrocarbons is determined by modified EPA 8015 with direct injection.
TOG - Total Oil & Grease is determined by Standard Method 503E.
BTEX- Benzene, Toluene, Ethylbenzene, and Total Xylenes are determined by modified EPA 8020.

All testing procedures follow CRWQCB Region 2 guidelines.

ORGANIC ANALYSIS DATA SHEET - EPA METHOD 624/8240

ANAMETRIX, INC. (408) 432-8192

Sample I.D. : METHOD BLANK
Matrix : SOIL
Date sampled : NA
Date analyzed: 09-28-88
Dilut. factor: NONE

Anametrix I.D. : 1CB0928V000
Analyst : PG
Supervisor : BWS
Date released : 09-30-88
Instrument ID : F1

CAS #	Compound Name	Reporting Limit (ug/Kg)	Amount Found (ug/Kg)
74-87-3	* Chloromethane	10	BRL
75-01-4	* Vinyl Chloride	10	BRL
74-83-9	* Bromomethane	10	BRL
75-00-3	* Chloroethane	10	BRL
75-69-4	* Trichlorofluoromethane	5	BRL
75-35-4	* 1,1-Dichloroethene	5	BRL
76-13-1	# Trichlorotrifluoroethane	5	BRL
67-64-1	**Acetone	20	BRL
75-15-0	**Carbondisulfide	5	BRL
75-09-2	* Methylene Chloride	5	BRL
156-60-5	* Trans-1,2-Dichloroethene	5	BRL
75-34-3	* 1,1-Dichloroethane	5	BRL
78-93-3	**2-Butanone	20	BRL
156-59-2	* Cis-1,2-Dichloroethene	5	BRL
67-66-3	* Chloroform	5	BRL
71-55-6	* 1,1,1-Trichloroethane	5	BRL
56-23-5	* Carbon Tetrachloride	5	BRL
71-43-2	* Benzene	5	BRL
107-06-2	* 1,2-Dichloroethane	5	BRL
79-01-6	* Trichloroethene	5	BRL
78-87-5	* 1,2-Dichloropropane	5	BRL
75-27-4	* Bromodichloromethane	5	BRL
110-75-8	* 2-Chloroethylvinylether	5	BRL
108-05-4	**Vinyl Acetate	10	BRL
10061-02-6	* Trans-1,3-Dichloropropene	5	BRL
108-10-1	**4-Methyl-2-Pentanone	10	BRL
108-88-3	* Toluene	5	BRL
10061-01-5	* cis-1,3-Dichloropropene	5	BRL
79-00-5	* 1,1,2-Trichloroethane	5	BRL
127-18-4	* Tetrachloroethene	5	BRL
591-78-6	**2-Hexanone	10	BRL
124-48-1	* Dibromochloromethane	5	BRL
108-90-7	* Chlorobenzene	5	BRL
100-41-4	* Ethylbenzene	5	BRL
1330-20-7	**Total Xylenes	5	BRL
100-42-5	**Styrene	5	BRL
75-25-2	* Bromoform	5	BRL
79-34-5	* 1,1,2,2-Tetrachloroethane	5	BRL
541-73-1	* 1,3-Dichlorobenzene	5	BRL
106-46-7	* 1,4-Dichlorobenzene	5	BRL
95-50-1	* 1,2-Dichlorobenzene	5	BRL

CAS #	Surrogate Compounds	Limits	% Recovery
17060-07-0	1,2-Dichloroethane-d4	85-132%	93%
2037-26-5	Toluene-d8	77-131%	107%
460-00-4	p-Bromofluorobenzene	74-117%	86%

* A Method 624 priority pollutant compound (Federal Register, 10/26/84)
** A compound on the U.S. EPA CLP Hazardous Substance List (HSL)
# A compound added by Anametrix, Inc. BRL : Below reporting limit.

TABLE OF SAMPLING LOCATIONS AND ANALYTICAL RESULTS

I.D. GIVEN THIS SAMPLE AREA	SAMPLE DEPTH IN FT. BELOW GRADE	SAMPLING LOCATION DICTATED BY	TYPE & METHOD FOR THE SAMPLE OBTAINED	SAMPLE MATRIX	DATE SAMPLED	BTS CHAIN OF CUSTODY I.D.	BTS SAMPLE I.D.	NAME OF DOHS HNTL LABORATORY	LABORATORY SAMPLE I.D.	ANALYTICAL RESULTS PPM TPH-HBP DIESEL	PPM TOTAL OIL & GREASE	(PARTS PER BILL PPB EPA 8240 COMPOUNDS
WoP	9'	LIA/ELEC	INTERFACE	SOIL	9/27/88	88271-M-1	#1	ANAMETRIX	8809211-01	ND	ND	ND
	11'	ELECTIVE	INTERFACE	SOIL	9/27/88	88271-M-1	#1A	ANAMETRIX	8809211-02	PLACED ON HOLD		
Woop	9'	LIA/ELEC	INTERFACE	SOIL	9/27/88	88271-M-1	#2	ANAMETRIX	8809211-03	ND	ND	ND
	11'	ELECTIVE	INTERFACE	SOIL	9/27/88	88271-M-1	#2A	ANAMETRIX	8809211-04	PLACED ON HOLD		