

**PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT
BAY ROAD IMPROVEMENTS PROJECT, PHASES 2 AND 3
BAY ROAD AND PULGAS AVENUE
EAST PALO ALTO, CALIFORNIA**

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Project No. 402068001

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Subject: Phase II Environmental Site Assessment Report
Bay Road Improvements Project, Phases 2 and 3
Bay Road and Pulgas Avenue
East Palo Alto, California

Dear Mr. Krcelic:

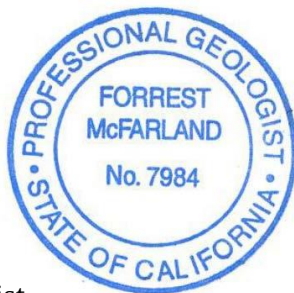
Ninyo & Moore has prepared for T.Y. Lin International this Phase II Environmental Site Assessment (ESA) Report for the above-referenced site. This report documents the environmental sampling results obtained by Ninyo & Moore, which were performed to address the Properties of Environmental Concern and Recognized Environmental Conditions discussed in our September 2014 Phase II ESA Work Plan.

We appreciate the opportunity to be of service to you on this project.

Respectfully submitted,
NINYO & MOORE,



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1. INTRODUCTION

Ninyo & Moore was retained by T.Y. Lin International (T.Y. Lin) to prepare this Phase II Environmental Site Assessment Report; Bay Road Improvements Project, Phases 2 and 3 Bay Road and Pulgas Avenue, East Palo Alto, California (the Report). The project area encompasses the portion of Bay Road between Clarke Avenue and Cooley Landing (Segment 1), and Pulgas Avenue between Bay Road and Runnymede Street (Segment 2) in East Palo Alto, California (collectively referred to as the “site”) (Figure 1).

The purpose of this Report is to document the results of the environmental sampling activities performed by Ninyo & Moore for the site. These activities were conducted to assess the Properties of Environmental Concern and Recognized Environmental Conditions (RECs) as discussed in our September 2014 Phase II ESA Work Plan for the Bay Road Improvement Project. The objective of these sampling activities is to provide T.Y. Lin an understanding of the environmental conditions for the soil and groundwater to be encountered and managed during the implementation of the Bay Road Improvements Project. The Properties of Environmental Concern (PEC) are listed in the table provide in Section 1.2.

1.1. Site Location and Description

The site is comprised of eight parcels along Bay Road and Pulgas Avenue in East Palo Alto, an abandoned railroad spur, and includes imported fill material of undocumented origin used beneath the roadways at the site. The overall site location is presented on Figure 1. The properties, railroad spur and roadways are shown on Figure 2 and Figure 3.

1.2. History of Site Uses

The historic use of each of the PECs and descriptions of the abandoned railroad spur and roadways are detailed in the following table.

PROPERTIES OF ENVIRONMENTAL CONCERN	
Address	Summary
1801/1803/1805 Bay Road (Figure 2)	This property historically supported a metal plating facility from the early 1960s through at least 1993. Results from the most recent groundwater and soil vapor monitoring events (in 2001 and 2007, respectively) indicated that volatile organic compounds (VOCs) on this property were above their respective San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs). Based on this information, impacted groundwater and a vapor encroachment concern (VEC) cannot be ruled out, and this property represents a REC.
1836-1858 Bay Road (Figure 2)	This property historically supported an auto-repair shop, a painting business, and a pesticide repackaging facility. According to Mark Johnson, caseworker at the RWQCB, there is a VOC plume associated with this property; however, subsurface data was not found during the course of this assessment. Based on this information, impacted groundwater and a VEC cannot be ruled out, and this property represents a REC.
1861 Bay Road (Figure 2)	This property historically supported an auto-repair shop and sandblasting operations. The most recent groundwater monitoring event (2010) showed high concentrations of petroleum hydrocarbons orders of magnitude above ESLs. Based on this information, this property represents a REC.
1950 Bay Road (Figure 2)	This property historically supported an auto-wrecking yard with light vehicle maintenance activities. Portions of the property have been impacted with arsenic by the adjacent 1990 Bay Road property, which is further discussed below. Soil, soil vapor, and groundwater investigations at this property have identified it to be impacted with petroleum hydrocarbons. Remediation efforts on this property are ongoing. Based on this information, this property represents a REC.

PROPERTIES OF ENVIRONMENTAL CONCERN	
1990 Bay Road (Figure 2)	This property historically supported an agricultural chemical manufacturing facility from the 1920s until 2002. Soils on and within the vicinity of this property have been impacted with arsenic, including soils on site Segment 1. Although this property has undergone many remedial efforts, including the 1992 excavation of arsenic impacted soil, there remain soil concentrations of arsenic ranging from 20 milligrams per kilograms (mg/kg) up to 4,100 mg/kg on the property or within surrounding areas. Based on this information, this property represents a REC.
2017 Bay Road (Figure 2)	This property historically supported an auto-wrecking yard. Capped soils with high concentrations of lead and petroleum hydrocarbons exist on the property. Based on this information, there is a low likelihood of the property being an environmental concern to the site. However, there is potential for an easement to be constructed on the property to access electricity, and if that occurs, contaminated soils may potentially be encountered and would present a REC.
2447 Pulgas Avenue (Figure 3)	Concentrations of fuel related compounds from a former underground storage tank (UST) on the property may have migrated toward Pulgas Avenue and impacted site groundwater. Therefore, this property represents a REC to the site.
2479, 2483 and 2485 Pulgas Avenue (Figure 3)	Concentrations of fuel related compounds from a former UST on the property may have migrated toward Pulgas Avenue and impacted site groundwater. Therefore, this property represents a REC to the site.

PROPERTIES OF ENVIRONMENTAL CONCERN	
Intersection of Clarke Avenue and Bay Road, and Pulgas Avenue between Bay Road and Weeks Street (Figures 2 and 3)	Three sets of railroad spurs are located crossing Bay Road and Pulgas Avenue. Chemical used to preserve the railroad ties, including heavy metals, polycyclic aromatic hydrocarbons or PAHs, and petroleum hydrocarbons used during train maintenance may have impacted the soils beneath and adjacent to the spurs. Based on this information, the railroad spurs represent an environmental concern to the subject site, and are considered a REC
Segments 1 and 2 Fill Material	In addition to the above, fill used beneath the roadway is composed of undocumented materials. Historically throughout this area of East Palo Alto much of the soil, particularly in the eastern section of Bay Road (i.e. Cooley Landing and the access road to Cooley Landing), has been reported to be impacted with metals and other contaminants of concern. Because of the uncertainty of impacts to site fill material, this represents a de minimus condition, and not a REC.

2. SAMPLING ACTIVITIES

The following sections present a detailed description of pre-field and field activities performed as part of the soil and groundwater sampling investigation.

2.1. Pre-Field Activities

Ninyo & Moore conducted the following pre-field activities prior to implementing the field investigation.

2.1.1. Health and Safety Plan

Ninyo & Moore prepared a site-specific Health and Safety Plan (HASP) to protect site workers and the surrounding public from potential hazards associated with field work being performed during field activities.

2.1.2. Permitting

Prior to conducting any field activities at the site, Ninyo & Moore obtained a Subsurface Drilling Permit from the San Mateo County Environmental Health Services

Division (SMCEHSD) as required for the advancement of soil borings at the site. Ninyo & Moore provided the SMCEHSD a minimum of 48 hours notice of drilling activities. A copy of the SMCEHSD permit is included in Appendix A.

2.1.3. Utility Locating

Prior to conducting field activities, on December 23, 2014, Ninyo & Moore personnel marked out the drilling area and the locations of the proposed soil borings. Underground Service Alert (USA) was notified of the drilling, including location and date. USA ticket numbers were 0533422 and 0533416. USA personnel subsequently marked utility locations in the project area.

2.2. Field Activities

Field activities included advancing soil borings, soil sampling, groundwater sampling, decontamination activities, site restoration, and handling of investigation derived waste (IDW).

2.2.1. Soil Borings

On January 12 through 14, 2015, Ninyo & Moore subcontracted Penecore Drilling, a California C-57 licensed driller located in Woodland, California, to advance 11 soil borings (B-1 through B-11) at the site using a track-mounted direct-push drill rig to a depth of 10 feet below ground surface (bgs). For boring locations within the public roadway, a concrete coring device was used to break the surface, and a hand auger was used to core the top 5 feet to clear for subsurface utilities. Soil cuttings were observed and logged from the surface. Starting at 5 feet bgs, the direct-push drill rig was utilized to advance each boring deeper. Soil cores were retrieved in acetate liners and the encountered stratigraphy was recorded on boring logs. The locations of the soil borings are presented on Figure 2 and Figure 3, and copies of soil boring logs are provided in Appendix B.

2.2.2. Soil Sampling

Soil samples were collected from each boring from depths where organic vapor measurements (based on field screening using a photo-ionization detection [PID] meter¹) or physical signs of impacts (staining or odors) were observed. This screening resulted in the highest PID readings of 1.1 and 0.6 parts per million observed at 1 foot bgs in borings B-5 and B-11, and impacted soils, described as olive colored sand and gravels, encountered at 1 foot bgs in boring B-2, B-7, and B-8. Where no obvious impacts were observed, a shallow sample was collected from approximately 1 foot bgs, while a second soil sample was collected from approximately 1 foot above the first observed groundwater in the respective soil boring. No more than two soil samples were collected from each boring location, with a total of 19 soil samples collected.

Three of the soil borings (B-2, B-3, and B-4) encountered refusal at 1.5 feet bgs. These locations are all located along Bay Road between Clarke Avenue and Pulgas Avenue and are in the paved portions of Bay Road. Concrete coring conducted at these locations typically encountered 3 to 4 inches of asphalt followed by 6 inches of concrete roadway. Approximately 1 foot of well graded gravels were encountered below the concrete roadway, which are likely the imported and undocumented road base gravels of the Bay Road corridor. Beneath these gravels, the soil borings encountered large cobbles and concrete, which resulted in refusal at 1.5-foot bgs. Step out borings were attempted at locations B-2 and B-3 and the same conditions were observed. Therefore, only the 1 foot bgs soil sample could be collected from borings B-2, B-3, and B-4.

The remaining eight soil borings were advanced to a total depth of 10 feet bgs. In these borings, soil samples were collected at 1-foot bgs and from 5 to 6 feet bgs. Groundwater was first encountered in these borings at depths ranging between 5 and 7 feet bgs, except in boring B-1 where groundwater was not encountered.

¹ Field screening included placing a representative amount of soil in a re-sealable plastic bag, which was allowed to equilibrate for a minimum of 15 minutes. A PID meter was used to measure the head space in each bag for the presence of organic vapor concentrations. The PID readings were recorded on the boring logs.

The soil samples were collected following standard environmental sampling and handling procedures. Each soil sample was transferred into laboratory-supplied sample jars, which were labeled with the location identification, placed in a resealable plastic bag, and stored in a cooler containing ice for transportation under chain-of-custody documentation to TestAmerica Laboratories, a California-certified analytical laboratory located in Pleasanton, California.

2.2.3. Groundwater Sampling

Groundwater samples were proposed be collected from borings advanced for each of respective PEC, with the exception of the railroad track areas (borings B-1 and B-10). However, given the drilling refusal experienced in borings B-2, B-3 and B-4, groundwater samples could only be collected from six borings. In order to collect the groundwater samples, a new 1 inch diameter screened PVC casing was temporarily installed in each respective boring. Groundwater samples were then obtained using dedicated polyethylene tubing combined with a bottom check-valve to retrieve the sample, which were collected in the appropriate laboratory-supplied sample bottles. Each sample bottle was labeled with the location identification, placed in a re-sealable plastic bag and stored in a cooler containing ice for transportation under chain-of-custody documentation to Test America Laboratories.

2.2.4. Decontamination

In order to limit potential for cross-contamination, down-hole drilling equipment and non-disposable sampling equipment were decontaminated between boring locations using a steam cleaner. The generated decontamination water was stored in a labeled 55 gallon drum.

2.2.5. Site Restoration

Following sampling activities, the soil borings were abandoned and were sealed using neat cement grout and a tremmie pipe in accordance with SMCEHSD guidelines.

2.2.6. Investigation-Derived Waste

The investigation-derived waste (IDW) generated from these sampling activities included soil cuttings and decontamination water, which were placed in separate and properly labeled 55-gallon steel drums. These two drums are temporarily being stored at the City of East Palo Alto's Corp Yard located on Tara Road pending transportation and offsite disposal as a California Class II, non-hazardous waste. Copies of the IDW waste manifest documenting this disposal will be forwarded to T.Y. Lin.

2.3. Laboratory Analysis

Soil and groundwater samples collected from each of the PECs were evaluated for different analytical suites of constituents of concern depending on historical use of the respective property. The requested sample analyses are summarized in the table below.

Boring ID	Address		
		Soil	Groundwater
B-1	Railroad track, intersection of Clarke Ave and Bay Road	CA Title 22 Metals, TPHd and TPHmo, OCPs and PAHs	Not sampled
B-2	1801, 1803 and 1805 Bay Road	CA Title 22 Metals and VOCs	Groundwater not encountered due to drilling refusal
B-3	1836-1858 Bay Road	CA Title 22 Metals, TPHd, TPHmo and TPHg, OCPs and VOCs	Groundwater not encountered due to drilling refusal
B-4	1861 Bay Road	CA Title 22 Metals, TPHg, TPHd, TPHmo, VOCs	Groundwater not encountered due to drilling refusal
B-5	1950 Bay Road	CA Title 22 Metals, TPHg, TPHd, TPHmo, VOCs	Arsenic, TPHg, TPHd, TPHmo, VOCs
B-6	1990 Bay Road	CA Title 22 Metals	Arsenic
B-7 and 8	2017 Bay Road	CA Title 22 Metals, TPHg, TPHd, TPHmo, and VOCs	Arsenic, TPHg, TPHd, TPHmo, and VOCs
B-9	2479, 2483 and 2485 Pulgas Avenue	CA Title 22 Metals and TPHd, TPHmo, TPHg and VOCs	Arsenic, TPHd, TPHmo, TPHg and VOCs
B-10	Pulgas Avenue between Bay Road and Weeks Street	CA Title 22 Metals, TPHd and TPHmo, OCPs and PAHs	Not sampled
B-11	2447 Pulgas Avenue	CA Title Metals and TPHd, TPHmo, TPHg and VOCs	Arsenic, TPHd, TPHmo, TPHg and VOCs

Notes:

CA Title 22 Metals, including arsenic, analyzed using United States Environmental Protection Agency (USEPA) Method 6010B/7471A.; groundwater samples collected for arsenic analysis were filtered by the analytical laboratory prior to analysis to provide dissolved groundwater concentrations.

TPHd, TPHmo and TPHg = Total petroleum hydrocarbons as diesel, motor oil and gasoline; analyzed using USEPA Method 8015M
VOCs = Volatile organic compounds; analyzed using USEPA Method 8260B; soil samples undergoing VOC analysis were collected using TerraCore samplers following USEPA Method 5350C

PAH = Polynuclear aromatic hydrocarbons; analyzed using USEPA Method 8270C-SIM.

OCPs=Organochlorine pesticides; analyzed using USEPA Method 8081.

3. ANALYTICAL RESULTS

Analytical results for soil samples are presented in Tables 1 through 5, and analytical results for groundwater samples are presented in Tables 6 through 8. Copies of the TestAmerica Laboratories' analytical reports, including chain-of-custody documentation, are provided in Appendix C.

3.1. Environmental Screening Criteria

Ninyo & Moore selected the environmental screening criteria to evaluate the analytical results obtained from these sampling activities in order to provide the T.Y. Lin an understanding of the environmental conditions of the soil and groundwater that would be encountered and require handling and management in order to implement the Bay Roads Improvements Project. The soil results were evaluated for waste disposal and offsite reuse options, which included the following screening criteria:

- California Total Threshold Limit Concentrations (TTLCs), the California Soluble Threshold Limit Concentrations (STLCs)² and the Federal Toxicity Characteristic Leaching Procedures (TCLPs)³ to assess waste disposal options; and,
- Environmental Screening Levels (ESLs) established by the Regional Water Quality Control Board, San Francisco Bay Region (RWQCB), in their "Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater, November 2007, (updated December 2013)". The ESLs selected for this evaluation were those listed in "Table A-1 - ESLs for Shallow Soils where Groundwater is a Current or Potential Source of Drinking Water", for Residential Land Use. The Residential ESLs were selected for this evaluation as soil meeting these ESLs would likely be acceptable for unrestricted offsite reuse. Should a Residential ESL be exceeded, this soil may still be acceptable for offsite reuse under a commercial/industrial setting.

The groundwater results were evaluated against the following:

- Effluent Limitations and Trigger Levels established in RWQCB Order No. R2-2012-0012, NPDES No. CAG912002, "General Waste Discharge Requirements for: Discharge or Reuse of Extracted and Treated Groundwater Resulting from the Cleanup of Groundwater Polluted by Volatile Organic Compounds (VOC), Fuel Leaks and Other

² STLCs are compared against 10-times the detected soil concentration.

³ TCLPs are compared against 20-times the detected soil concentration.

Related Wastes (VOC and Fuel General Permit)", dated February 9, 2012, Tables 2 and 3, respectively; and,

- ESLs established by the RWQCB for groundwater that is a current or potential source of drinking water, Table F-1a.

The VOC and Fuel General Permit Effluent Limitations and Trigger Levels were selected for this evaluation as groundwater concentrations exceeding these screening levels would require treatment and monitoring should T.Y. Lin's implementation of the project require dewatering and subsequent discharge. The ESLs were selected for this evaluation as a secondary screening criterion to assess the general environmental condition of the encountered groundwater.

3.2. Soil Analytical Results

Ninyo & Moore compared soil sample analytical data generated during this assessment to Environmental Screening Levels (ESLs) compiled by the RWQCB in Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater, November 2007, (updated December 2013), and listed in Table A-1 - ESLs for Shallow Soils where Groundwater is a Current or Potential Source of Drinking Water, using Residential Land Use values. A total of nineteen (19) soil samples were collected and analyzed for various constituents as described in Chart 2, above. Soil analytical results are presented in Tables 1-5.

3.2.1. Total Petroleum Hydrocarbons

Eleven (11) of the 19 soil samples were analyzed for TPHg. Sixteen (16) of the 19 soil samples were analyzed for TPHd and TPHmo. The TPH analytical results for soil are summarized in Table 1. No TTLCs, STLCs or TCLPs have been established for TPH.

- TPHg was not detected at concentrations exceeding laboratory reporting limits in any of the analyzed soil samples.
- TPHd was detected in all 16 soil samples analyzed at concentrations ranging from 2.1 to 41 milligrams per kilogram (mg/kg). None of the detected TPHd concentrations exceeded the ESL.

- TPHmo was detected in 4 of the 16 soil samples analyzed at concentrations ranging from 59 to 220 mg/kg. TPHmo was detected in two soil samples (B-9-1 and B-11-1) at concentrations exceeding the ESL.

3.2.2. Volatile Organic Compounds

VOCs were analyzed in 13 of the 19 soil samples. VOC analytical results in soil are summarized in Table 2. Of the 66 VOCs included in this analysis, only three were detected at concentrations greater than laboratory reporting limits.

- Acetone was detected at a concentration of 0.046 mg/kg in sample B-11-1, which is less than the ESL.
- Tetrachloroethene (PCE) was detected in two soil samples, B-5-1 and B-5-6, at concentrations of 0.048 and 0.041 mg/kg, respectively. Both detections are less than the ESL.
- Trichloroethene (TCE) was detected in two soil samples, B-5-6 and B-9-6, at concentrations of 0.014 and 0.082 mg/kg, respectively. Both detections are less than the ESL.
- No TTLCs, STLCs or TCLPs were exceeded by the detected VOC concentrations.

3.2.3. California Title 22 Metals

California Title 22 metals were analyzed in all 19 soil samples. California Title 22 Metals analytical results in soil are summarized in Table 3.

- Three metals (selenium, silver and thallium) were not detected at concentrations exceeding laboratory reporting limits in any of the 19 analyzed samples.
- Twelve metals (antimony, barium, beryllium, cadmium, total chromium, mercury, molybdenum, nickel, vanadium and zinc) were detected at concentrations less than ESLs in the 19 analyzed soil samples.
- Arsenic was detected in 16 of 19 soil samples at concentrations ranging from 3.0 to 9.3 mg/kg. All of the detected arsenic concentrations are greater than the ESL of 0.39 mg/kg; however are less than the background concentration of 11 mg/kg established by the RWQCB⁴.

⁴ Background concentration as documented in the following report, “Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay Region”, dated December 2011, prepared by Dylan Jacques Duverge.

- Cobalt was detected in all 19 soil samples analyzed at concentrations ranging from 5.7 to 63 mg/kg. Three of the cobalt concentrations detected in samples B-2-1, B-3-1, and B-4-1 exceeded the ESL of 23 mg/kg. These three soil samples were collected from the likely imported and undocumented road base gravels of Bay Road.
- Total Chromium was detected in all 19 soil samples analyzed at concentrations ranging from 21 to 100 mg/kg, which are less than the ESL.
- The only metal that indicated the potential for California Class I, hazardous waste was chromium as concentrations for four of the 19 soil samples exceeded 10-times the STLC (B-2-1, B-3-1, and B-4-1, and B-7-1). These four samples were subsequently analyzed for chromium using the California Waste Extraction Test (WET), which resulted in concentrations less than the STLC.

3.2.4. Polynuclear Aromatic Hydrocarbons

PAHs were analyzed in four of the 19 soil samples. Seven PAHs were detected in one of the analyzed soil samples, B-10-1, with all detected concentrations less than ESLs. The PAH analytical results for soil are summarized in Table 4.

3.2.5. Organochlorine Pesticides

OCPs were analyzed in five (5) of the nineteen (19) soil samples. OCPs were not detected above the laboratory reporting limits in any of analyzed soil samples. OCP analytical results in soil are presented on Table 5.

3.3. Groundwater Analytical Results

The following sections summarize the groundwater analytical results for each respective group of constituents of concern.

3.3.1. Total Petroleum Hydrocarbons

Five of the six groundwater samples were analyzed for TPHg, TPHd and TPHmo. Analytical results for TPH in groundwater are summarized in Table 6.

- TPHg was detected in two of the five analyzed groundwater samples at concentrations of 53 and 130 micrograms per liter ($\mu\text{g/L}$) in the samples collected from borings B-5 and B-9, respectively.

- The TPHg concentrations in the groundwater sample collected from borings B-5 and B-9 exceeded the Maximum Daily Effluent Limitation (MDEL) of 50 µg/L.
- The TPHg concentration in the groundwater sample collected from boring B-9 exceeded the ESL of 100 µg/L.
- TPHd was detected in 4 of 5 analyzed groundwater samples at concentrations of 93, 250, 100, and 150 µg/L in samples B-5, B-7, B-8, and B-9, respectively.
 - Each of these detections of TPHd exceeds the MDEL of 50 µg/L.
 - Concentrations of TPHd in B-7, B-8, and B-9 exceed the RWQCB ESL of 100 µg/L.
- TPHmo was detected in 3 of 5 analyzed groundwater samples at concentrations of 130, 230, and 270 µg/L in samples B-5, B-7, and B-9, respectively.
 - These detections of TPHmo exceed the Trigger Pollutant Level of 50µg/L, however triggers are not effluent limitations.
 - The B-9 concentration of TPHmo in groundwater exceeds the RWQCB ESL of 100 µg/L.

3.3.2. VOCs

VOCs were analyzed in five of the six groundwater samples. Analytical results for VOCs in groundwater are summarized in Table 7. Six VOCs out of 66 that are included in this analysis were detected at concentrations exceeding laboratory reporting limits.

- Three of the six VOCs detected in the groundwater samples (methyl tertiary butyl ether [MTBE], 1,1-Dichloroethane [DCA], and cis-1,2-Dichloroethene {DCE}) were reported at concentrations less than their respective MDELs.
- 1,1-DCE was detected in one of the six groundwater samples, collected from boring B-9, at a concentration of 0.78 µg/L, which exceeded the MDEL of 0.11 µg/L, but less than the ESL of 6 µg/L.
- PCE was detected in one of the six groundwater samples, collected from boring B-5, at a concentration of 44 µg/L, which exceeded both the MDEL of 1.6 µg/L and the ESL of 5 µg/L.

- TCE was detected in three of the six groundwater samples, collected from borings B-5, B-9, and B-11, at concentrations of 19, 150, and 9.1 µg/L, respectively, each of which exceeded the MDEL of 5 µg/L and the ESL of 5 µg/L.

3.3.3. Arsenic

All six groundwater samples collected were analyzed for arsenic. Analytical results for arsenic in groundwater are summarized Table 8. Arsenic was not detected at concentrations exceeding the laboratory reporting limit in any of the groundwater samples.

4. FINDINGS AND CONCLUSIONS

Based on the results of the soil gas and groundwater sampling activities, Ninyo & Moore presents the following findings and conclusions:

- Analysis of the site soil samples indicated that the soil encountered during the implementation of the Bay Road Improvements Project could be disposed as a California Class II, non-hazardous waste.
- Analysis of the site soil samples indicated that ESLs were exceeded at select locations for TPHmo and cobalt. Therefore, should any of this soil be considered for reuse, the locations with these ESL exceedances should be segregated, with the excavated soil stockpiled for further characterization. Ninyo & Moore notes that the TPMmo and cobalt ESL for commercial/industrial land use, 500 mg/kg and 80 mg/kg, respectively, were not exceeded, and therefore, the potential remains to reuse this segregated soil.
- Shallow soil samples with elevated concentrations of chromium and cobalt are likely indicative of the imported road base gravels for road construction historically suspected of containing elevated concentrations of heavy metals.
- Analysis of the site groundwater samples indicated that groundwater encountered during the implementation of the Bay Roads Improvement Project would likely require treatment prior to discharge to a storm sewer in order to comply with the VOC and Fuel General Permit Effluent Limitations. Additional sampling and monitoring requirements are established in the VOC and Fuel General Permit should this project require dewatering and subsequent discharge to a storm sewer.
- Analysis of the site groundwater samples indicated drinking water ESLs were exceeded for TPHg, TPHd, TPHmo, PCE and TCE.

5. LIMITATIONS

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report. Variations in site conditions may exist and conditions not observed or described in this report may be encountered during subsequent activities. Please also note that this study did not include an evaluation of geotechnical conditions or potential geologic hazards.

Ninyo & Moore's opinions and recommendations regarding environmental conditions, as presented in this report, are based on limited subsurface assessment and chemical analysis. Further assessment of potential adverse environmental impacts from past on-site and/or nearby use of hazardous materials may be accomplished by a more comprehensive assessment. The samples collected and used for testing, and the observations made, are believed to be representative of the area(s) evaluated; however, conditions can vary significantly between sampling locations. Variations in soil and/or groundwater conditions will exist beyond the points explored in this evaluation.

The environmental interpretations and opinions contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and concentration of specific chemical or physical constituents in samples collected from the subject site. The testing and analyses have been conducted by an independent laboratory which is certified by the State of California to conduct such tests. Ninyo & Moore has no involvement in, or control over, such testing and analysis. Ninyo & Moore, therefore, disclaims responsibility for any inaccuracy in such laboratory results.

Our conclusions, recommendations, and opinions are based on an analysis of the observed site conditions. It should be understood that the conditions of a site could change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to

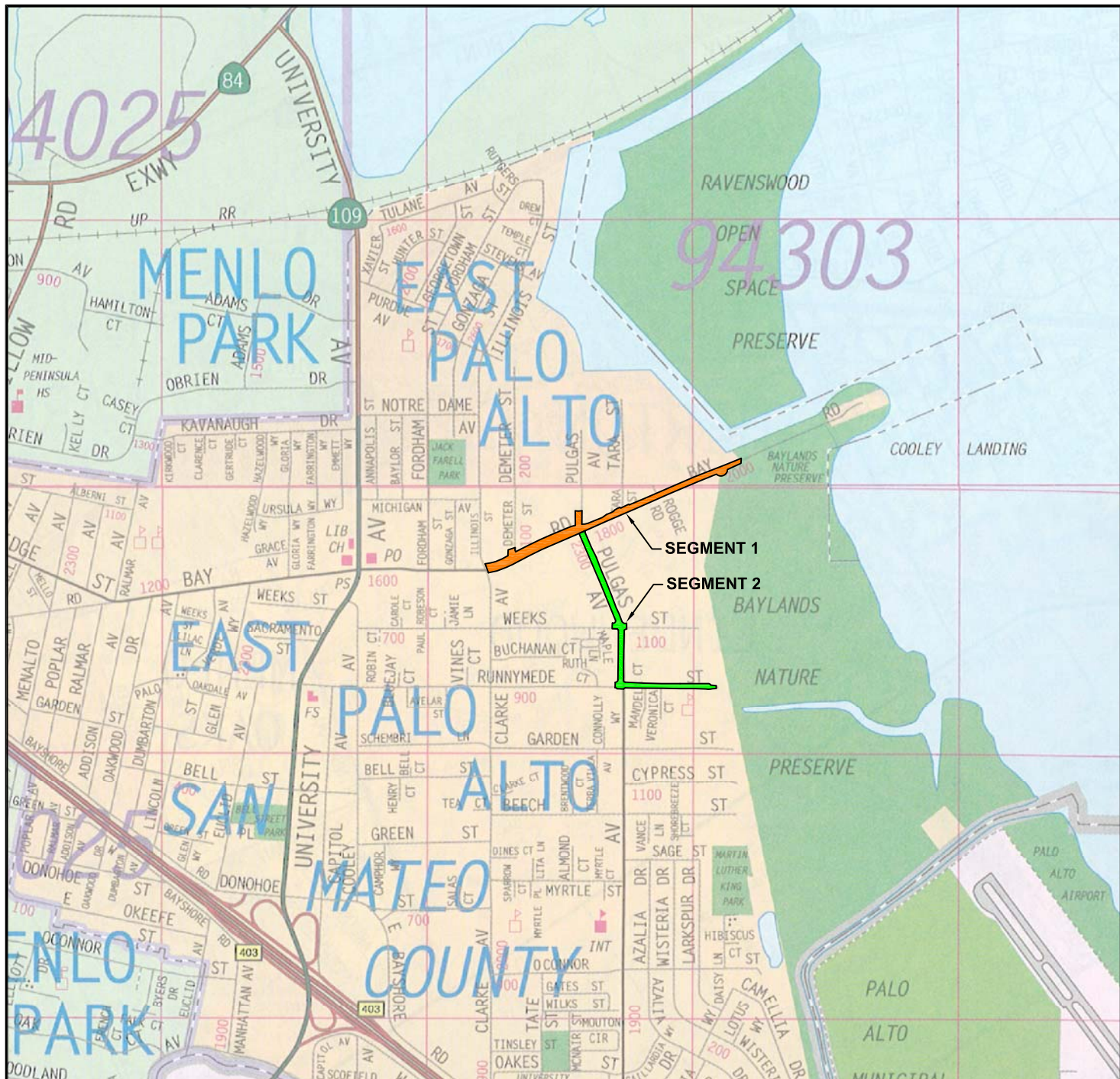
government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document.

This report may be relied upon by, and is intended exclusively for, T.Y. Lin International, and the City of East Palo Alto. Any use or reuse of the findings, opinions, and/or conclusions of this report by parties other than those listed above is undertaken at said parties' sole risk.

6. REFERENCES

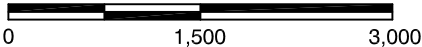
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- Ninyo & Moore, 2014b; Phase II Environmental Site Assessment Work Plan; Phases 2 and 3; Bay Road Between Clarke Avenue and Cooley Landing, East Palo Alto, California, September 2.
- RWQCB, 2012, General Waste Discharge Requirements for Discharge or Reuse of Extracted and Treated Groundwater Resulting from the Cleanup of Groundwater Polluted by Volatile Organic Compounds (VOC), Fuel Leaks, and Other related Wastes (VOC and Fuel General Permit), San Francisco Bay Regional Water Quality Control Board; February 8.
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SCALE IN FEET



NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore

SITE LOCATION

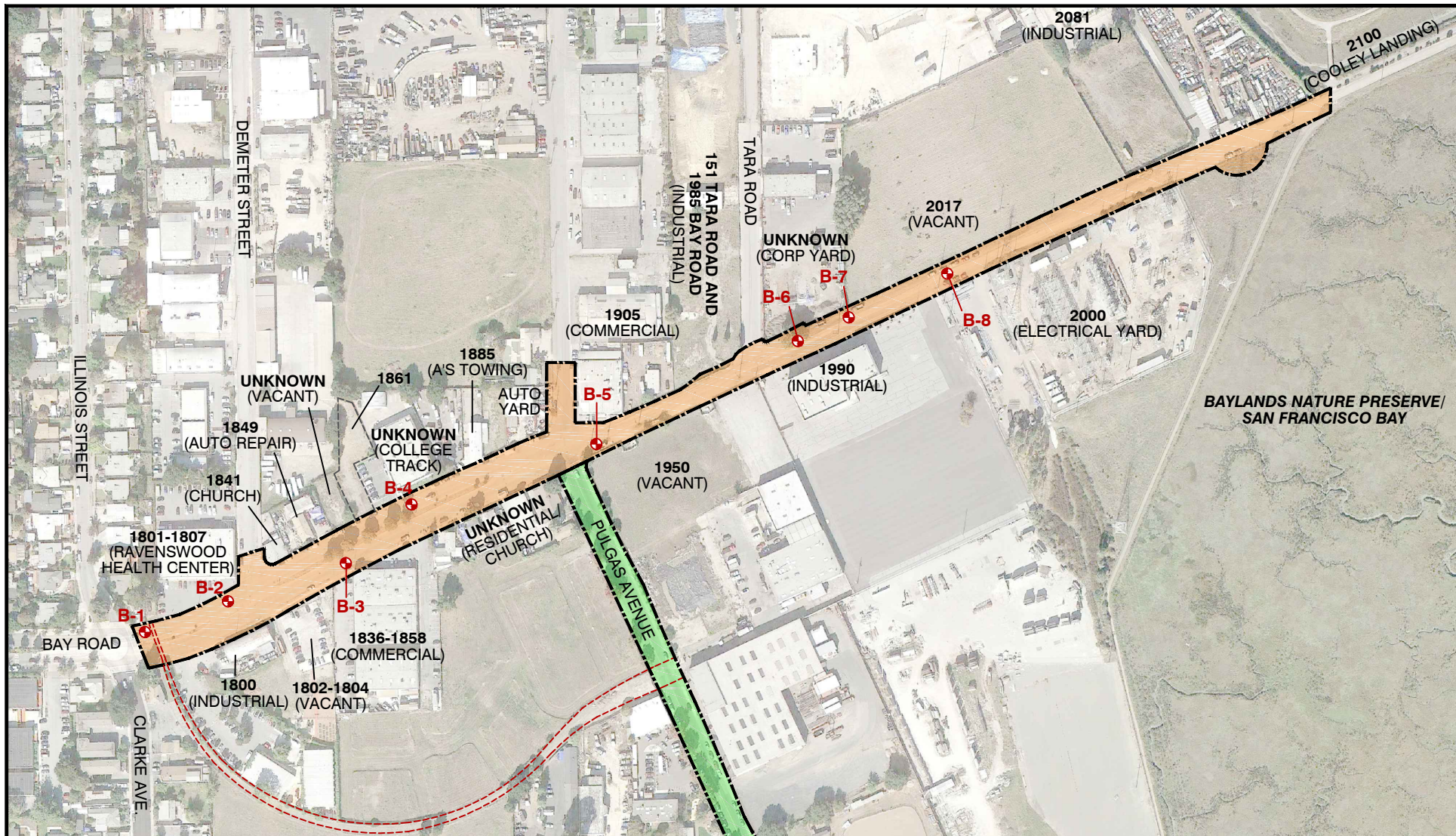
FIGURE

1

PROJECT NO.
402068001

DATE
3/15

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT
BAY ROAD
EAST PALO ALTO, CALIFORNIA



REFERENCE: GOOGLE EARTH IMAGERY, 2011, SEGMENT BOUNDARIES BY CITY OF EAST PALO ALTO, BAY ROAD PHASE II & III IMPROVEMENT PROJECT (APE MAP 1 OF 3, 2 OF 3 AND 3 OF 3), DATED NOVEMBER 2014.

LEGEND

- B-8** PHASE II ESA BORING LOCATIONS
- SEGMENT 1 SITE BOUNDARY
- PARTIAL OF SEGMENT 2 SITE BOUNDARY
- RAILWAY SPUR



SCALE IN FEET

0 300 600

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore

PROJECT NO.

402068001

DATE

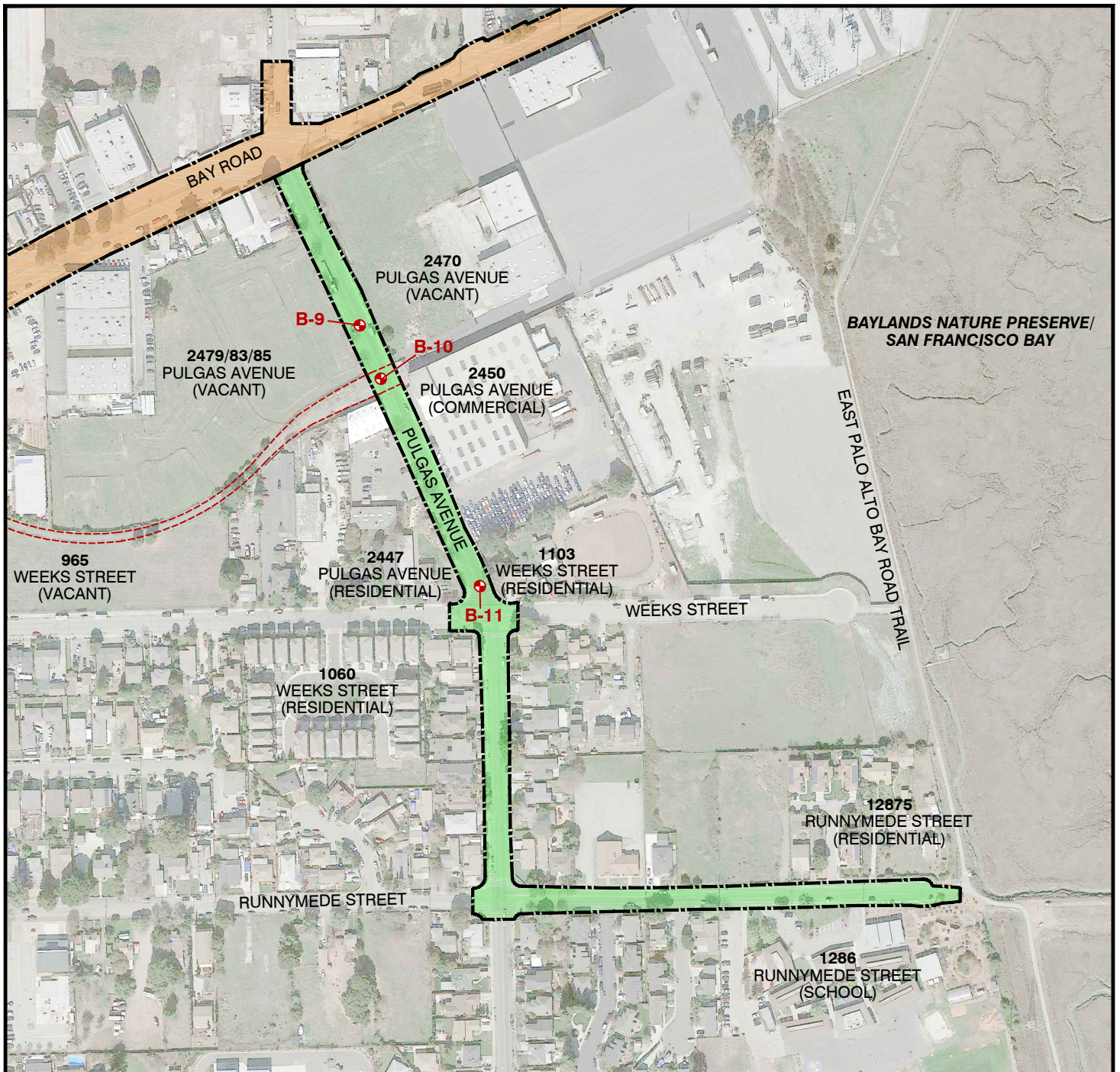
3/15

BORING LOCATIONS - SEGMENT 1

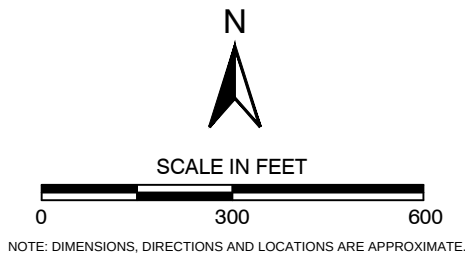
PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT
BAY ROAD
EAST PALO ALTO, CALIFORNIA

FIGURE

2



REFERENCE: GOOGLE EARTH IMAGERY, 2011, SEGMENT BOUNDARIES BY CITY OF EAST PALO ALTO, BAY ROAD PHASE II & III IMPROVEMENT PROJECT (APE MAP 1 OF 3, 2 OF 3 AND 3 OF 3), DATED NOVEMBER 2014.



LEGEND	
	SEGMENT 2 SITE BOUNDARY
	PARTIAL OF SEGMENT 1 SITE BOUNDARY
	PHASE II ESA BORING LOCATIONS
	RAILWAY SPUR

Ninyo & Moore

BORING LOCATIONS - SEGMENT 2

FIGURE

PROJECT NO.

DATE

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT
BAY ROAD
EAST PALO ALTO, CALIFORNIA

402068001

3/15

3

TABLE 1. BAY ROAD SOIL SAMPLING RESULTS - TOTAL EXTRACTABLE HYDROCARBONS					
Sample ID	Sample Depth (ft bgs)	Sample Date	TPHg	TPHd	TPHmo
			Analytical Results (mg/kg)		
B-1-1	1	1/14/2015	--	6.9	ND<50
B-1-5	5	1/14/2015	--	8.9	ND<50
B-2-1	1	1/13/2015	--	--	--
B-3-1	1	1/14/2014	ND<0.22	2.9	ND<49
B-4-1	1	1/13/2015	ND<0.2	6.2	ND<49
B-5-1	1	1/13/2015	ND<0.19	11	ND<50
B-5-6	6	1/13/2015	ND<0.17	2.4	ND<50
B-6-1	1	1/13/2015	--	--	--
B-6-6	6	1/13/2015	--	--	--
B-7-1	1	1/13/2015	ND<0.17	5.3	ND<50
B-7-6	6	1/13/2015	ND<0.18	6.4	ND<49
B-8-1	1	1/13/2015	ND<0.18	18	64
B-8-6	6	1/13/2015	ND<0.19	2.5	ND<49
B-9-1	1	1/14/2015	ND<0.19	41	220
B-9-6	6	1/14/2015	ND<0.19	2.1	ND<50
B-10-1	1	1/12/2015	--	13	59
B-10-6	6	1/12/2015	--	2.7	ND<50
B-11-1	1	1/12/2015	ND<0.2	41	140
B-11-6	6	1/12/2015	ND<0.18	6.0	ND<49
Screening Criteria:					
RWQCB ESLs ¹ (mg/Kg)			100	100	100
Notes:					
TPHd/mo analyzed using EPA Method 8015B GRO analyzed by EPA Method 8260B µg/kg - micrograms per kilogram ESL - Environmental Screening Level GRO - gasoline range organics ND<X - not detected at a concentration greater than the laboratory reporting limit of X -- not applicable RWQCB - Regional Water Quality Control Board Boldtype indicates concentrations greater than the RWQCB ESLs ¹ - Shallow Soil Screening Levels (<3m bgs), Residential Land Use (groundwater is a current or potential drinking water resource) from Table 1-A; SF RWQCB ESLs					

TABLE 2. BAY ROAD SOIL SAMPLING RESULTS - VOLATILE ORGANIC COMPOUNDS (VOCs)						
Sample ID	Sample Depth (ft bgs)	Sample Date	Acetone	Tetrachloroethylene (PCE)	Trichloroethylene (TCE)	All other VOCs
Analytical Results (mg/kg)						
B-1-1	1	1/14/2015	--	--	--	--
B-1-5	5	1/14/2015	--	--	--	--
B-2-1	1	1/13/2015	ND<0.037	ND<0.0037	ND<0.0037	ND
B-3-1	1	1/14/2014	ND<0.043	ND<0.0043	ND<0.0043	ND
B-4-1	1	1/13/2015	ND<0.040	ND<0.0040	ND<0.0040	ND
B-5-1	1	1/13/2015	ND<0.038	0.048	ND<0.0038	ND
B-5-6	6	1/13/2015	ND<0.035	0.041	0.014	ND
B-6-1	1	1/13/2015	--	--	--	--
B-6-6	6	1/13/2015	--	--	--	--
B-7-1	1	1/13/2015	ND<0.035	ND<0.0035	ND<0.0035	ND
B-7-6	6	1/13/2015	ND<0.036	ND<0.0036	ND<0.0036	ND
B-8-1	1	1/13/2015	ND<0.036	ND<0.0036	ND<0.0036	ND
B-8-6	6	1/13/2015	ND<0.038	ND<0.0038	ND<0.0038	ND
B-9-1	1	1/14/2015	ND<0.038	ND<0.0038	ND<0.0038	ND
B-9-6	6	1/14/2015	ND<0.039	ND<0.0039	0.082	ND
B-10-1	1	1/12/2015	--	--	--	--
B-10-6	6	1/12/2015	--	--	--	--
B-11-1	1	1/12/2015	0.046	ND<0.0040	ND<0.0040	ND
B-11-6	6	1/12/2015	ND<0.037	ND<0.0037	ND<0.0037	ND
<i>Screening Criteria:</i>						
RWQCB ESLs ¹ (mg/Kg)			0.50	0.55	0.46	NE
STLC concentration in mg/L			NE	NE	204	NE
TCLP concentration in mg/L			NE	0.7	0.5	NE
Notes: VOCs analyzed using EPA Method 8260B ft bgs - feet below ground surface mg/Kg - milligrams per kilogram mg/L - milligrams per liter ESL - Environmental Screening Level NE - Not Established -- not applicable ND<X - not detected at a concentration greater than the laboratory reporting limit of X RWQCB - Regional Water Quality Control Board Boldtype indicates concentrations greater than the RWQCB ESLs STLC - Soluble Threshold Limit Concentration TCLP - Toxic Characteristic Leaching Procedure ¹ - Shallow Soil Screening Levels (<3m bgs), Residential Land Use (groundwater is a current or potential drinking water resource) from Table 1-A; SF RWQCB ESLs						

TABLE 3. BAY ROAD SOIL SAMPLING RESULTS - TITLE 22 METALS

Sample ID	Sample Depth (ft bgs)	Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium (total)	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
Analytical Results (mg/Kg)																			
B-1-1	1	1/14/2015	ND<1.6	4.9	220	0.58	ND<0.40	38	19	40	12	ND<1.6	72	ND<3.2	ND<0.80	ND<1.6	45	56	0.048
B-1-5	5	1/14/2015	ND<0.50	5.6	130	0.33	0.18	30	7.8	19	9.3	0.53	34	ND<0.99	ND<0.25	ND<0.50	30	47	0.058
B-2-1	1	1/13/2015	ND<1.7	ND<3.4	160	ND<0.34	ND<0.42	75 / 0.16 ¹	35	58	3.6	ND<1.7	50	ND<3.4	ND<0.84	ND<1.7	72	58	0.20
B-3-1	1	1/14/2014	ND<1.4	ND<2.8	89	ND<0.28	ND<0.35	100 / 0.18 ¹	63	96	ND<1.4	ND<1.4	52	ND<2.8	ND<0.70	ND<1.4	77	52	0.011
B-4-1	1	1/13/2015	ND<1.8	ND<3.6	130	ND<0.36	ND<0.45	96 / 0.32 ¹	26	68	ND<1.8	ND<1.8	58	ND<3.6	ND<0.89	ND<1.8	85	61	0.023
B-5-1	1	1/13/2015	ND<0.49	3.8	160	0.28	0.21	30	7.7	19	6.4	0.70	35	ND<0.98	ND<0.25	ND<0.49	29	47	0.039
B-5-6	6	1/13/2015	ND<0.47	3.2	120	0.28	0.18	28	7.7	18	4.3	0.53	29	ND<0.94	ND<0.24	ND<0.47	27	42	0.038
B-6-1	1	1/13/2015	0.94	9.3	140	0.31	0.43	31	7.5	18	12	0.69	31	ND<0.97	ND<0.24	ND<0.49	29	51	0.070
B-6-6	6	1/13/2015	0.61	4.0	88	0.33	ND<0.095	28	6.8	17	4.8	1.3	32	ND<0.76	ND<0.19	ND<0.38	28	42	0.038
B-7-1	1	1/13/2015	ND<1.7	6.8	680	ND<0.34	0.65	52 / 0.16 ¹	13	24	9.0	ND<1.7	70	ND<3.4	ND<0.85	ND<1.7	30	47	0.22
B-7-6	6	1/13/2015	0.99	3.4	130	0.15	0.14	32	6.1	12	3.1	0.67	29	ND<0.79	ND<0.20	ND<0.39	26	30	0.041
B-8-1	1	1/13/2015	1.2	8.9	140	0.16	0.97	27	9.4	27	12	0.63	30	ND<0.88	ND<0.22	ND<0.44	36	54	0.37
B-8-6	6	1/13/2015	ND<0.38	3.0	86	0.27	ND<0.095	25	6.2	14	4.0	0.83	29	ND<0.76	ND<0.19	ND<0.38	27	37	0.032
B-9-1	1	1/14/2015	ND<0.41	4.2	130	0.16	0.12	30	6.7	20	8.6	0.82	28	ND<0.82	ND<0.20	ND<0.41	28	48	0.033
B-9-6	6	1/14/2015	ND<0.39	3.8	100	0.23	ND<0.098	25	7.1	16	3.8	0.74	31	ND<0.78	ND<0.20	ND<0.39	25	42	0.049
B-10-1	1	1/12/2015	0.39	4.0	120	0.17	ND<0.098	27	6.8	16	6.8	1.0	30	ND<0.78	ND<0.20	ND<0.39	25	42	0.044
B-10-6	6	1/12/2015	ND<0.33	3.0	100	0.076	0.083	21	5.7	11	2.7	0.61	25	ND<0.65	ND<0.16	ND<0.33	21	30	0.024
B-11-1	1	1/12/2015	ND<0.38	3.5	150	ND<0.077	0.13	28	7.1	19	5.1	0.47	29	ND<0.77	ND<0.19	ND<0.38	29	40	0.031
B-11-6	6	1/12/2015	ND<1.4	5.0	120	0.37	ND<0.36	33	8.8	18	4.9	1.9	38	ND<2.9	ND<0.72	ND<1.4	29	53	0.059
Screening Criteria:																			
RWQCB ESL (mg/Kg) ²			20	0.39	750	4	12	1,000	23	230	80	40	150	10	20	0.78	200	600	6.7
TCLP Parameter / Metals (mg/L)			NE	5	100	NE	1.0	5	NE	NE	5.0	NE	NE	1.0	5.0	NE	NE	NE	0.2
STLC Parameter / Metals (mg/L)			15	5	100	0.75	1.0	5	80	25	5.0	350	20	1.0	5.0	7.0	24	250	0.2
TTLC Parameter / Metals (mg/kg)			500	500	10,000	75	100	2,500	8,000	2,500	1,000	3,500	2,000	100	500	700	2,400	5,000	20
Notes:																			
Metals analyzed using EPA Method 6010B/7471A																			
ft bgs - feet below ground surface																			
µg/Kg - micrograms per kilogram																			
mg/L - milligrams per liter																			
ESL - Environmental Screening Level																			
ND<X - not detected at a concentration greater than the laboratory reporting limit of X																			
NE - Not Evaluated																			
RWQCB - Regional Water Quality Control Board																			
STLC - Soluble Threshold Limit Concentration																			
TCLP - Toxic Characteristic Leaching Procedure																			
Boldtype indicates concentrations greater than 10 times the STLC parameter																			
¹ - 100/0.18 indicates analytical result in mg/Kg by EPA Method 6010B / and STLC result in mg/L																			
² - Shallow Soil Screening Levels (<3m bgs), Residential Land Use (groundwater is a current or potential drinking water resource)																			
from Table 1-A; SF RWQCB ESLs																			

TABLE 4. BAY ROAD SOIL SAMPLING RESULTS - POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)

Sample ID	Sample Depth (ft bgs)	Sample Date	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Chrysene	Fluoranthene	Phenanthrene	Pyrene	All other PAHs
			Analytical Results (mg/Kg)							
B-1-1	1	1/14/2015	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND
B-1-5	5	1/14/2015	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND
B-2-1	1	1/13/2015	NE	NE	NE	NE	NE	NE	NE	NE
B-3-1	1	1/14/2014	NE	NE	NE	NE	NE	NE	NE	NE
B-4-1	1	1/13/2015	NE	NE	NE	NE	NE	NE	NE	NE
B-5-1	1	1/13/2015	NE	NE	NE	NE	NE	NE	NE	NE
B-5-6	6	1/13/2015	NE	NE	NE	NE	NE	NE	NE	NE
B-6-1	1	1/13/2015	NE	NE	NE	NE	NE	NE	NE	NE
B-6-6	6	1/13/2015	NE	NE	NE	NE	NE	NE	NE	NE
B-7-1	1	1/13/2015	NE	NE	NE	NE	NE	NE	NE	NE
B-7-6	6	1/13/2015	NE	NE	NE	NE	NE	NE	NE	NE
B-8-1	1	1/13/2015	NE	NE	NE	NE	NE	NE	NE	NE
B-8-6	6	1/13/2015	NE	NE	NE	NE	NE	NE	NE	NE
B-9-1	1	1/14/2015	NE	NE	NE	NE	NE	NE	NE	NE
B-9-6	6	1/14/2015	NE	NE	NE	NE	NE	NE	NE	NE
B-10-1	1	1/12/2015	0.022	0.015	0.016	0.022	0.025	0.027	0.036	ND
B-10-6	6	1/12/2015	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND
B-11-1	1	1/12/2015	NE	NE	NE	NE	NE	NE	NE	NE
B-11-6	6	1/12/2015	NE	NE	NE	NE	NE	NE	NE	NE
Screening Criteria:										
RWQCB ESLs ¹ (mg/Kg)			0.38	0.038	0.38	4	40	11	85	NE
Notes:										
PAHs analyzed using EPA Method 8270C										
ft bgs - feet below ground surface										
µg/Kg - micrograms per kilogram										
ESL - Environmental Screening Level										
ND<X - not detected at a concentration greater than the laboratory reporting limit of X										
NE - Not Evaluated										
RWQCB - Regional Water Quality Control Board										
Boldtype indicates concentrations greater than the RWQCB ESLs										
¹ - Shallow Soil Screening Levels (<3m bgs), Residential Land Use (groundwater is a current or potential drinking water resource) from Table 1-A; SF RWQCB ESLs										

TABLE 5. BAY ROAD SOIL SAMPLING RESULTS - ORGANOCHLORINE PESTICIDES (OCPs)						
Sample ID	Sample Depth (ft bgs)	Sample Date	Aldrin	Dieldrin	Chlordane	All Other OCPs
			Analytical Results (mg/Kg)			
B-1-1	1	1/14/2015	ND<0.0020	ND<0.0020	ND<0.039	ND
B-1-5	5	1/14/2015	ND<0.0019	ND<0.0019	ND<0.039	ND
B-2-1	1	1/13/2015	NE	NE	NE	NE
B-3-1	1	1/14/2014	ND<0.0019	ND<0.0019	ND<0.039	ND
B-4-1	1	1/13/2015	NE	NE	NE	NE
B-5-1	1	1/13/2015	NE	NE	NE	NE
B-5-6	6	1/13/2015	NE	NE	NE	NE
B-6-1	1	1/13/2015	NE	NE	NE	NE
B-6-6	6	1/13/2015	NE	NE	NE	NE
B-7-1	1	1/13/2015	NE	NE	NE	NE
B-7-6	6	1/13/2015	NE	NE	NE	NE
B-8-1	1	1/13/2015	NE	NE	NE	NE
B-8-6	6	1/13/2015	NE	NE	NE	NE
B-9-1	1	1/14/2015	NE	NE	NE	NE
B-9-6	6	1/14/2015	NE	NE	NE	NE
B-10-1	1	1/12/2015	ND<0.0019	ND<0.0019	ND<0.039	ND
B-10-6	6	1/12/2015	ND<0.0020	ND<0.0020	ND<0.039	ND
B-11-1	1	1/12/2015	NE	NE	NE	NE
B-11-6	6	1/12/2015	NE	NE	NE	NE
Screening Criteria:						
RWQCB ESLs ¹ (mg/Kg)			0.032	0.0023	0.44	NE
STLC concentration in mg/L			0.14	0.8	0.03	NE
TCLP concentration in mg/L			NE	NE	0.25	NE
Notes:						
OCPs analyzed using EPA Method 8081A ft bgs - feet below ground surface µg/Kg - micrograms per kilogram ESL - Environmental Screening Level ND<X - not detected at a concentration greater than the laboratory reporting limit of X NE - Not Evaluated STLC - Soluble Threshold Limit Concentration TCLP - Toxic Characteristic Leaching Procedure Boldtype indicates concentrations greater than the RWQCB ESLs ¹ - Shallow Soil Screening Levels (<3m bgs), Residential Land Use (groundwater is a current or potential drinking water resource) from Table 1-A; SF RWQCB Environmental Screening Levels (ESLs)						

TABLE 6. BAY ROAD GROUNDWATER SAMPLING RESULTS - TOTAL PETROLEUM HYDROCARBONS				
Sample ID	Sample Date	TPHd	TPHmo	TPHg
		Analytical Results (µg/L)		
B-1	1/14/2015	--	--	--
B-2	1/14/2015	--	--	--
B-3	1/14/2015	--	--	--
B-4	1/13/2015	--	--	--
B-5	1/13/2015	93	130	53
B-6	1/13/2015	--	--	--
B-7	1/13/2015	250	230	ND<50
B-8	1/13/2015	100	ND<160	ND<50
B-9	1/12/2015	150	270	130
B-10	1/12/2015	--	--	--
B-11	1/12/2015	ND<55	ND<110	ND<50
Screening Criteria:				
Trigger Pollutant Level (µg/L) ¹		NE	50	NE
Maximum Daily Effluent Limitation (µg/L) ¹		50	NE	50
RWQCB ESL		100	100	100
Notes: TPHd/mo analyzed using EPA Method 8015B TPHg analyzed by EPA Method 8260B µg/kg - micrograms per kilogram ND<X - not detected at a concentration greater than the laboratory reporting limit of X NE - Not established -- not applicable Boldtype indicates concentration exceeds Max. Daily Effluent Limitation, for TPHg and TPHd, and Trigger Pollutant Levels for TPHmo ¹ - General Waste Discharge Requirements for Discharge or Reuse of Extracted and Treated Groundwater Resulting from the Cleanup of Groundwater Polluted by Volatile Organic Compounds (VOC), Fuel Leaks and Other Related Wastes (VOC and Fuel General Permit) RWQCB 02-08-12 ² - Groundwater Screening Levels (groundwater is a current or potential drinking water resource) from Table F1-A; SF RWQCB ESLs				

TABLE 7. BAY ROAD GROUNDWATER SAMPLING RESULTS - VOLATILE ORGANIC COMPOUNDS									
Sample ID	Sample Date	Acetone	MTBE	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	Tetrachloroethylene (PCE)	Trichloroethylene (TCE)	All Other VOCs
		Analytical Results (µg/L)							
B-1	1/14/2015	--	--	--	--	--	--	--	--
B-2	1/14/2015	--	--	--	--	--	--	--	--
B-3	1/14/2015	--	--	--	--	--	--	--	--
B-4	1/13/2015	--	--	--	--	--	--	--	--
B-5	1/13/2015	ND<50	ND<0.50	ND<0.50	ND<0.50	2.1	44	19	ND
B-6	1/13/2015	--	--	--	--	--	--	--	--
B-7	1/13/2015	ND<50	0.91	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND
B-8	1/13/2015	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND
B-9	1/12/2015	ND<50	3.3	1.8	0.78	3.0	ND<0.50	150	ND
B-10	1/12/2015	--	--	--	--	--	--	--	--
B-11	1/12/2015	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	9.1	ND
Screening Criteria:									
Trigger Pollutant Level (µg/L) ¹		NE	NE	NE	NE	NE	NE	NE	--
Maximum Daily Effluent Limitation (µg/L) ¹		NE	5	5	0.11	5	1.6	5	--
RWQCB ESLs ² (µg/L)		1,500	5	5	6	6	5	5	--
Toxicity Characteristic Leaching Procedure (TCLP) ³ (µg/L)		NE	NE	NE	NE	NE	700	500	--
Soluble Threshold Limit Concentration (STLC) ³ (µg/L)		NE	NE	NE	NE	NE	NE	2.04E+05	--
Total Threshold Limit Concentration (TTLC) ³ (µg/L)		NE	NE	NE	NE	NE	NE	2.04E+06	--
Notes: VOCs analyzed using EPA Method 8260B ft bgs - feet below ground surface µg/Kg - micrograms per kilogram NE - Not established ND<X - not detected at a concentration greater than the laboratory reporting limit of X -- not applicable ¹ - General waste Discharge Requirements Discharge or Reuse of Extracted and Treated Groundwater Resulting from the Cleanup of Groundwater Polluted by Volatile Organic Compounds (VOC), Fuel Leaks and Other Related Wastes (VOC and Fuel General Permit); RWQCB 02-08-12 ² - Groundwater Screening Levels (groundwater is a current or potential drinking water resource) from Table F1-A; SF RWQCB ESLs ³ - TCLP, STLC, TTLC obtained from Federal (RCRA-TCLP) and State (Title 22-STLC, TTLC) Hazardous Waste Criteria -- Not Applicable Boldtype indicates concentrations greater than Maximum Daily Effluent Limitations									

TABLE 8. BAY ROAD GROUNDWATER SAMPLING RESULTS - ARSENIC		
Sample ID	Sample Date	Arsenic
		Analytical Results (µg/L)
B-1	1/14/2015	--
B-2	1/14/2015	--
B-3	1/14/2015	--
B-4	1/13/2015	--
B-5	1/13/2015	ND<0.010
B-6	1/13/2015	ND<0.010
B-7	1/13/2015	ND<0.010
B-8	1/13/2015	ND<0.010
B-9	1/12/2015	ND<0.010
B-10	1/12/2015	--
B-11	1/12/2015	ND<0.010
Screening Criteria:		
Trigger Pollutant Level (µg/L)		10
Maximum Daily Effluent Limitation (µg/L)		NE
RWQCB ESL ²		10
Toxicity Characteristic Leaching Procedure (TCLP) ³ (µg/L)		5,000
Soluble Threshold Limit Concentration (STLC) ³ (µg/L)		5,000
Total Threshold Limit Concentration (TTLC) ³ (µg/L)		500,000
Notes:		
Analyzed using EPA Method 6010B µg/kg - micrograms per kilogram ND<X - not detected at a concentration greater than the laboratory reporting limit of X NE- Not Established -- not applicable Boldtype indicates concentration exceeds Avg. Daily Effluent Limitation ¹ - General Waste Discharge Requirements for Discharge or Reuse of Extracted and Treated Groundwater Resulting from the Cleanup of Groundwater Polluted by Volatile Organic Compounds (VOC), Fuel Leaks and Other Related Wastes (VOC and Fuel General Permit) RWQCB 02-08-12 ² - Groundwater Screening Levels (groundwater is a current or potential drinking water resource) from Table F1-A; SF RWQCB ESLs ³ - TCLP, STLC, TTLC obtained from Federal (RCRA-TCLP) and State (Title 22-STLC, TTLC) Hazardous Waste Criteria		

APPENDIX A
SOIL BORING PERMITS

ORDINANCE: 04023

ENVIRONMENTAL HEALTH
SAN MATEO COUNTY

PERMIT 15- 0090



Protecting Our Health and Environment

P/E: 2010 MONITORING WELLS - INSTALLATION/DESTRUCTION

FACILITY:

INT OF BAY RD & PULGAS AVE, E PALO ALTO

OWNER:

CITY OF EAST PALO ALTO
2415 UNIVERSITY AVE 2ND FLOOR
EAST PALO ALTO

WP0010151 FA0055872
NO APN LISTED
AMOUNT PAID: 577.00

CONTRACTOR:

PENECORE DRILLING

TERMS & CONDITIONS:

MONITORING/ VAPOR WELL INSTALL (11)
CONSULTANT: NINYO & MOORE
PROJECT MGR: JASON GRANT
SEE SPECIAL CONDITIONS NOTED ON APPLICATION

DATE ISSUED: 1/7/2015

ALLISON FANG

ENVIRONMENTAL HEALTH SPECIALIST

EXPIRATION DATE: 5/7/2015

THIS PERMIT IS NONTRANSFERABLE AND MUST BE POSTED ON-SITE IN A CONSPICUOUS PLACE

Am 577.00

501858
12-31-14

2014 SUBSURFACE DRILLING PERMIT APPLICATION

SAN MATEO COUNTY ENVIRONMENTAL HEALTH SERVICES DIVISION
2000 ALAMEDA DE LAS PULGAS, SUITE 100, SAN MATEO, CA 94403
VOICE (650) 372-6200 FAX (650) 627-8244 WWW.SMCHALTH.ORG

SAN MATEO COUNTY
ENVIRONMENTAL HEALTH

DEC 31 2014

RECEIVED

FEES: ALLOW 3 FULL WORKING DAYS FOR PROCESSING PERMIT, GROUTING DATE & TIME MUST BE
\$577.00 (env. borings or any wells) SCHEDULED WITH COUNTY STAFF OR AT drilling@smcgov.org AT LEAST 2 FULL WORKING
\$361.00 (geotechnical borings only) DAYS IN ADVANCE BUT AT LEAST 1 FULL WORKING DAY AFTER APPLICATION SUBMITTAL

PURPOSE OF APPLICATION	☒ GROUNDWATER MONITORING / VAPOR WELL INSTALLATION	☐ CONSTRUCT SOIL BORINGS
	☐ GROUNDWATER MONITORING / VAPOR WELL DESTRUCTION	☐ EXTENSION OF PERMIT # _____
NO. OF WELLS _____		NO. OF BORINGS 11
WELL/BORING NAMES B-1 to B-11		

PURPOSE OF DRILLING	☒ ENVIRONMENTAL	LEAD AGENCY	☐ COUNTY GPP (permit approval is not to be considered work plan approval)
	☐ GEOTECHNICAL		☐ RWQCB/DTSC/USEPA (Provide approval letter) ☒ NONE (i.e. voluntary)

SITE/ DRILLING INFORMATION

AGENCY CASE# _____ ASSESSOR'S PARCEL # (REQUIRED) NA / Public Right-of-Way _____ (one per permit)

DRILLING LOCATION ADDRESS ~~1801-2017 Bay Road & 2470-2447 Pulgas Avenue~~ CITY East Palo Alto ZIP _____

To Be Constructed In: ☒ Public Property ☐ Private Property ☐ Refuse

Maximum Proposed Depth Wells/Borings 15 (feet) Drilling Method Direct Push

Boring Diameter 2 Casing Diameter _____ Filter Pack Interval _____ Screen Interval _____

Destruction Method (6 gallons water max per 94 lb cement, up to 5% bentonite): ☐ Pressure Grouting (provide well construction logs) ☐ Overdrilling (guide rods for total depth prior to starting required)

WELL/ BORING OWNER: (WELL/BORING OWNER NAME OR CONTACT PERSON SHOULD MATCH SIGNATURE)

NAME City of East Palo Alto CONTACT PERSON Kamal Fallaha

ADDRESS 1960 Tate Street CITY, STATE, ZIP East Palo Alto, CA 94303

TELEPHONE (650) 853-3117 EMAIL kfallaha@cityofepa.org

It is my responsibility to notify the County of any known changes in the purpose of this well/boring from that which is indicated on this application and to notify the County of any known damage to the well, and to maintain the well in good condition. (Letter signed by well/boring owner/contact person, containing above language and attesting to knowledge of all permit requirements and conditions, may be substituted for signature.)

Well/Boring Owner's/Contact Person's Signature: _____ Date: _____

PROPERTY OWNER: (NAME AS APPEARS ON ASSESSOR'S ROLES SHOULD MATCH SIGNATURE)

NAME City of East Palo Alto CONTACT PERSON Kamal Fallaha

ADDRESS 1960 Tate Street CITY, STATE, ZIP East Palo Alto, CA 94303

TELEPHONE (650) 853-3117 EMAIL kfallaha@cityofepa.org

I understand that a well/boring is being installed on my property. I agree to notify the County and Well Owner of any known damage to the well. (Letter signed by property owner, containing above language, or encroachment permit may be substituted for signature on permit application.)

Property Owner's Signature: _____ Date: _____

DRILLING COMPANY:

DRILLING COMPANY PeneCore Drilling CONTACT PERSON Tuan Nguyen

ADDRESS 220 N. East Street CITY, STATE, ZIP Woodland, CA 95776

Telephone (530) 661-3600 EMAIL Tuan@Penecore.com C57 DRILLERS LICENSE # 906899

I certify that the well/boring will be constructed in compliance with the conditions of this permit (see reverse), the San Mateo County Well Ordinance, and the State Water Well Standards, and that the license listed above is considered current and active by the Contractors State License Board.

Driller's Signature: _____ Date: _____

CONSULTANT COMPANY:

CONSULTANT COMPANY Ninyo & Moore PROJECT MANAGER Jason Grant

ADDRESS 1956 Webster Street, Suite 400 TELEPHONE (510) 343-3000

CITY, STATE, ZIP Oakland, CA 94612 EMAIL jgrant@ninyoandmoore.com

FIELD CONTACT NAME AND NUMBER (if known) Forrest McFarland, (510) 825-8358

I certify that this application is correct to the best of my knowledge and the well/boring will be constructed/destroyed in compliance with the conditions of this permit (see reverse), the San Mateo County Well Ordinance, and the State Water Well Standards. I understand that I am responsible for General Conditions "D and E" of this permit and if I indicated the purpose of drilling is geotechnical, then no one will use the boring to collect any samples for environmental analyses. (Responsible Professional must be a California Professional Geologist or Civil Engineer.)

Responsible Professional's Name (Please print legibly) Jason Grant

Responsible Professional's Signature _____ Date: 12/29/14

California Professional Geologist (PG) No. _____ or Civil Engineer (PE) No. C64624

Please see additional pages of application for requirements, general permit conditions, instructions, and fees.

Int of Bay Rd and Pulgas Ave

REQUIREMENTS:

An accurate & correct map of existing and proposed well/boring locations **must** be included with the permit application. The well/boring location map **must** include the following.

1. North arrow, existing & historic site features, wells, approximate property lines and any other pertinent existing & historic features and information.
2. Proposed well/boring locations to scale.

A work plan describing the drilling and construction/destruction methodology may be requested by County staff. Upon review of information on this application, and subject to approval noted below, a permit will be issued allowing well/boring owner, driller, and responsible professional to perform the specified work. The permit is subject to both General and Special Conditions stated below. A copy of the approved Subsurface Drilling Permit **must** be available on site while work related to the permit is being performed. Drilling may begin at the notified date and time whether County staff is present or not.

GENERAL CONDITIONS:

- A. Well and boring construction and destruction under this permit is subject to the Standards for the Construction of Wells in San Mateo County, County Groundwater Protection Program (GPP) Guidelines, Policies & Procedures, the State Water Well Standards, and any instructions by a Health Department representative.
- B. Well/Boring Owner, Driller, and Responsible Professional assume responsibility for all activities and uses under the permit, including compliance with Workmen's Compensation Laws, and indemnify, defend and save the County of San Mateo, its' officers, agents and employees, free and harmless from any and all expense, cost, or liability in connection with or resulting from work or stopped-work associated with the permit, including, but not limited to, property damage, personal injury, wrongful death, and loss of income.
- C. All borings **must** be properly destroyed (grouted/sealed) within 24 hours of drilling unless special conditions are approved in writing as part of this permit. Borings lasting longer than 24 hours without a variance are considered wells.
- D. Analytical results of all soil, vapor, and groundwater samples collected during the execution of drilling under this permit **must** be submitted to County GPP staff by the Responsible Professional within 60 days of sample collection. If contamination is discovered during drilling, verbal notification to County GPP by the Responsible Professional is **required** within 72 hours of discovery. Proper storage, labeling & disposal of investigation-derived residual wastes are the responsibility of the consultant unless stated otherwise contractually.
- E. A copy of the State DWR Form 188, boring logs and well construction details for all borings/wells except geotechnical borings, signed by a Responsible Professional, **must** be submitted to County GPP by the Responsible Professional within 60 days of drilling/construction/destruction. As-built locations/dimensions **must** be finalized in subsequent report of findings submitted to County GPP by the Responsible Professional within 60 days of drilling/construction/destruction.
- F. Permit is valid only for the purpose specified herein. No change in purpose or required procedures, as described on this permit application, in the associated workplan, or in the special conditions below, will be allowed except upon written permission from the County. Construction aspects can be changed based on conditions encountered in the field.
- G. Permit is valid for a mobilization associated with originally permitted boring/well locations only, including contingency locations, and is automatically canceled if not exercised, or if an extension is not applied for and granted within 120 days of the original permit issuance date. Failure to notify staff of cancellation or delay in start time will result in the Consultant being billed an Inspection Cancellation fee of \$264 for 2014 if GPP staff attempted to perform an inspection.
- H. Wells installed under this permit may not be used for domestic, municipal, agricultural, or irrigation water supply.
- I. All work performed **must** conform to Business and Profession Codes and State Water Well Standards.
- J. Top-of-casing elevation of all wells **must** be surveyed to the nearest 0.01-foot relative to Mean Sea Level or NAVD88 and submitted to County GPP within 60 days of drilling, and to State GeoTracker as appropriate. Geotechnical wells are exempt from this requirement if a written variance from GPP is obtained prior to drilling.
- K. Latitude and longitude of all wells **must** be surveyed with sub-meter accuracy relative to NAD83 and submitted to County GPP within 60 days of drilling, and to State GeoTracker as appropriate.
- L. Violation of any requirement or general or special permit condition may result in an order by GPP staff to cease work under this permit, correct the violation, and potentially re-permit the work as a new mobilization.

SPECIAL CONDITIONS: Please e-mail drilling@smcgv.org if your work dates of 1/12-1/13/15
change.

Please tremie grout borings if groundwater is encountered.

For Agency Use Only:

County Approval: Allison

RO/FA#

Date: 12/31/14

PERMIT APPLICATION INSTRUCTIONS AND FEES

A subsurface drilling permit is required if groundwater is anticipated to be encountered, drilling extends to 10 feet, or groundwater or vapor wells are to be installed or destroyed. San Mateo County Health System Groundwater Protection Program (GPP) is the permitting agency for all subsurface drilling for environmental and geotechnical purposes within San Mateo County except in the City of Daly City. All drilling in the City of Daly City is permitted by the City of Daly City Water and Wastewater Department at (650) 991-8200 with appropriate notification to GPP for GPP lead sites. San Mateo County Health System Land Use Program (LUP) reviews all water well permit applications (www.smhealth.org/enviro/forms) for public supply, domestic, agricultural, cathodic protection, exploratory, and geothermal heat exchange well construction and destruction and permit applications for all reconnaissance, investigation, and excavation work strictly for land use purposes. Please contact the LUP at (650) 372-6200 to discuss permitting, notification, and drilling requirements.

A 120-day extension may be granted for permits which have not been used during the original 120-day time frame. Submit another Subsurface Drilling Permit Application and payment for the permit extension fee at 50% of the fee for the type of drilling. Extension must be requested prior to the original permit expiring. If there are several wells and borings over several contiguous assessor's parcels and public right-of-ways, then discuss the fee with the County inspector for that district by calling the main number at the top of the application. The County inspector may charge only one fee for borings and wells constructed across contiguous assessor's parcels and public right-of-ways. However, this is dependent on how much the County inspector believes will need to be inspected in the field and how much review time of required submittals will be needed.

Section 1: Purpose of Application

At least one of the four boxes must be selected; however, multiple boxes may be selected as long as all of the wells and borings are on the same assessor's parcel or public right-of-way (see Section 4). A **boring** under this permit application is defined as a constructed hole lasting less than 24 hours before being properly destroyed. After 24 hours, the constructed hole is considered a **well** under this permit application which needs to be constructed appropriately unless special conditions are approved as part of the permit. If Permit Extension is selected, then write in the permit number of the permit to be extended. List the number of wells and borings anticipated to be drilled and what they will be named. This number may change in the field based on conditions encountered.

Section 2: Purpose of Drilling

At least one of the two boxes must be selected; however, both boxes may be selected as long as both purposes of drilling are to be conducted on the same assessor's parcel or public right-of-way (see Section 4). Geotechnical Drilling may also be conducted under San Mateo County's Annual Geotechnical Drilling Permit in which consulting companies pay an annual fee of \$721 for 2014 to perform this type of drilling an unlimited amount of times for 365 days after obtaining the Annual Geotechnical Drilling Permit. Please note, a Notification Form similar to this Subsurface Drilling Permit Application must be completely filled out and submitted at least 2 business days (48 hours) prior to drilling under the Annual Geotechnical Drilling Permit.

Section 3: Lead Agency

One of the three boxes must be selected. The **County Groundwater Protection Program** would be selected only for investigations of known contaminated sites that the County is the lead agency. For drilling required by the Regional Water Quality Control Board (**RWQCB**), Department of Toxic Substances Control (**DTSC**), or the United States Environmental Protection Agency (**USEPA**), please include a copy of their approval letter. **None** would refer to investigations required by the County CUPA (Hazardous Materials Program), County Land Use or Solid Waste Programs, County or City Planning or Building Departments or voluntary investigations for due diligence or property transactions.

Section 4: Drilling Information

All applicable spaces must be filled in. **Agency Case #** refers to the lead agency's case number, if overseen by an agency, for the project under which the investigation is being conducted. **Assessor's parcel number** is the 9-digit number corresponding to the specific private property drilling is proposed to be conducted on (County Assessor's web site wecare.co.sanmateo.ca.us under Property Assessment or www.sanmateocountytaxcollector.org under Secured Property Taxes). Each permit **must** include only one assessor's parcel number. If the drilling is to be conducted only in public right-of-ways, then the assessor's parcel number space should be filled in with NA for not applicable. If drilling is to occur on both a private property and a contiguous public right-of-way, then two permits (one for the private property and one for the public right-of-way) must be filled out. **Address, City, and Zip** refer to the location of the specific property drilling is proposed to be conducted on. The Address for a public right-of-way would simply be the name of the specific section of the public right-of-way (such as 100s block of Main Street). **To be Constructed in** must have one box selected. Again, this differentiates between a public right-of-way and a private property. **Refuse** is a special land use designation which needs to be indicated on the permit application.

PERMIT APPLICATION INSTRUCTIONS AND FEES (CONTINUED)

Section 4: Drilling Information (continued)

The rest of this section is self-explanatory, may change in the field based on conditions encountered, and must be filled in except for **Development Method** and **Destruction Method** unless applicable. Schematics may be submitted instead of filling in the well construction details, particularly if wells will be constructed differently from each other.

Destruction Method requires the use of a maximum of 6 gallons of water per 94 pounds of cement. This measurement (for both water and cement) must be able to be demonstrated in the field upon request from the inspector (such as using a 5-gallon bucket for measuring the water and using entire bags of cement). For **pressure grouting**, the well construction log must be submitted. The sand pack may not be more than 3 feet above the top of the screened interval, the screened interval may not be longer than 25 feet, and the bottom of the original boring may not be more than 2 feet deeper than the bottom of the constructed well. The total depth of the well and the fact that there are no obstructions in the well must be verified in the field. Type I/II cement grout must be tremmied into the well, followed by application of 25 psi pressure maintained for 5 minutes (which should be able to be demonstrated in the field). If the well does not meet pressure grouting criteria, it must be destroyed by drilling out to the total depth of the original boring. For **overdrilling**, the well casing and all annular material must be removed using a guide rod for the entire depth of the well prior to drilling, and the boring tremmie grouted to the surface using Type I/II cement grout. A general observation is that grouting borings using a ¾ inch PVC pipe, typically used to collect grab groundwater samples in borings, does not work with a screened section. Free falling grout is only allowed if the boring is dry, or if water is present in less than 10% of the boring, and less than 30 feet deep.

Section 5: Well/Boring Owner

The **name** of the entity owning the wells and borings must be listed along with their contact person (if different from the name of the well/boring owner), address, telephone number, and email address. The **contact person** must be directly associated with or an agent of the entity owning the wells and borings such as a property manager, real estate manager, contractor, or lawyer but not the environmental consultant listed on the permit application in Section 8. A **telephone** number and an **email** address must be provided to allow the inspector to contact the well/boring owner to verify information if necessary. By providing an email address, the well/boring owner will receive an electronic copy of the permit. The permit application must be **signed** and **dated** by either the entity listed as the owner of the wells and borings or the contact person. **Signatures (Sections 5 through 8)** do not need to be original; however, one copy of the permit application must contain all of the information besides the signatures in a legible format. **ALL SIGNATURES REQUIRED (SECTIONS 5 THROUGH 8) DO NOT NEED TO BE ON THE SAME COPY OF THE PERMIT APPLICATION.**

Section 6: Property Owner

The **name** of the entity owning the property must be listed and needs to match the name listed with the County Assessor for this property. The **contact person** must be directly associated with or an agent of the entity owning the property such as a property manager, real estate manager, contractor, or lawyer but not the environmental consultant listed on the permit application in Section 8. A **telephone** number and an **email** address must be provided to allow the inspector to contact the property owner to verify information if necessary. By providing an email address, the property owner will receive an electronic copy of the permit. The permit application must be signed and dated by the entity listed as the property owner only. **AGENTS CAN NOT SIGN FOR THE PROPERTY OWNER.** For public rights-of-way, a copy of the Encroachment permit can be substituted for the property owner signature. The City of San Mateo, among others, will not issue an encroachment permit until the subsurface drilling permit is issued, but the City of San Mateo will issue a letter of intent to issue an encroachment permit which is acceptable as a substitute for the property owner signature in City of San Mateo rights-of-way.

Section 7: Drilling Company

The **name** of the company proposed to drill the wells and borings must be listed along with the drilling company **contact person**, address, telephone number, and email address. In addition, the **driller's C57 license number** must be provided. A **telephone** number and an **email** address must be provided to allow the inspector to contact the drilling company to verify information if necessary. By providing an email address, the drilling company will receive an electronic copy of the permit. The permit application must be signed and dated by the driller's contact person. If the drilling company changes, then a new subsurface drilling permit application should be filled out completely except for Sections 5, 6, and 8.

Section 8: Consulting Company

The **name** of the company overseeing the proposed drilling of the wells and borings must be listed along with the **project manager**, address, **telephone** number, and **email** address. The responsible professional overseeing the work must **print** their name legibly, **sign** their name and date, and provide either their **California Professional Geologist or Civil Engineering** number. Field contact name and number, if known, are optional but beneficial for all parties involved.

2014 SUBSURFACE DRILLING PERMIT APPLICATION

SAN MATEO COUNTY ENVIRONMENTAL HEALTH SERVICES DIVISION

2000 ALAMEDA DE LAS PULGAS, SUITE 100, SAN MATEO, CA 94403

VOICE (650) 372-6200 FAX (650) 627-8244 WWW.SMCHEALTH.ORG

FEES:

\$577.00 (env. borings or any wells)

\$361.00 (geotechnical borings only)

ALLOW 3 FULL WORKING DAYS FOR PROCESSING PERMIT, GROUTING DATE & TIME MUST BE

SCHEDULED WITH COUNTY STAFF OR AT drilling@smcgov.org AT LEAST 2 FULL WORKING

DAYS IN ADVANCE BUT AT LEAST 1 FULL WORKING DAY AFTER APPLICATION SUBMITTAL

PURPOSE OF APPLICATION	☒ GROUNDWATER MONITORING / VAPOR WELL INSTALLATION	☐ CONSTRUCT SOIL BORINGS
	☐ GROUNDWATER MONITORING / VAPOR WELL DESTRUCTION	☐ EXTENSION OF PERMIT # _____
NO. OF WELLS _____		NO. OF BORINGS 11
		WELL/BORING NAMES B-1 to B-11

PURPOSE OF DRILLING	☒ ENVIRONMENTAL	LEAD AGENCY	☐ COUNTY GPP (permit approval is not to be considered work plan approval)
	☐ GEOTECHNICAL		☐ RWOCB/DTSC/USEPA (Provide approval letter) ☒ NONE (i.e. voluntary)

SITE/ DRILLING INFORMATION

AGENCY CASE# _____ ASSESSOR'S PARCEL # (REQUIRED) NA / Public Right-of-Way _____ (one per permit)

DRILLING LOCATION ADDRESS 1801-2017 Bay Road & 2470-2447 Pulgas Avenue CITY East Palo Alto ZIP _____

To Be Constructed In: ☒ Public Property ☐ Private Property ☐ Refuse

Maximum Proposed Depth Wells/Borings 15 (feet) Drilling Method Direct Push

Boring Diameter 2 Casing Diameter _____ Filter Pack Interval _____ Screen Interval _____

Destruction Method (6 gallons water max per 94 lb cement, up to 5% bentonite): ☐ Pressure Grouting (provide well construction logs) ☐ Overdrilling (guide rods for total depth prior to starting required)

WELL/ BORING OWNER: (WELL/BORING OWNER NAME OR CONTACT PERSON SHOULD MATCH SIGNATURE)

NAME City of East Palo Alto	CONTACT PERSON Kamal Fallaha
ADDRESS 1960 Tate Street	CITY, STATE, ZIP East Palo Alto, CA 94303
TELEPHONE (650) 853-3117	EMAIL kfallaha@cityofepa.org

It is my responsibility to notify the County of any known changes in the purpose of this well/boring from that which is indicated on this application and to notify the County of any known damage to the well, and to maintain the well in good condition. (Letter signed by well/boring owner/contact person, containing above language and attesting to knowledge of all permit requirements and conditions, may be substituted for signature.)

Well/Boring Owner's/Contact Person's Signature: _____ Date: _____

PROPERTY OWNER: (NAME AS APPEARS ON ASSESSOR'S ROLES SHOULD MATCH SIGNATURE)

NAME City of East Palo Alto	CONTACT PERSON Kamal Fallaha
ADDRESS 1960 Tate Street	CITY, STATE, ZIP East Palo Alto, CA 94303
TELEPHONE (650) 853-3117	EMAIL kfallaha@cityofepa.org

I understand that a well/boring is being installed on my property. I agree to notify the County and Well Owner of any known damage to the well. (Letter signed by property owner, containing above language, or encroachment permit may be substituted for signature on permit application.)

Property Owner's Signature: _____ Date: _____

DRILLING COMPANY:

DRILLING COMPANY PeneCore Drilling	CONTACT PERSON Tuan Nguyen
ADDRESS 220 N. East Street	CITY, STATE, ZIP Woodland, CA 95776
Telephone (530) 661-3600	EMAIL Tuan@Penecore.com
	C57 DRILLERS LICENSE # 906899

I certify that the well/boring will be constructed in compliance with the conditions of this permit (see reverse), the San Mateo County Well Ordinance, and the State Water Well Standards, and that the license listed above is considered current and active by the Contractors State License Board.

Driller's Signature: _____ Date: 12/29/14

CONSULTANT COMPANY:

CONSULTANT COMPANY Ninyo & Moore	PROJECT MANAGER Jason Grant
ADDRESS 1956 Webster Street, Suite 400	TELEPHONE (510) 343-3000
CITY, STATE, ZIP Oakland, CA 94612	EMAIL jgrant@ninyoandmoore.com

FIELD CONTACT NAME AND NUMBER (if known) Forrest McFarland, (510) 825-8358

I certify that this application is correct to the best of my knowledge and the well/boring will be constructed/destroyed in compliance with the conditions of this permit (see reverse), the San Mateo County Well Ordinance, and the State Water Well Standards. I understand that I am responsible for General Conditions "D and E" of this permit and if I indicated the purpose of drilling is geotechnical, then no one will use the boring to collect any samples for environmental analyses. (Responsible Professional must be a California Professional Geologist or Civil Engineer.)

Responsible Professional's Name (Please print legibly) Jason Grant

Responsible Professional's Signature _____ Date: _____

California Professional Geologist (PG) No. _____ or Civil Engineer (PE) No. _____

Please see additional pages of application for requirements, general permit conditions, instructions, and fees.

2014 SUBSURFACE DRILLING PERMIT APPLICATION

SAN MATEO COUNTY ENVIRONMENTAL HEALTH SERVICES DIVISION

2000 ALAMEDA DE LAS PULGAS, SUITE 100, SAN MATEO, CA 94403

VOICE (650) 372-6200 FAX (650) 627-8244 WWW.SMCHEALTH.ORG

FEES:

\$577.00 (env. borings or any wells)

\$361.00 (geotechnical borings only)

ALLOW 3 FULL WORKING DAYS FOR PROCESSING PERMIT, GROUTING DATE & TIME MUST BE

SCHEDULED WITH COUNTY STAFF OR AT drilling@smcgov.org AT LEAST 2 FULL WORKING

DAYS IN ADVANCE BUT AT LEAST 1 FULL WORKING DAY AFTER APPLICATION SUBMITTAL

PURPOSE OF APPLICATION	☒ GROUNDWATER MONITORING / VAPOR WELL INSTALLATION	☐ CONSTRUCT SOIL BORINGS
	☐ GROUNDWATER MONITORING / VAPOR WELL DESTRUCTION	☐ EXTENSION OF PERMIT # _____
NO. OF WELLS _____		NO. OF BORINGS 11
		WELL/BORING NAMES B-1 to B-11

PURPOSE OF DRILLING	☒ ENVIRONMENTAL	LEAD AGENCY	☐ COUNTY GPP (permit approval is not to be considered work plan approval)
	☐ GEOTECHNICAL		☐ RWQCB/DTSC/USEPA (Provide approval letter) ☒ NONE (i.e. voluntary)

SITE/ DRILLING INFORMATION

AGENCY CASE# _____ ASSESSOR'S PARCEL # (REQUIRED) NA / Public Right-of-Way _____ (one per permit)

DRILLING LOCATION ADDRESS 1801-2017 Bay Road & 2470-2447 Pulgas Avenue CITY East Palo Alto ZIP _____

To Be Constructed In: ☒ Public Property ☐ Private Property ☐ Refuse

Maximum Proposed Depth Wells/Borings 15 (feet) Drilling Method Direct Push

Boring Diameter 2 Casing Diameter _____ Filter Pack Interval _____ Screen Interval _____

Destruction Method (6 gallons water max per 94 lb cement, up to 5% bentonite): ☐ Pressure Grouting (provide well construction logs)
☐ Overdrilling (guide rods for total depth prior to starting required)

WELL/ BORING OWNER: (WELL/BORING OWNER NAME OR CONTACT PERSON SHOULD MATCH SIGNATURE)

NAME City of East Palo Alto

CONTACT PERSON Kamal Fallaha / *Maziar Bozorginia*

ADDRESS 1960 Tate Street

CITY, STATE, ZIP East Palo Alto, CA 94303

TELEPHONE (650) 853-3117

EMAIL kfallaha@cityofepa.org

It is my responsibility to notify the County of any known changes in the purpose of this well/boring from that which is indicated on this application and to notify the County of any known damage to the well, and to maintain the well in good condition. (Letter signed by well/boring owner/contact person, containing above language and attesting to knowledge of all permit requirements and conditions, may be substituted for signature.)

Well/Boring Owner's/Contact Person's Signature: *Maziar Bozorginia* for Kamal Fallaha Date: 12/29/14

PROPERTY OWNER: (NAME AS APPEARS ON ASSESSOR'S ROLES SHOULD MATCH SIGNATURE)

NAME City of East Palo Alto

CONTACT PERSON Kamal Fallaha / *Maziar Bozorginia*

ADDRESS 1960 Tate Street

CITY, STATE, ZIP East Palo Alto, CA 94303

TELEPHONE (650) 853-3117

EMAIL kfallaha@cityofepa.org

I understand that a well/boring is being installed on my property. I agree to notify the County and Well Owner of any known damage to the well. (Letter signed by property owner, containing above language, or encroachment permit may be substituted for signature on permit application.)

Property Owner's Signature: *Maziar Bozorginia* for Kamal Fallaha Date: 12/29/14

DRILLING COMPANY:

DRILLING COMPANY PeneCore Drilling

CONTACT PERSON Tuan Nguyen

ADDRESS 220 N. East Street

CITY, STATE, ZIP Woodland, CA 95776

Telephone (530) 661-3600

EMAIL Tuan@Penecore.com

C57 DRILLERS LICENSE # 906899

I certify that the well/boring will be constructed in compliance with the conditions of this permit (see reverse), the San Mateo County Well Ordinance, and the State Water Well Standards, and that the license listed above is considered current and active by the Contractors State License Board.

Driller's Signature: _____ Date: _____

CONSULTANT COMPANY:

CONSULTANT COMPANY Ninyo & Moore

PROJECT MANAGER Jason Grant

ADDRESS 1956 Webster Street, Suite 400

TELEPHONE (510) 343-3000

CITY, STATE, ZIP Oakland, CA 94612

EMAIL jgrant@ninyoandmoore.com

FIELD CONTACT NAME AND NUMBER (if known) Forrest McFarland, (510) 825-8358

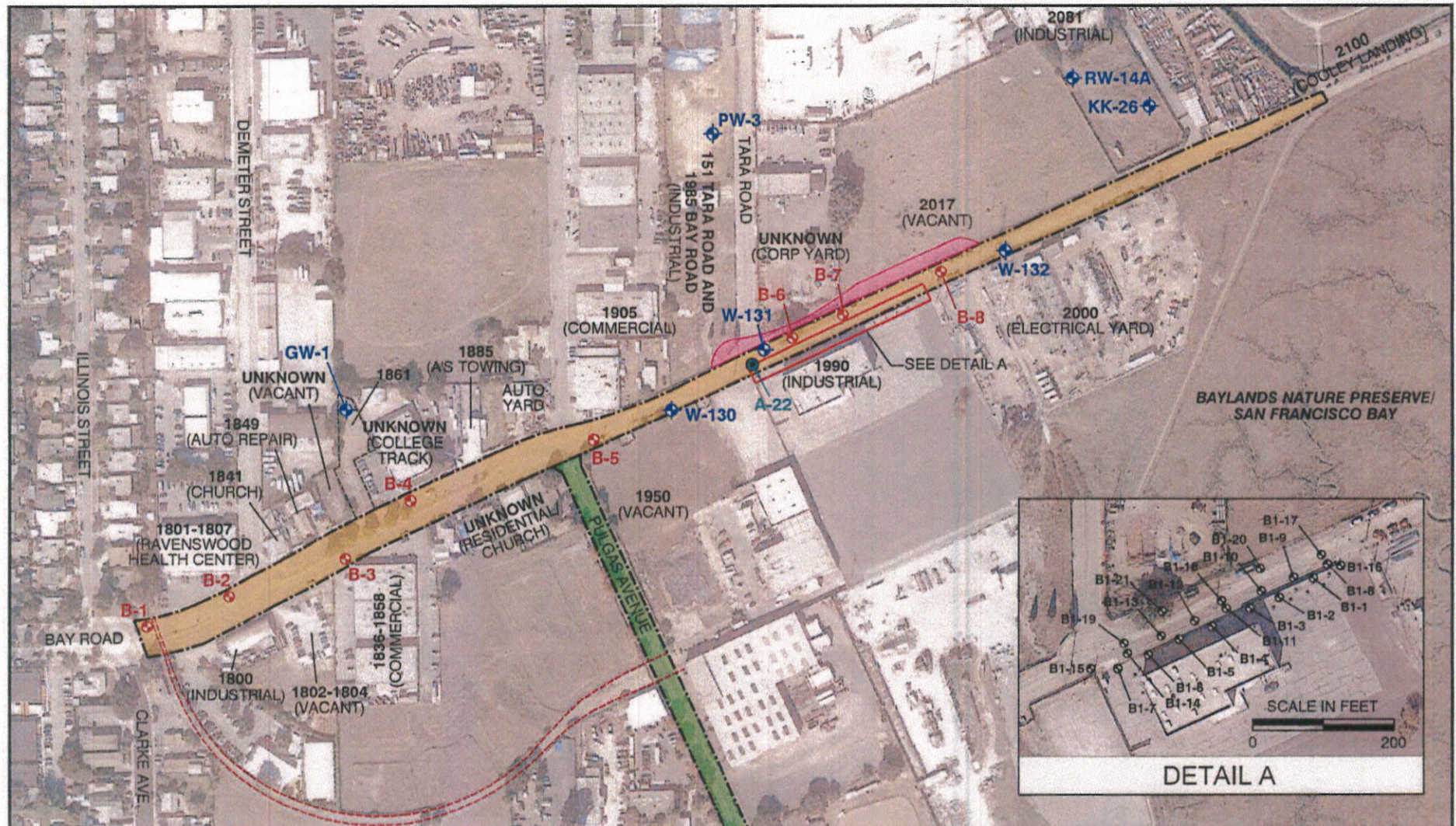
I certify that this application is correct to the best of my knowledge and the well/boring will be constructed/destroyed in compliance with the conditions of this permit (see reverse), the San Mateo County Well Ordinance, and the State Water Well Standards. I understand that I am responsible for General Conditions "D and E" of this permit and if I indicated the purpose of drilling is geotechnical, then no one will use the boring to collect any samples for environmental analyses. (Responsible Professional must be a California Professional Geologist or Civil Engineer.)

Responsible Professional's Name (Please print legibly) Jason Grant

Responsible Professional's Signature _____ Date: _____

California Professional Geologist (PG) No. _____ or Civil Engineer (PE) No. _____

Please see additional pages of application for requirements, general permit conditions, instructions, and fees.



REFERENCE: GOOGLE EARTH IMAGERY, 2011.

LEGEND

- | | | | |
|--------------|--|--|---|
| B-8 | PROPOSED APPROXIMATE PHASE II ESA BORING LOCATIONS | | SEGMENT 1 SITE BOUNDARY |
| W-131 | 1990 BAY ROAD MONITORING WELL | | PARTIAL OF SEGMENT 2 SITE BOUNDARY |
| A-22 | 1990 BAY ROAD MANHOLE SEWER SAMPLING POINT | | 1992 EXCAVATION OF SOIL EXCEEDING 70 mg/kg OF ARSENIC |
| | | | RAILWAY SPUR |

Ninyo & Moore

BORING LOCATIONS - SEGMENT 1

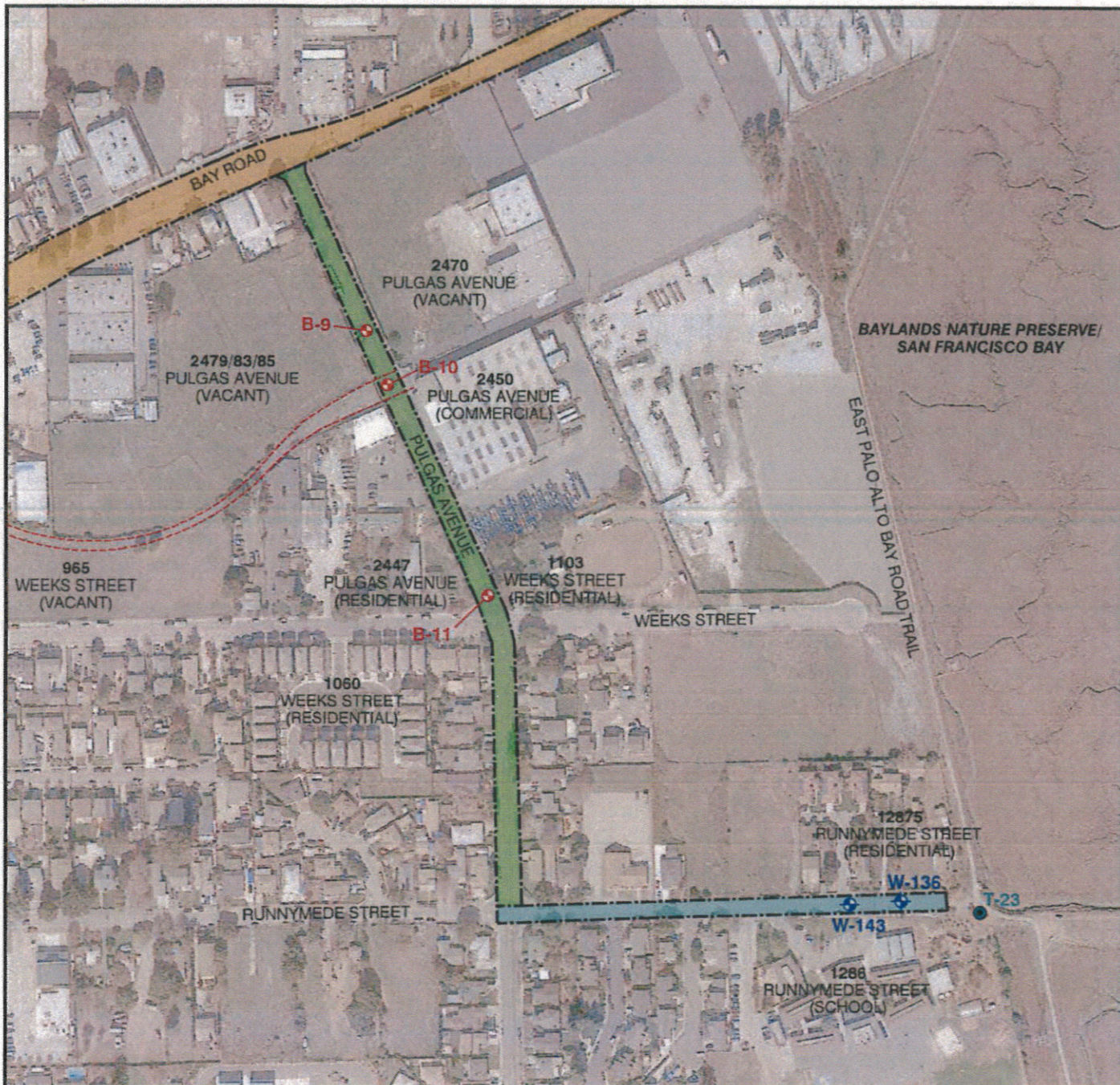
PROJECT NO.	DATE
402068001	9/14

PHASE II ENVIRONMENTAL SITE ASSESSMENT WORK PLAN
BAY ROAD
EAST PALO ALTO, CALIFORNIA

FIGURE

2

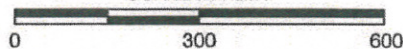
SCALE IN FEET
0 300 600
NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.



REFERENCE: GOOGLE EARTH IMAGERY, 2014.



SCALE IN FEET



NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

LEGEND

- SEGMENT 2 SITE BOUNDARY
- SEGMENT 3 SITE BOUNDARY
- PARTIAL OF SEGMENT 1 SITE BOUNDARY
- B-11 ● PROPOSED APPROXIMATE PHASE II ESA BORING LOCATIONS
- W-146 ● 1990 BAY ROAD MONITORING WELL
- T-23 ● 1990 BAY ROAD MANHOLE SEWER SAMPLING POINT
- RAILWAY SPUR

Ningo & Moore

BORING LOCATIONS - SEGMENTS 2 AND 3

FIGURE

PROJECT NO.	DATE
402068001	9/14

PHASE II ENVIRONMENTAL SITE ASSESSMENT WORK PLAN
BAY ROAD
EAST PALO ALTO, CALIFORNIA

3

December 30, 2014

San Mateo County Environmental Health Services Division
2000 Alameda De Las Pulgas, Suite 100
San Mateo, California 94403

SAN MATEO COUNTY
ENVIRONMENTAL HEALTH

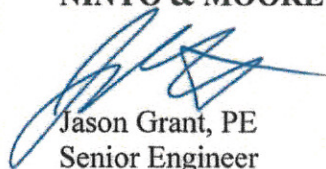
DEC 31 2014

RECEIVED

Subject: Subsurface Drilling Permit Application
1801-2017 Bay Road & 2470-2447 Pulgas Avenue, East Palo Alto, California

Ninyo & Moore is submitting the enclosed "Subsurface Drilling Permit Application" for 11 environmental soil borings to be advanced in the public right-of-ways 1801-2017 Bay Road and 2470-2477 Pulgas Avenue, East Palo Alto, California. This drilling activity is part of the City of East Palo Alto's Bay Road Improvements Project, Phases 2 and 3. Included with the signed copies of the permit application are two maps showing the locations of the 11 borings (please look for the red borings identified as B-1 through B-11), and a \$577 check for the permit fee. This work is currently scheduled for January 12 and 13. Please call me at (510) 343-3000 x15202 should there be any questions regarding this application.

Sincerely,
NINYO & MOORE



Jason Grant, PE
Senior Engineer

JG/ vmp

Attachments: Signed Permit Application (3 copies)
Figure 2. Boring Locations – Segment 1
Figure 3. Boring Locations – Segments 2 and 3
Check No. 501858, 12/20/2014, \$577.00

APPENDIX B
SOIL BORING LOGS

DEPTH (feet)		BULK SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	BORING LOG EXPLANATION SHEET
0								Bulk sample.
								Modified split-barrel drive sampler.
								2-inch inner diameter split-barrel drive sampler.
								No recovery with modified split-barrel drive sampler, or 2-inch inner diameter split-barrel drive sampler.
								Sample retained by others.
5								Standard Penetration Test (SPT).
								No recovery with a SPT.
			XX/XX					Shelby tube sample. Distance pushed in inches/length of sample recovered in inches.
								No recovery with Shelby tube sampler.
								Continuous Push Sample.
10								Seepage.
								Groundwater encountered during drilling.
								Groundwater measured after drilling.
							SM	<u>MAJOR MATERIAL TYPE (SOIL):</u> Solid line denotes unit change.
							CL	Dashed line denotes material change.
15								Attitudes: Strike/Dip b: Bedding c: Contact j: Joint f: Fracture F: Fault cs: Clay Seam s: Shear bss: Basal Slide Surface sf: Shear Fracture sz: Shear Zone sbs: Shear Bedding Surface
								The total depth line is a solid line that is drawn at the bottom of the boring.
20								

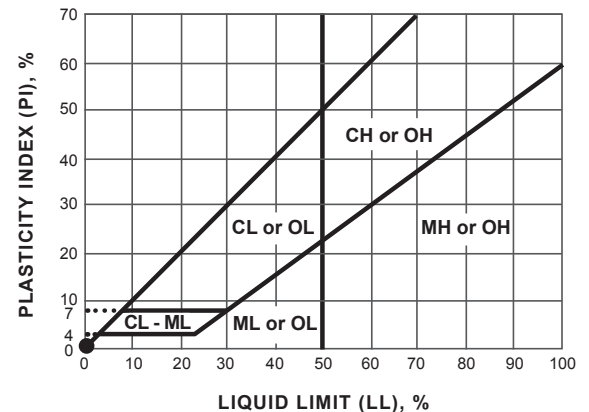
SOIL CLASSIFICATION CHART PER ASTM D 2488

PRIMARY DIVISIONS			SECONDARY DIVISIONS				
			GROUP SYMBOL		GROUP NAME		
COARSE-GRAINED SOILS more than 50% retained on No. 200 sieve	GRAVEL more than 50% of coarse fraction retained on No. 4 sieve	CLEAN GRAVEL less than 5% fines		GW	well-graded GRAVEL		
				GP	poorly graded GRAVEL		
		GRAVEL with DUAL CLASSIFICATIONS 5% to 12% fines		GW-GM	well-graded GRAVEL with silt		
				GP-GM	poorly graded GRAVEL with silt		
				GW-GC	well-graded GRAVEL with clay		
				GP-GC	poorly graded GRAVEL with clay		
		GRAVEL with FINES more than 12% fines		GM	silty GRAVEL		
				GC	clayey GRAVEL		
	SAND 50% or more of coarse fraction passes No. 4 sieve	CLEAN SAND less than 5% fines		SW	well-graded SAND		
				SP	poorly graded SAND		
		SAND with DUAL CLASSIFICATIONS 5% to 12% fines		SW-SM	well-graded SAND with silt		
				SP-SM	poorly graded SAND with silt		
				SW-SC	well-graded SAND with clay		
				SP-SC	poorly graded SAND with clay		
		SAND with FINES more than 12% fines		SM	silty SAND		
				SC	clayey SAND		
				SC-SM	silty, clayey SAND		
		FINE-GRAINED SOILS 50% or more passes No. 200 sieve	SILT and CLAY liquid limit less than 50%	INORGANIC		CL	lean CLAY
						ML	SILT
ORGANIC				CL-ML	silty CLAY		
				OL (PI > 4)	organic CLAY		
SILT and CLAY liquid limit 50% or more	INORGANIC			OL (PI < 4)	organic SILT		
				CH	fat CLAY		
	ORGANIC			MH	elastic SILT		
				OH (plots on or above "A"-line)	organic CLAY		
				OH (plots below "A"-line)	organic SILT		
			Highly Organic Soils			PT	Peat

GRAIN SIZE

DESCRIPTION		SIEVE SIZE	GRAIN SIZE	APPROXIMATE SIZE
Boulders		> 12"	> 12"	Larger than basketball-sized
Cobbles		3 - 12"	3 - 12"	Fist-sized to basketball-sized
Gravel	Coarse	3/4 - 3"	3/4 - 3"	Thumb-sized to fist-sized
	Fine	#4 - 3/4"	0.19 - 0.75"	Pea-sized to thumb-sized
Sand	Coarse	#10 - #4	0.079 - 0.19"	Rock-salt-sized to pea-sized
	Medium	#40 - #10	0.017 - 0.079"	Sugar-sized to rock-salt-sized
	Fine	#200 - #40	0.0029 - 0.017"	Flour-sized to sugar-sized
Fines		Passing #200	< 0.0029"	Flour-sized and smaller

PLASTICITY CHART



APPARENT DENSITY - COARSE-GRAINED SOIL

APPARENT DENSITY	SPOOLING CABLE OR CATHEAD		AUTOMATIC TRIP HAMMER	
	SPT (blows/foot)	MODIFIED SPLIT BARREL (blows/foot)	SPT (blows/foot)	MODIFIED SPLIT BARREL (blows/foot)
Very Loose	≤ 4	≤ 8	≤ 3	≤ 5
Loose	5 - 10	9 - 21	4 - 7	6 - 14
Medium Dense	11 - 30	22 - 63	8 - 20	15 - 42
Dense	31 - 50	64 - 105	21 - 33	43 - 70
Very Dense	> 50	> 105	> 33	> 70

CONSISTENCY - FINE-GRAINED SOIL

CONSISTENCY	SPOOLING CABLE OR CATHEAD		AUTOMATIC TRIP HAMMER	
	SPT (blows/foot)	MODIFIED SPLIT BARREL (blows/foot)	SPT (blows/foot)	MODIFIED SPLIT BARREL (blows/foot)
Very Soft	< 2	< 3	< 1	< 2
Soft	2 - 4	3 - 5	1 - 3	2 - 3
Firm	5 - 8	6 - 10	4 - 5	4 - 6
Stiff	9 - 15	11 - 20	6 - 10	7 - 13
Very Stiff	16 - 30	21 - 39	11 - 20	14 - 26
Hard	> 30	> 39	> 20	> 26

Ninyo & Moore

USCS METHOD OF SOIL CLASSIFICATION

Explanation of USCS Method of Soil Classification

PROJECT NO.

DATE

FIGURE

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED <u>1/14/15</u> BORING NO. <u>B-1</u> GROUND ELEVATION _____ SHEET <u>1</u> OF <u>1</u> METHOD OF DRILLING <u>Geoprobe</u> DRIVE WEIGHT _____ NA DROP _____ NA SAMPLED BY <u>FSM</u> LOGGED BY <u>FSM</u> REVIEWED BY _____ DESCRIPTION/INTERPRETATION		
	Bulk	Driven									
0								SM	<u>ASPHALT: Approximately 3 inches thick.</u> Brown, moist, loose, silty SAND with gravel, fine subangular gravel, fine-grained sand. Grades dark brown, moist, medium dense, decreasing gravel. Dark brown, moist, medium dense, silty SAND, trace gravel. Dark brown, moist, medium dense, silty SAND, trace gravel		
10									Total depth= 10 Feet Groundwater not encountered in borehole. Backfill with neat cement.		
15											
20											



BORING LOG

BAY ROAD
EAST PALO ALTO, CALIFORNIA

PROJECT NO. 402068001	DATE 2/15	FIGURE
--------------------------	--------------	--------

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED <u>1/14/15</u> BORING NO. <u>B-3</u> GROUND ELEVATION _____ SHEET <u>1</u> OF <u>1</u> METHOD OF DRILLING <u>Geoprobe</u> DRIVE WEIGHT _____ NA DROP _____ NA SAMPLED BY <u>FSM</u> LOGGED BY <u>FSM</u> REVIEWED BY _____ DESCRIPTION/INTERPRETATION
	Bulk	Driven							
0									ASPHALT: Approximately 4 inches thick. CONCRETE: Approximately 6 inches thick. Dark brown, moist, loose, well graded GRAVEL with sand, fine subangular gravel, fine to coarse-grained sand, trace silt. Refusal at 1.5 feet. Total depth= 1.5 feet. Groundwater not observed in borehole. Backfill with neat cement
								GW	
5									
10									
15									
20									

Ninyo & Moore

BORING LOG

BAY ROAD
EAST PALO ALTO, CALIFORNIA

PROJECT NO.
402068001

DATE
2/15

FIGURE

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED <u>1/14/15</u> BORING NO. <u>B-4</u> GROUND ELEVATION _____ SHEET <u>1</u> OF <u>1</u> METHOD OF DRILLING <u>Geoprobe</u> DRIVE WEIGHT _____ NA DROP _____ NA SAMPLED BY <u>FSM</u> LOGGED BY <u>FSM</u> REVIEWED BY _____ DESCRIPTION/INTERPRETATION
	Bulk	Driven							
0									ASPHALT: Approximately 4 inches thick. CONCRETE: Approximately 6 inches thick. Dark yellowish brown, moist, loose, well graded GRAVEL with sand, fine to coarse-grained sand. Refusal at 1.5 feet. Total depth= 1.5 Feet Groundwater not encountered in borehole. Backfill with neat cement.
								GW	
5									
10									
15									
20									

Ninyo & Moore

BORING LOG

BAY ROAD
EAST PALO ALTO, CALIFORNIA

PROJECT NO.
402068001

DATE
2/15

FIGURE

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED <u>1/13/15</u> BORING NO. <u>B-5</u>	
	Bulk	Driven							GROUND ELEVATION _____ SHEET <u>1</u> OF <u>1</u>	METHOD OF DRILLING <u>Geoprobe</u>
									DRIVE WEIGHT _____ NA DROP _____ NA	
									SAMPLED BY <u>FSM</u> LOGGED BY <u>FSM</u> REVIEWED BY _____	
									DESCRIPTION/INTERPRETATION	
0								SM	Brown, moist, loose, silty SAND with gravel; fine subangular gravel, fine to coarse-grained sand.	
5									Grades very dark grayish brown, moist, loose; decreasing gravel.	
				Δ				ML	Dark yellowish brown, moist, soft; sandy SILT, trace fine subangular gravel, fine-grained sand, low plasticity.	
10									Grades wet.	
									Total depth= 10 feet.	
									Groundwater encountered at 6.5 feet below ground surface.	
									Backfill with neat cement	
15										
20										



BORING LOG

BAY ROAD
EAST PALO ALTO, CALIFORNIA

PROJECT NO.
402068001

DATE
2/15

FIGURE

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED <u>1/13/15</u> BORING NO. <u>B-6</u>	
	Bulk	Driven							GROUND ELEVATION _____ SHEET <u>1</u> OF <u>1</u>	METHOD OF DRILLING <u>Geoprobe</u>
									DRIVE WEIGHT _____ NA DROP _____ NA	
									SAMPLED BY <u>FSM</u> LOGGED BY <u>FSM</u> REVIEWED BY _____	
									DESCRIPTION/INTERPRETATION	
0								SM	Brown, moist, loose, silty SAND with gravel, fine subangular gravel, fine to coarse-grained sand.	
5								ML	Dark yellowish brown, wet, soft, sandy SILT; trace fine subangular gravel, fine-grained sand, low plasticity.	
10									Total depth= 10 Feet	
									Groundwater encountered at 5.0 feet below surface.	
									Backfill with neat cement.	
15										
20										

Ninyo & Moore

BORING LOG

BAY ROAD
EAST PALO ALTO, CALIFORNIA

PROJECT NO.
402068001

DATE
2/15

FIGURE

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED <u>1/13/15</u> BORING NO. <u>B-7</u> GROUND ELEVATION _____ SHEET <u>1</u> OF <u>1</u> METHOD OF DRILLING <u>Geoprobe</u> DRIVE WEIGHT _____ NA DROP _____ NA SAMPLED BY <u>FSM</u> LOGGED BY <u>FSM</u> REVIEWED BY _____ DESCRIPTION/INTERPRETATION		
	Bulk	Driven									
0								SW	Olive, dry, loose, well graded SAND with gravel, fine to coarse subangular gravel, fine to coarse-grained sand.		
								ML	Very dark grayish brown, moist, soft, sandy SILT, fine-grained sand, low plasticity.		
5									Brown, wet, soft, sandy SILT, low plasticity.		
								SM	Brown, wet, loose, silty SAND, fine to coarse-grained sand.		
10									Total depth= 10 Feet		
									Groundwater encountered at 5.5 feet below ground surface.		
									Backfill with neat cement.		
15											
20											

Ninyo & Moore

BORING LOG

BAY ROAD
EAST PALO ALTO, CALIFORNIA

PROJECT NO.
402068001

DATE
2/15

FIGURE

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED 1/13/15 BORING NO. B-8	
	Bulk	Driven							GROUND ELEVATION	SHEET 1 OF 1
									METHOD OF DRILLING Geoprobe	
									DRIVE WEIGHT NA DROP NA	
									SAMPLED BY FSM LOGGED BY FSM REVIEWED BY	
									DESCRIPTION/INTERPRETATION	
0								SW	Olive gray, moist, loose, well graded SAND with gravel, fine to coarse subangular gravel, fine to coarse-grained sand.	
								ML	Very dark brown, moist, soft, sandy SILT, fine-grained sand, low plasticity. Grades yellowish brown.	
5								ML	Yellowish brown, wet, soft, sandy SILT, fine-grained sand, wood fragments.	
10								SM	Wet, loose, silty SAND, fine-grained sand.	
									Total depth= 10 Feet Groundwater encountered at 5.0 feet below ground surface. Backfill with neat cement.	
15										
20										

Ninyo & Moore

BORING LOG

BAY ROAD
EAST PALO ALTO, CALIFORNIA

PROJECT NO.
402068001

DATE
2/15

FIGURE

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED 1/12/15 BORING NO. B-9	
	Bulk	Driven							GROUND ELEVATION	SHEET 1 OF 1
									METHOD OF DRILLING Geoprobe	
									DRIVE WEIGHT NA DROP NA	
									SAMPLED BY FSM LOGGED BY FSM REVIEWED BY	
									DESCRIPTION/INTERPRETATION	
0								GW	ASPHALT: Approximately 3 inches thick. Gray, dry, loose, well graded GRAVEL with sand fill, fine-grained sand, fine to coarse gravel. (road base)	
								SM	Dark yellowish brown, moist, medium dense, silty SAND, fine-grained sand. Grades yellowish brown.	
5								ML	Yellowish brown, wet at 7", soft, SILT with sand, fine-grained sand.	
10									Total depth= 10 Feet Groundwater encountered at 7.0 feet below ground surface. Backfill with neat cement.	
15										
20										

Ninyo & Moore

BORING LOG

BAY ROAD
EAST PALO ALTO, CALIFORNIA

PROJECT NO.
402068001

DATE
2/15

FIGURE

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED 1/12/15 BORING NO. B-10	
	Bulk	Driven							GROUND ELEVATION	SHEET 1 OF 1
									METHOD OF DRILLING Geoprobe	
									DRIVE WEIGHT NA DROP NA	
									SAMPLED BY FSM LOGGED BY FSM REVIEWED BY	
									DESCRIPTION/INTERPRETATION	
0								GW	ASPHALT: Approximately 4 inches thick. Gray, dry, loose, well graded GRAVEL with sand fill, fine-grained sand, fine to coarse gravel. (road base)	
								SM	Dark yellowish brown, moist, medium dense, silty SAND, fine-grained sand. Grades yellowish brown, with trace fine gravel. Yellowish brown, moist, medium dense, silty SAND, fine-grained sand.	
5										
								GW	Dark yellowish brown, wet, loose, well graded GRAVEL with sand; fine-grained sand, fine gravel. Total depth= 10 Feet Groundwater encountered at 7.0 feet below ground surface. Backfill with neat cement.	
10										
15										
20										



BORING LOG

BAY ROAD
EAST PALO ALTO, CALIFORNIA

PROJECT NO.
402068001

DATE
2/15

FIGURE

DEPTH (feet)	SAMPLES		BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DATE DRILLED 1/12/15 BORING NO. B-11	
	Bulk	Driven							GROUND ELEVATION	SHEET 1 OF 1
									METHOD OF DRILLING Geoprobe	
									DRIVE WEIGHT NA DROP NA	
									SAMPLED BY FSM LOGGED BY FSM REVIEWED BY	
									DESCRIPTION/INTERPRETATION	
0								GW	ASPHALT: Approximately 4 inches thick. Gray, dry, loose, well graded GRAVEL with sand, fine-grained sand, fine to coarse gravel. (road base)	
								SM	Dark yellowish brown, moist, medium dense, silty SAND, fine-grained sand. Grades yellowish brown.	
5									Dark yellowish brown, moist, medium dense, silty SAND, fine-grained sand.	
									Grades wet at 7 feet	
10									Total depth= 10 Feet Groundwater encountered at 7.0 feet below ground surface. Backfill with neat cement.	
15										
20										

Ninyo & Moore

BORING LOG

BAY ROAD
EAST PALO ALTO, CALIFORNIA

PROJECT NO.
402068001

DATE
2/15

FIGURE

APPENDIX C
CERTIFIED ANALYTICAL REPORTS WITH CHAIN OF CUSTODY
DOCUMENTATION

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pleasanton

1220 Quarry Lane

Pleasanton, CA 94566

Tel: (925)484-1919

TestAmerica Job ID: 720-62341-2

Client Project/Site: Bay Road Improvements

For:

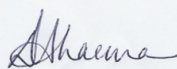
Ninyo & Moore

1956 Webster Street

Suite 400

Oakland, California 94612

Attn: Jason Grant



Authorized for release by:

2/9/2015 2:29:30 PM

Dimple Sharma, Senior Project Manager

(925)484-1919

dimple.sharma@testamericainc.com

LINKS

Review your project
results through

TotalAccess

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Visit us at:

www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-2

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-2

Job ID: 720-62341-2

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-62341-2

Comments

No additional comments.

Receipt

The samples were received on 1/13/2015 7:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.1° C and 2.3° C.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-2

Client Sample ID: B-4-1

Lab Sample ID: 720-62341-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.32		0.10		mg/L	1		6010B	STLC Citrate

Client Sample ID: B-2-1

Lab Sample ID: 720-62341-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.16		0.10		mg/L	1		6010B	STLC Citrate

Client Sample ID: B-7-1

Lab Sample ID: 720-62341-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.16		0.10		mg/L	1		6010B	STLC Citrate

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-2

Client Sample ID: B-4-1

Date Collected: 01/13/15 09:00

Date Received: 01/13/15 19:00

Lab Sample ID: 720-62341-1

Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.32		0.10		mg/L		02/09/15 07:34	02/09/15 12:05	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-2

Client Sample ID: B-2-1

Date Collected: 01/13/15 10:45

Date Received: 01/13/15 19:00

Lab Sample ID: 720-62341-2

Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.16		0.10		mg/L		02/09/15 07:34	02/09/15 12:11	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-2

Client Sample ID: B-7-1

Date Collected: 01/13/15 13:50

Date Received: 01/13/15 19:00

Lab Sample ID: 720-62341-7

Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.16		0.10		mg/L		02/09/15 07:34	02/09/15 12:16	1

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-2

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-175455/1-A
Matrix: Solid
Analysis Batch: 175484

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 175455

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.010		mg/L		02/09/15 07:34	02/09/15 10:53	1

Lab Sample ID: LCS 720-175455/2-A
Matrix: Solid
Analysis Batch: 175484

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 175455

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	1.00	1.03		mg/L		103	80 - 120

Lab Sample ID: LCSD 720-175455/3-A
Matrix: Solid
Analysis Batch: 175484

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 175455

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium	1.00	1.03		mg/L		103	80 - 120	0	20

Lab Sample ID: LB4 720-175302/1-B
Matrix: Solid
Analysis Batch: 175484

Client Sample ID: Method Blank
Prep Type: STLC Citrate
Prep Batch: 175455

Analyte	LB4 Result	LB4 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.10		mg/L		02/09/15 07:34	02/09/15 10:58	1

TestAmerica Pleasanton

QC Association Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-2

Metals

Leach Batch: 175302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-1	B-4-1	STLC Citrate	Solid	CA WET Citrate	
720-62341-2	B-2-1	STLC Citrate	Solid	CA WET Citrate	
720-62341-7	B-7-1	STLC Citrate	Solid	CA WET Citrate	
LB4 720-175302/1-B	Method Blank	STLC Citrate	Solid	CA WET Citrate	

Prep Batch: 175455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-1	B-4-1	STLC Citrate	Solid	3005A	175302
720-62341-2	B-2-1	STLC Citrate	Solid	3005A	175302
720-62341-7	B-7-1	STLC Citrate	Solid	3005A	175302
LB4 720-175302/1-B	Method Blank	STLC Citrate	Solid	3005A	175302
LCS 720-175455/2-A	Lab Control Sample	Total Recoverable	Solid	3005A	
LCSD 720-175455/3-A	Lab Control Sample Dup	Total Recoverable	Solid	3005A	
MB 720-175455/1-A	Method Blank	Total Recoverable	Solid	3005A	

Analysis Batch: 175484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-1	B-4-1	STLC Citrate	Solid	6010B	175455
720-62341-2	B-2-1	STLC Citrate	Solid	6010B	175455
720-62341-7	B-7-1	STLC Citrate	Solid	6010B	175455
LB4 720-175302/1-B	Method Blank	STLC Citrate	Solid	6010B	175455
LCS 720-175455/2-A	Lab Control Sample	Total Recoverable	Solid	6010B	175455
LCSD 720-175455/3-A	Lab Control Sample Dup	Total Recoverable	Solid	6010B	175455
MB 720-175455/1-A	Method Blank	Total Recoverable	Solid	6010B	175455

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-2

Client Sample ID: B-4-1

Date Collected: 01/13/15 09:00

Date Received: 01/13/15 19:00

Lab Sample ID: 720-62341-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			175302	02/05/15 11:40	ECT	TAL PLS
STLC Citrate	Prep	3005A			175455	02/09/15 07:34	ECT	TAL PLS
STLC Citrate	Analysis	6010B		1	175484	02/09/15 12:05	EFH	TAL PLS

Client Sample ID: B-2-1

Date Collected: 01/13/15 10:45

Date Received: 01/13/15 19:00

Lab Sample ID: 720-62341-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			175302	02/05/15 11:40	ECT	TAL PLS
STLC Citrate	Prep	3005A			175455	02/09/15 07:34	ECT	TAL PLS
STLC Citrate	Analysis	6010B		1	175484	02/09/15 12:11	EFH	TAL PLS

Client Sample ID: B-7-1

Date Collected: 01/13/15 13:50

Date Received: 01/13/15 19:00

Lab Sample ID: 720-62341-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			175302	02/05/15 11:40	ECT	TAL PLS
STLC Citrate	Prep	3005A			175455	02/09/15 07:34	ECT	TAL PLS
STLC Citrate	Analysis	6010B		1	175484	02/09/15 12:16	EFH	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-2

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

Method Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-2

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-62341-1	B-4-1	Solid	01/13/15 09:00	01/13/15 19:00
720-62341-2	B-2-1	Solid	01/13/15 10:45	01/13/15 19:00
720-62341-7	B-7-1	Solid	01/13/15 13:50	01/13/15 19:00

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Sharma, Dimple

720-62341-2

From: Jason Grant <jgrant@ninyoandmoore.com>
Sent: Wednesday, February 04, 2015 2:01 PM
To: Sharma, Dimple
Subject: RE: TestAmerica EDD and report files from 720-62341-1 Bay Road Improvements

Just in case you missed this one.

Jason

Jason Grant, P.E.
Senior Engineer
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants
1956 Webster Street, Suite 400
Oakland, California 94612
(510) 343-3000 (x15202)
(510) 343-3001 (Fax)
jgrant@ninyoandmoore.com

San Jose office
2149 O'Toole Avenue, Suite 30
San Jose, CA 95131
(408) 435-9000
(408) 435-9006 (Fax)

From: Jason Grant
Sent: Tuesday, February 03, 2015 5:01 PM
To: 'dimple.sharma@testamericainc.com'
Subject: RE: TestAmerica EDD and report files from 720-62341-1 Bay Road Improvements

Hi Dimple,

Please analyze samples B-4-1, B-2-1 and B-7-1 for Cr WET. Normal TAT

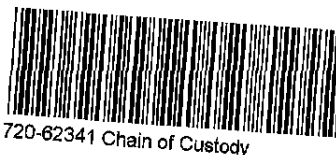
Thanks,

Jason

Jason Grant, P.E.
Senior Engineer
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants
1956 Webster Street, Suite 400
Oakland, California 94612
(510) 343-3000 (x15202)
(510) 343-3001 (Fax)
jgrant@ninyoandmoore.com

San Jose office
2149 O'Toole Avenue, Suite 30
San Jose, CA 95131
(408) 435-9000
(408) 435-9006 (Fax)

From: Sharma, Dimple [<mailto:dimple.sharma@testamericainc.com>]
Sent: Tuesday, January 20, 2015 3:36 PM



Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 720-62341-2

Login Number: 62341

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Gonzales, Justinn

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pleasanton

1220 Quarry Lane

Pleasanton, CA 94566

Tel: (925)484-1919

TestAmerica Job ID: 720-62365-2

Client Project/Site: Bay Road Improvements

For:

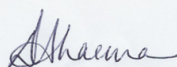
Ninyo & Moore

1956 Webster Street

Suite 400

Oakland, California 94612

Attn: Jason Grant



Authorized for release by:

2/10/2015 6:14:27 PM

Dimple Sharma, Senior Project Manager

(925)484-1919

dimple.sharma@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-2

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-2

Job ID: 720-62365-2

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-62365-2

Comments

No additional comments.

Receipt

The samples were received on 1/14/2015 2:25 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.7° C.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-2

Client Sample ID: B-3-1

Lab Sample ID: 720-62365-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.18		0.10		mg/L	1		6010B	STLC Citrate

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-2

Client Sample ID: B-3-1

Date Collected: 01/14/15 10:10

Date Received: 01/14/15 14:25

Lab Sample ID: 720-62365-3

Matrix: Solid

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.10		mg/L		02/10/15 10:13	02/10/15 17:38	1

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.18		0.10		mg/L		02/09/15 07:34	02/09/15 12:00	1

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-2

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-175552/1-A
Matrix: Solid
Analysis Batch: 175606

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 175552

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.010		mg/L		02/10/15 10:13	02/10/15 17:21	1

Lab Sample ID: LCS 720-175552/2-A
Matrix: Solid
Analysis Batch: 175606

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 175552

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	1.00	0.991		mg/L		99	80 - 120

Lab Sample ID: LCSD 720-175552/3-A
Matrix: Solid
Analysis Batch: 175606

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 175552

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Chromium	1.00	0.981		mg/L		98	80 - 120	1	20

Lab Sample ID: MB 720-175455/1-A
Matrix: Solid
Analysis Batch: 175484

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 175455

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.010		mg/L		02/09/15 07:34	02/09/15 10:53	1

Lab Sample ID: LCS 720-175455/2-A
Matrix: Solid
Analysis Batch: 175484

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 175455

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	1.00	1.03		mg/L		103	80 - 120

Lab Sample ID: LCSD 720-175455/3-A
Matrix: Solid
Analysis Batch: 175484

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 175455

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Chromium	1.00	1.03		mg/L		103	80 - 120	0	20

Lab Sample ID: LB 720-175477/1-C
Matrix: Solid
Analysis Batch: 175606

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 175552

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.10		mg/L		02/10/15 10:13	02/10/15 17:26	1

Lab Sample ID: LB4 720-175302/1-B
Matrix: Solid
Analysis Batch: 175484

Client Sample ID: Method Blank
Prep Type: STLC Citrate
Prep Batch: 175455

Analyte	LB4 Result	LB4 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.10		mg/L		02/09/15 07:34	02/09/15 10:58	1

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-2

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TestAmerica Pleasanton

QC Association Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-2

Metals

Leach Batch: 175302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62365-3	B-3-1	STLC Citrate	Solid	CA WET Citrate	
LB4 720-175302/1-B	Method Blank	STLC Citrate	Solid	CA WET Citrate	

Prep Batch: 175455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62365-3	B-3-1	STLC Citrate	Solid	3005A	175302
LB4 720-175302/1-B	Method Blank	STLC Citrate	Solid	3005A	175302
LCS 720-175455/2-A	Lab Control Sample	Total Recoverable	Solid	3005A	
LCSD 720-175455/3-A	Lab Control Sample Dup	Total Recoverable	Solid	3005A	
MB 720-175455/1-A	Method Blank	Total Recoverable	Solid	3005A	

Leach Batch: 175477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62365-3	B-3-1	TCLP	Solid	1311	
LB 720-175477/1-C	Method Blank	TCLP	Solid	1311	

Analysis Batch: 175484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62365-3	B-3-1	STLC Citrate	Solid	6010B	175455
LB4 720-175302/1-B	Method Blank	STLC Citrate	Solid	6010B	175455
LCS 720-175455/2-A	Lab Control Sample	Total Recoverable	Solid	6010B	175455
LCSD 720-175455/3-A	Lab Control Sample Dup	Total Recoverable	Solid	6010B	175455
MB 720-175455/1-A	Method Blank	Total Recoverable	Solid	6010B	175455

Prep Batch: 175552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62365-3	B-3-1	TCLP	Solid	3010A	175477
LB 720-175477/1-C	Method Blank	TCLP	Solid	3010A	175477
LCS 720-175552/2-A	Lab Control Sample	Total/NA	Solid	3010A	
LCSD 720-175552/3-A	Lab Control Sample Dup	Total/NA	Solid	3010A	
MB 720-175552/1-A	Method Blank	Total/NA	Solid	3010A	

Analysis Batch: 175606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 720-175477/1-C	Method Blank	TCLP	Solid	6010B	175552
LCS 720-175552/2-A	Lab Control Sample	Total/NA	Solid	6010B	175552
LCSD 720-175552/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	175552
MB 720-175552/1-A	Method Blank	Total/NA	Solid	6010B	175552

Analysis Batch: 175607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62365-3	B-3-1	TCLP	Solid	6010B	175552

TestAmerica Pleasanton

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-2

Client Sample ID: B-3-1

Date Collected: 01/14/15 10:10

Date Received: 01/14/15 14:25

Lab Sample ID: 720-62365-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			175302	02/05/15 11:40	ECT	TAL PLS
STLC Citrate	Prep	3005A			175455	02/09/15 07:34	ECT	TAL PLS
STLC Citrate	Analysis	6010B		1	175484	02/09/15 12:00	EFH	TAL PLS
TCLP	Leach	1311			175477	02/09/15 11:47	JCR	TAL PLS
TCLP	Prep	3010A			175552	02/10/15 10:13	JCR	TAL PLS
TCLP	Analysis	6010B		1	175607	02/10/15 17:38	SLK	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-2

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

Method Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-2

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-62365-3	B-3-1	Solid	01/14/15 10:10	01/14/15 14:25

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720-62365-2

Sharma, Dimple

From: Jason Grant <jgrant@ninyoandmoore.com>
Sent: Tuesday, February 03, 2015 4:58 PM
To: Sharma, Dimple
Subject: RE: TestAmerica EDD and report files from 720-62365-1 Bay Road Improvements

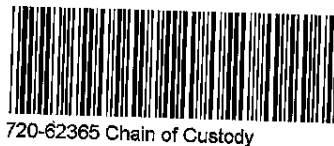
Hi Dimple,

Please analyze sample B-3-1 for Cr WET and TCLP. Normal TAT.

Thanks,

Jason

Jason Grant, P.E.
Senior Engineer
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants
1956 Webster Street, Suite 400
Oakland, California 94612
(510) 343-3000 (x15202)
(510) 343-3001 (Fax)
jgrant@ninyoandmoore.com



San Jose office
2149 O'Toole Avenue, Suite 30
San Jose, CA 95131
(408) 435-9000
(408) 435-9006 (Fax)

From: Sharma, Dimple [mailto:dimple.sharma@testamericainc.com]
Sent: Wednesday, January 21, 2015 12:11 PM
To: Jason Grant
Subject: TestAmerica EDD and report files from 720-62365-1 Bay Road Improvements

Hello,

Attached please find the EDD and report files for job 720-62365-1; Bay Road Improvements

Please feel free to contact me if you have any questions.

Thank you.

Please let us know if we met your expectations by rating the service you received from TestAmerica on this project by visiting our website at: [Project Feedback](#)

DIMPLE SHARMA
Senior Project Manager

TestAmerica Pleasanton
THE LEADER IN ENVIRONMENTAL TESTING

Tel: 925.484.1919

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 720-62365-2

Login Number: 62365

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Gonzales, Justinn

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pleasanton

1220 Quarry Lane

Pleasanton, CA 94566

Tel: (925)484-1919

TestAmerica Job ID: 720-62315-1

Client Project/Site: Bay Road

For:

Ninyo & Moore

1956 Webster Street

Suite 400

Oakland, California 94612

Attn: Jason Grant



Authorized for release by:

1/19/2015 3:46:37 PM

Afsaneh Salimpour, Senior Project Manager

afsaneh.salimpour@testamericainc.com

Designee for

Dimple Sharma, Senior Project Manager

(925)484-1919

dimple.sharma@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
*	LCS or LCSD exceeds the control limits

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Job ID: 720-62315-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative 720-62315-1

Comments

No additional comments.

Receipt

The samples were received on 1/12/2015 5:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.0° C.

Except:

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. Received unpreserved poly 250ml, Total or Dissolved Arsenic or a method are not specified on the COC.

GC/MS VOA

Method(s) 8260B: The Gasoline Range Organics (GRO) concentration reported for the following sample(s) is due to the presence of discrete peaks: B-9 (720-62315-3). <<TCE>>

Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch #174075 recovered outside control limits for the following analytes: TRANS-1,3-DICHLOROPROPENE. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: Internal standard (ISTD) response for the following sample(s) was outside control limits: B-9-1 (720-62315-1). The sample(s) was re-extracted and/or re-analyzed with concurring results, and the second set of data has been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method(s) 8270C SIM: The following sample(s) was diluted due to the abundance of non-target analytes: B-10-1 (720-62315-4). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method(s) 8015B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for batch 174008 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method(s) 6010B: The serial dilution performed for the following sample(s) associated with prep batch 174040 was outside control limits: (720-62315-1 SD)

Method(s) 6010B: The following sample(s) was diluted due to the abundance of non-target analyte Fe: B-11-6 (720-62315-7). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method(s) 3510C: Because more than 1/2" of sediment was present in the sample bottle, the liquid fraction was transferred to a separatory funnel before adding surrogate and/or spike solutions, the bottle was not rinsed with solvent.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-9-1

Lab Sample ID: 720-62315-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	41		3.0		mg/Kg	3		8015B	Total/NA
Motor Oil Range Organics [C24-C36]	220		150		mg/Kg	3		8015B	Total/NA
Arsenic	4.2		0.82		mg/Kg	1		6010B	Total/NA
Barium	130		0.41		mg/Kg	1		6010B	Total/NA
Beryllium	0.16		0.082		mg/Kg	1		6010B	Total/NA
Cadmium	0.12		0.10		mg/Kg	1		6010B	Total/NA
Chromium	30		0.41		mg/Kg	1		6010B	Total/NA
Cobalt	6.7		0.16		mg/Kg	1		6010B	Total/NA
Copper	20		1.2		mg/Kg	1		6010B	Total/NA
Lead	8.6		0.41		mg/Kg	1		6010B	Total/NA
Molybdenum	0.82		0.41		mg/Kg	1		6010B	Total/NA
Nickel	28		0.41		mg/Kg	1		6010B	Total/NA
Vanadium	28		0.41		mg/Kg	1		6010B	Total/NA
Zinc	48		1.2		mg/Kg	1		6010B	Total/NA
Mercury	0.033		0.0092		mg/Kg	1		7471A	Total/NA

Client Sample ID: B-9-6

Lab Sample ID: 720-62315-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	82		3.9		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Diesel Range Organics [C10-C28]	2.1		1.0		mg/Kg	1		8015B	Total/NA
Arsenic	3.8		0.78		mg/Kg	1		6010B	Total/NA
Barium	100		0.39		mg/Kg	1		6010B	Total/NA
Beryllium	0.23		0.078		mg/Kg	1		6010B	Total/NA
Chromium	25		0.39		mg/Kg	1		6010B	Total/NA
Cobalt	7.1		0.16		mg/Kg	1		6010B	Total/NA
Copper	16		1.2		mg/Kg	1		6010B	Total/NA
Lead	3.8		0.39		mg/Kg	1		6010B	Total/NA
Molybdenum	0.74		0.39		mg/Kg	1		6010B	Total/NA
Nickel	31		0.39		mg/Kg	1		6010B	Total/NA
Vanadium	25		0.39		mg/Kg	1		6010B	Total/NA
Zinc	42		1.2		mg/Kg	1		6010B	Total/NA
Mercury	0.049		0.0090		mg/Kg	1		7471A	Total/NA

Client Sample ID: B-9

Lab Sample ID: 720-62315-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	3.3		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
1,1-Dichloroethane	1.8		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
1,1-Dichloroethene	0.78		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
cis-1,2-Dichloroethene	3.0		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Trichloroethene	150		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	130		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Diesel Range Organics [C10-C28]	150		52		ug/L	1		8015B	Total/NA
Motor Oil Range Organics [C24-C36]	270		100		ug/L	1		8015B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Detection Summary

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-10-1

Lab Sample ID: 720-62315-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	22		9.9		ug/Kg	2		8270C SIM	Total/NA
Benzo[a]pyrene	15		9.9		ug/Kg	2		8270C SIM	Total/NA
Benzo[b]fluoranthene	16		9.9		ug/Kg	2		8270C SIM	Total/NA
Chrysene	22		9.9		ug/Kg	2		8270C SIM	Total/NA
Fluoranthene	25		9.9		ug/Kg	2		8270C SIM	Total/NA
Phenanthrene	27		9.9		ug/Kg	2		8270C SIM	Total/NA
Pyrene	36		9.9		ug/Kg	2		8270C SIM	Total/NA
Diesel Range Organics [C10-C28]	13		1.0		mg/Kg	1		8015B	Total/NA
Motor Oil Range Organics [C24-C36]	59		50		mg/Kg	1		8015B	Total/NA
Antimony	0.39		0.39		mg/Kg	1		6010B	Total/NA
Arsenic	4.0		0.78		mg/Kg	1		6010B	Total/NA
Barium	120		0.39		mg/Kg	1		6010B	Total/NA
Beryllium	0.17		0.078		mg/Kg	1		6010B	Total/NA
Chromium	27		0.39		mg/Kg	1		6010B	Total/NA
Cobalt	6.8		0.16		mg/Kg	1		6010B	Total/NA
Copper	16		1.2		mg/Kg	1		6010B	Total/NA
Lead	6.8		0.39		mg/Kg	1		6010B	Total/NA
Molybdenum	1.0		0.39		mg/Kg	1		6010B	Total/NA
Nickel	30		0.39		mg/Kg	1		6010B	Total/NA
Vanadium	25		0.39		mg/Kg	1		6010B	Total/NA
Zinc	42		1.2		mg/Kg	1		6010B	Total/NA
Mercury	0.044		0.0086		mg/Kg	1		7471A	Total/NA

Client Sample ID: B-10-6

Lab Sample ID: 720-62315-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	2.7		1.0		mg/Kg	1		8015B	Total/NA
Arsenic	3.0		0.65		mg/Kg	1		6010B	Total/NA
Barium	100		0.33		mg/Kg	1		6010B	Total/NA
Beryllium	0.076		0.065		mg/Kg	1		6010B	Total/NA
Cadmium	0.083		0.082		mg/Kg	1		6010B	Total/NA
Chromium	21		0.33		mg/Kg	1		6010B	Total/NA
Cobalt	5.7		0.13		mg/Kg	1		6010B	Total/NA
Copper	11		0.98		mg/Kg	1		6010B	Total/NA
Lead	2.7		0.33		mg/Kg	1		6010B	Total/NA
Molybdenum	0.61		0.33		mg/Kg	1		6010B	Total/NA
Nickel	25		0.33		mg/Kg	1		6010B	Total/NA
Vanadium	21		0.33		mg/Kg	1		6010B	Total/NA
Zinc	30		0.98		mg/Kg	1		6010B	Total/NA
Mercury	0.024		0.0092		mg/Kg	1		7471A	Total/NA

Client Sample ID: B-11-1

Lab Sample ID: 720-62315-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	46		40		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Diesel Range Organics [C10-C28]	41		0.99		mg/Kg	1		8015B	Total/NA
Motor Oil Range Organics [C24-C36]	140		50		mg/Kg	1		8015B	Total/NA
Arsenic	3.5		0.77		mg/Kg	1		6010B	Total/NA
Barium	150		0.38		mg/Kg	1		6010B	Total/NA
Cadmium	0.13		0.096		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Detection Summary

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-11-1 (Continued)

Lab Sample ID: 720-62315-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	28		0.38		mg/Kg	1		6010B	Total/NA
Cobalt	7.1		0.15		mg/Kg	1		6010B	Total/NA
Copper	19		1.2		mg/Kg	1		6010B	Total/NA
Lead	5.1		0.38		mg/Kg	1		6010B	Total/NA
Molybdenum	0.47		0.38		mg/Kg	1		6010B	Total/NA
Nickel	29		0.38		mg/Kg	1		6010B	Total/NA
Vanadium	29		0.38		mg/Kg	1		6010B	Total/NA
Zinc	40		1.2		mg/Kg	1		6010B	Total/NA
Mercury	0.031		0.0088		mg/Kg	1		7471A	Total/NA

Client Sample ID: B-11-6

Lab Sample ID: 720-62315-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	6.0		0.99		mg/Kg	1		8015B	Total/NA
Arsenic	5.0		2.9		mg/Kg	4		6010B	Total/NA
Barium	120		1.4		mg/Kg	4		6010B	Total/NA
Beryllium	0.37		0.29		mg/Kg	4		6010B	Total/NA
Chromium	33		1.4		mg/Kg	4		6010B	Total/NA
Cobalt	8.8		0.58		mg/Kg	4		6010B	Total/NA
Copper	18		4.3		mg/Kg	4		6010B	Total/NA
Lead	4.9		1.4		mg/Kg	4		6010B	Total/NA
Molybdenum	1.9		1.4		mg/Kg	4		6010B	Total/NA
Nickel	38		1.4		mg/Kg	4		6010B	Total/NA
Vanadium	29		1.4		mg/Kg	4		6010B	Total/NA
Zinc	53		4.3		mg/Kg	4		6010B	Total/NA
Mercury	0.059		0.0087		mg/Kg	1		7471A	Total/NA

Client Sample ID: B-11

Lab Sample ID: 720-62315-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	9.1		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 720-62315-9

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-9-1

Lab Sample ID: 720-62315-1

Date Collected: 01/12/15 09:01

Matrix: Solid

Date Received: 01/12/15 17:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Acetone	ND		38		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Benzene	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Dichlorobromomethane	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Bromobenzene	ND	*	3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Chlorobromomethane	ND		15		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Bromoform	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Bromomethane	ND		7.6		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
2-Butanone (MEK)	ND		38		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
n-Butylbenzene	ND	*	3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
sec-Butylbenzene	ND	*	3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
tert-Butylbenzene	ND	*	3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Carbon disulfide	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Carbon tetrachloride	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Chlorobenzene	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Chloroethane	ND		7.6		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Chloroform	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Chloromethane	ND		7.6		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
2-Chlorotoluene	ND	*	3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
4-Chlorotoluene	ND	*	3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Chlorodibromomethane	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
1,2-Dichlorobenzene	ND	*	3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
1,3-Dichlorobenzene	ND	*	3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
1,4-Dichlorobenzene	ND	*	3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
1,3-Dichloropropane	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
1,1-Dichloropropene	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
1,2-Dibromo-3-Chloropropane	ND	*	7.6		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Ethylene Dibromide	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Dibromomethane	ND		7.6		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Dichlorodifluoromethane	ND		7.6		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
1,1-Dichloroethane	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
1,2-Dichloroethane	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
1,1-Dichloroethene	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
cis-1,2-Dichloroethene	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
trans-1,2-Dichloroethene	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
1,2-Dichloropropane	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
cis-1,3-Dichloropropene	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
trans-1,3-Dichloropropene	ND	*	3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Ethylbenzene	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Hexachlorobutadiene	ND	*	3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
2-Hexanone	ND		38		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Isopropylbenzene	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
4-Isopropyltoluene	ND	*	3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Methylene Chloride	ND		7.6		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
4-Methyl-2-pentanone (MIBK)	ND		38		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Naphthalene	ND	*	7.6		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
N-Propylbenzene	ND	*	3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Styrene	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
1,1,1,2-Tetrachloroethane	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-9-1

Lab Sample ID: 720-62315-1

Date Collected: 01/12/15 09:01

Matrix: Solid

Date Received: 01/12/15 17:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND	*	3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Tetrachloroethene	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Toluene	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
1,2,3-Trichlorobenzene	ND	*	3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
1,2,4-Trichlorobenzene	ND	*	3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
1,1,1-Trichloroethane	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
1,1,2-Trichloroethane	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Trichloroethene	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Trichlorofluoromethane	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
1,2,3-Trichloropropane	ND	*	3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
1,2,4-Trimethylbenzene	ND	*	3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
1,3,5-Trimethylbenzene	ND	*	3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Vinyl acetate	ND		15		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Vinyl chloride	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Xylenes, Total	ND		7.6		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
2,2-Dichloropropane	ND		3.8		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
Gasoline Range Organics (GRO)	ND		190		ug/Kg		01/12/15 19:10	01/14/15 11:21	1
-C5-C12									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	76		45 - 131				01/12/15 19:10	01/14/15 11:21	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 140				01/12/15 19:10	01/14/15 11:21	1
Toluene-d8 (Surr)	90		58 - 140				01/12/15 19:10	01/14/15 11:21	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	41		3.0		mg/Kg		01/13/15 07:15	01/13/15 14:26	3
Motor Oil Range Organics [C24-C36]	220		150		mg/Kg		01/13/15 07:15	01/13/15 14:26	3
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	71		40 - 130				01/13/15 07:15	01/13/15 14:26	3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.41		mg/Kg		01/13/15 12:29	01/13/15 21:48	1
Arsenic	4.2		0.82		mg/Kg		01/13/15 12:29	01/13/15 21:48	1
Barium	130		0.41		mg/Kg		01/13/15 12:29	01/13/15 21:48	1
Beryllium	0.16		0.082		mg/Kg		01/13/15 12:29	01/13/15 21:48	1
Cadmium	0.12		0.10		mg/Kg		01/13/15 12:29	01/13/15 21:48	1
Chromium	30		0.41		mg/Kg		01/13/15 12:29	01/13/15 21:48	1
Cobalt	6.7		0.16		mg/Kg		01/13/15 12:29	01/13/15 21:48	1
Copper	20		1.2		mg/Kg		01/13/15 12:29	01/13/15 21:48	1
Lead	8.6		0.41		mg/Kg		01/13/15 12:29	01/13/15 21:48	1
Molybdenum	0.82		0.41		mg/Kg		01/13/15 12:29	01/13/15 21:48	1
Nickel	28		0.41		mg/Kg		01/13/15 12:29	01/13/15 21:48	1
Selenium	ND		0.82		mg/Kg		01/13/15 12:29	01/13/15 21:48	1
Silver	ND		0.20		mg/Kg		01/13/15 12:29	01/13/15 21:48	1
Thallium	ND		0.41		mg/Kg		01/13/15 12:29	01/13/15 21:48	1
Vanadium	28		0.41		mg/Kg		01/13/15 12:29	01/13/15 21:48	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-9-1

Date Collected: 01/12/15 09:01

Date Received: 01/12/15 17:00

Lab Sample ID: 720-62315-1

Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	48		1.2		mg/Kg		01/13/15 12:29	01/13/15 21:48	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033		0.0092		mg/Kg		01/13/15 10:16	01/13/15 19:32	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-9-6

Lab Sample ID: 720-62315-2

Date Collected: 01/12/15 09:35

Matrix: Solid

Date Received: 01/12/15 17:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Acetone	ND		39		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Benzene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Dichlorobromomethane	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Bromobenzene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Chlorobromomethane	ND		15		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Bromoform	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Bromomethane	ND		7.7		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
2-Butanone (MEK)	ND		39		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
n-Butylbenzene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
sec-Butylbenzene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
tert-Butylbenzene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Carbon disulfide	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Carbon tetrachloride	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Chlorobenzene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Chloroethane	ND		7.7		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Chloroform	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Chloromethane	ND		7.7		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
2-Chlorotoluene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
4-Chlorotoluene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Chlorodibromomethane	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
1,2-Dichlorobenzene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
1,3-Dichlorobenzene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
1,4-Dichlorobenzene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
1,3-Dichloropropane	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
1,1-Dichloropropene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
1,2-Dibromo-3-Chloropropane	ND		7.7		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Ethylene Dibromide	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Dibromomethane	ND		7.7		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Dichlorodifluoromethane	ND		7.7		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
1,1-Dichloroethane	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
1,2-Dichloroethane	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
1,1-Dichloroethene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
cis-1,2-Dichloroethene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
trans-1,2-Dichloroethene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
1,2-Dichloropropane	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
cis-1,3-Dichloropropene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
trans-1,3-Dichloropropene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Ethylbenzene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Hexachlorobutadiene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
2-Hexanone	ND		39		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Isopropylbenzene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
4-Isopropyltoluene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Methylene Chloride	ND		7.7		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
4-Methyl-2-pentanone (MIBK)	ND		39		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Naphthalene	ND		7.7		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
N-Propylbenzene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Styrene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
1,1,1,2-Tetrachloroethane	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-9-6

Lab Sample ID: 720-62315-2

Date Collected: 01/12/15 09:35

Matrix: Solid

Date Received: 01/12/15 17:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Tetrachloroethene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Toluene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
1,2,3-Trichlorobenzene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
1,2,4-Trichlorobenzene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
1,1,1-Trichloroethane	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
1,1,2-Trichloroethane	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Trichloroethene	82		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Trichlorofluoromethane	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
1,2,3-Trichloropropane	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
1,2,4-Trimethylbenzene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
1,3,5-Trimethylbenzene	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Vinyl acetate	ND		15		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Vinyl chloride	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Xylenes, Total	ND		7.7		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
2,2-Dichloropropane	ND		3.9		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
Gasoline Range Organics (GRO)	ND		190		ug/Kg		01/12/15 19:10	01/13/15 15:52	1
-C5-C12									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	80		45 - 131				01/12/15 19:10	01/13/15 15:52	1
1,2-Dichloroethane-d4 (Surr)	94		60 - 140				01/12/15 19:10	01/13/15 15:52	1
Toluene-d8 (Surr)	92		58 - 140				01/12/15 19:10	01/13/15 15:52	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	2.1		1.0		mg/Kg		01/13/15 07:15	01/13/15 15:29	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		01/13/15 07:15	01/13/15 15:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	90		40 - 130				01/13/15 07:15	01/13/15 15:29	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.39		mg/Kg		01/13/15 12:29	01/13/15 21:52	1
Arsenic	3.8		0.78		mg/Kg		01/13/15 12:29	01/13/15 21:52	1
Barium	100		0.39		mg/Kg		01/13/15 12:29	01/13/15 21:52	1
Beryllium	0.23		0.078		mg/Kg		01/13/15 12:29	01/13/15 21:52	1
Cadmium	ND		0.098		mg/Kg		01/13/15 12:29	01/13/15 21:52	1
Chromium	25		0.39		mg/Kg		01/13/15 12:29	01/13/15 21:52	1
Cobalt	7.1		0.16		mg/Kg		01/13/15 12:29	01/13/15 21:52	1
Copper	16		1.2		mg/Kg		01/13/15 12:29	01/13/15 21:52	1
Lead	3.8		0.39		mg/Kg		01/13/15 12:29	01/13/15 21:52	1
Molybdenum	0.74		0.39		mg/Kg		01/13/15 12:29	01/13/15 21:52	1
Nickel	31		0.39		mg/Kg		01/13/15 12:29	01/13/15 21:52	1
Selenium	ND		0.78		mg/Kg		01/13/15 12:29	01/13/15 21:52	1
Silver	ND		0.20		mg/Kg		01/13/15 12:29	01/13/15 21:52	1
Thallium	ND		0.39		mg/Kg		01/13/15 12:29	01/13/15 21:52	1
Vanadium	25		0.39		mg/Kg		01/13/15 12:29	01/13/15 21:52	1
Zinc	42		1.2		mg/Kg		01/13/15 12:29	01/13/15 21:52	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-9-6

Date Collected: 01/12/15 09:35

Date Received: 01/12/15 17:00

Lab Sample ID: 720-62315-2

Matrix: Solid

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049		0.0090		mg/Kg		01/13/15 10:16	01/13/15 19:34	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-9

Lab Sample ID: 720-62315-3

Date Collected: 01/12/15 09:45

Matrix: Water

Date Received: 01/12/15 17:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	3.3		0.50		ug/L			01/13/15 15:26	1
Acetone	ND		50		ug/L			01/13/15 15:26	1
Benzene	ND		0.50		ug/L			01/13/15 15:26	1
Dichlorobromomethane	ND		0.50		ug/L			01/13/15 15:26	1
Bromobenzene	ND		1.0		ug/L			01/13/15 15:26	1
Chlorobromomethane	ND		1.0		ug/L			01/13/15 15:26	1
Bromoform	ND		1.0		ug/L			01/13/15 15:26	1
Bromomethane	ND		1.0		ug/L			01/13/15 15:26	1
2-Butanone (MEK)	ND		50		ug/L			01/13/15 15:26	1
n-Butylbenzene	ND		1.0		ug/L			01/13/15 15:26	1
sec-Butylbenzene	ND		1.0		ug/L			01/13/15 15:26	1
tert-Butylbenzene	ND		1.0		ug/L			01/13/15 15:26	1
Carbon disulfide	ND		5.0		ug/L			01/13/15 15:26	1
Carbon tetrachloride	ND		0.50		ug/L			01/13/15 15:26	1
Chlorobenzene	ND		0.50		ug/L			01/13/15 15:26	1
Chloroethane	ND		1.0		ug/L			01/13/15 15:26	1
Chloroform	ND		1.0		ug/L			01/13/15 15:26	1
Chloromethane	ND		1.0		ug/L			01/13/15 15:26	1
2-Chlorotoluene	ND		0.50		ug/L			01/13/15 15:26	1
4-Chlorotoluene	ND		0.50		ug/L			01/13/15 15:26	1
Chlorodibromomethane	ND		0.50		ug/L			01/13/15 15:26	1
1,2-Dichlorobenzene	ND		0.50		ug/L			01/13/15 15:26	1
1,3-Dichlorobenzene	ND		0.50		ug/L			01/13/15 15:26	1
1,4-Dichlorobenzene	ND		0.50		ug/L			01/13/15 15:26	1
1,3-Dichloropropane	ND		1.0		ug/L			01/13/15 15:26	1
1,1-Dichloropropene	ND		0.50		ug/L			01/13/15 15:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			01/13/15 15:26	1
Ethylene Dibromide	ND		0.50		ug/L			01/13/15 15:26	1
Dibromomethane	ND		0.50		ug/L			01/13/15 15:26	1
Dichlorodifluoromethane	ND		0.50		ug/L			01/13/15 15:26	1
1,1-Dichloroethane	1.8		0.50		ug/L			01/13/15 15:26	1
1,2-Dichloroethane	ND		0.50		ug/L			01/13/15 15:26	1
1,1-Dichloroethene	0.78		0.50		ug/L			01/13/15 15:26	1
cis-1,2-Dichloroethene	3.0		0.50		ug/L			01/13/15 15:26	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			01/13/15 15:26	1
1,2-Dichloropropane	ND		0.50		ug/L			01/13/15 15:26	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			01/13/15 15:26	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			01/13/15 15:26	1
Ethylbenzene	ND		0.50		ug/L			01/13/15 15:26	1
Hexachlorobutadiene	ND		1.0		ug/L			01/13/15 15:26	1
2-Hexanone	ND		50		ug/L			01/13/15 15:26	1
Isopropylbenzene	ND		0.50		ug/L			01/13/15 15:26	1
4-Isopropyltoluene	ND		1.0		ug/L			01/13/15 15:26	1
Methylene Chloride	ND		5.0		ug/L			01/13/15 15:26	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			01/13/15 15:26	1
Naphthalene	ND		1.0		ug/L			01/13/15 15:26	1
N-Propylbenzene	ND		1.0		ug/L			01/13/15 15:26	1
Styrene	ND		0.50		ug/L			01/13/15 15:26	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			01/13/15 15:26	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-9

Lab Sample ID: 720-62315-3

Date Collected: 01/12/15 09:45

Matrix: Water

Date Received: 01/12/15 17:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			01/13/15 15:26	1
Tetrachloroethene	ND		0.50		ug/L			01/13/15 15:26	1
Toluene	ND		0.50		ug/L			01/13/15 15:26	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			01/13/15 15:26	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			01/13/15 15:26	1
1,1,1-Trichloroethane	ND		0.50		ug/L			01/13/15 15:26	1
1,1,2-Trichloroethane	ND		0.50		ug/L			01/13/15 15:26	1
Trichloroethene	150		0.50		ug/L			01/13/15 15:26	1
Trichlorofluoromethane	ND		1.0		ug/L			01/13/15 15:26	1
1,2,3-Trichloropropane	ND		0.50		ug/L			01/13/15 15:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			01/13/15 15:26	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			01/13/15 15:26	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			01/13/15 15:26	1
Vinyl acetate	ND		10		ug/L			01/13/15 15:26	1
Vinyl chloride	ND		0.50		ug/L			01/13/15 15:26	1
Xylenes, Total	ND		1.0		ug/L			01/13/15 15:26	1
2,2-Dichloropropane	ND		0.50		ug/L			01/13/15 15:26	1
Gasoline Range Organics (GRO)	130		50		ug/L			01/13/15 15:26	1
-C5-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		67 - 130		01/13/15 15:26	1
1,2-Dichloroethane-d4 (Surr)	104		72 - 130		01/13/15 15:26	1
Toluene-d8 (Surr)	98		70 - 130		01/13/15 15:26	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	150		52		ug/L		01/15/15 10:28	01/16/15 10:35	1
Motor Oil Range Organics [C24-C36]	270		100		ug/L		01/15/15 10:28	01/16/15 10:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	98		23 - 156	01/15/15 10:28	01/16/15 10:35	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		01/14/15 13:55	01/14/15 16:36	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-10-1

Date Collected: 01/12/15 11:00

Date Received: 01/12/15 17:00

Lab Sample ID: 720-62315-4

Matrix: Solid

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		9.9		ug/Kg		01/14/15 09:32	01/14/15 22:13	2
Acenaphthylene	ND		9.9		ug/Kg		01/14/15 09:32	01/14/15 22:13	2
Anthracene	ND		9.9		ug/Kg		01/14/15 09:32	01/14/15 22:13	2
Benzo[a]anthracene	22		9.9		ug/Kg		01/14/15 09:32	01/14/15 22:13	2
Benzo[a]pyrene	15		9.9		ug/Kg		01/14/15 09:32	01/14/15 22:13	2
Benzo[b]fluoranthene	16		9.9		ug/Kg		01/14/15 09:32	01/14/15 22:13	2
Benzo[g,h,i]perylene	ND		9.9		ug/Kg		01/14/15 09:32	01/14/15 22:13	2
Benzo[k]fluoranthene	ND		9.9		ug/Kg		01/14/15 09:32	01/14/15 22:13	2
Chrysene	22		9.9		ug/Kg		01/14/15 09:32	01/14/15 22:13	2
Dibenz[a,h]anthracene	ND		9.9		ug/Kg		01/14/15 09:32	01/14/15 22:13	2
Fluoranthene	25		9.9		ug/Kg		01/14/15 09:32	01/14/15 22:13	2
Fluorene	ND		9.9		ug/Kg		01/14/15 09:32	01/14/15 22:13	2
Indeno[1,2,3-cd]pyrene	ND		9.9		ug/Kg		01/14/15 09:32	01/14/15 22:13	2
Naphthalene	ND		9.9		ug/Kg		01/14/15 09:32	01/14/15 22:13	2
Phenanthrene	27		9.9		ug/Kg		01/14/15 09:32	01/14/15 22:13	2
Pyrene	36		9.9		ug/Kg		01/14/15 09:32	01/14/15 22:13	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	77		33 - 120				01/14/15 09:32	01/14/15 22:13	2
Terphenyl-d14	80		35 - 146				01/14/15 09:32	01/14/15 22:13	2

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	13		1.0		mg/Kg		01/13/15 07:15	01/13/15 16:41	1
Motor Oil Range Organics [C24-C36]	59		50		mg/Kg		01/13/15 07:15	01/13/15 16:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	92		40 - 130				01/13/15 07:15	01/13/15 16:41	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9		ug/Kg		01/13/15 17:08	01/15/15 11:05	1
Dieldrin	ND		1.9		ug/Kg		01/13/15 17:08	01/15/15 11:05	1
Endrin aldehyde	ND		1.9		ug/Kg		01/13/15 17:08	01/15/15 11:05	1
Endrin	ND		1.9		ug/Kg		01/13/15 17:08	01/15/15 11:05	1
Endrin ketone	ND		1.9		ug/Kg		01/13/15 17:08	01/15/15 11:05	1
Heptachlor	ND		1.9		ug/Kg		01/13/15 17:08	01/15/15 11:05	1
Heptachlor epoxide	ND		1.9		ug/Kg		01/13/15 17:08	01/15/15 11:05	1
4,4'-DDT	ND		1.9		ug/Kg		01/13/15 17:08	01/15/15 11:05	1
4,4'-DDE	ND		1.9		ug/Kg		01/13/15 17:08	01/15/15 11:05	1
4,4'-DDD	ND		1.9		ug/Kg		01/13/15 17:08	01/15/15 11:05	1
Endosulfan I	ND		1.9		ug/Kg		01/13/15 17:08	01/15/15 11:05	1
Endosulfan II	ND		1.9		ug/Kg		01/13/15 17:08	01/15/15 11:05	1
alpha-BHC	ND		1.9		ug/Kg		01/13/15 17:08	01/15/15 11:05	1
beta-BHC	ND		1.9		ug/Kg		01/13/15 17:08	01/15/15 11:05	1
gamma-BHC (Lindane)	ND		1.9		ug/Kg		01/13/15 17:08	01/15/15 11:05	1
delta-BHC	ND		1.9		ug/Kg		01/13/15 17:08	01/15/15 11:05	1
Endosulfan sulfate	ND		1.9		ug/Kg		01/13/15 17:08	01/15/15 11:05	1
Methoxychlor	ND		1.9		ug/Kg		01/13/15 17:08	01/15/15 11:05	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-10-1

Lab Sample ID: 720-62315-4

Date Collected: 01/12/15 11:00

Matrix: Solid

Date Received: 01/12/15 17:00

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		39		ug/Kg		01/13/15 17:08	01/15/15 11:05	1
Chlordane (technical)	ND		39		ug/Kg		01/13/15 17:08	01/15/15 11:05	1
alpha-Chlordane	ND		1.9		ug/Kg		01/13/15 17:08	01/15/15 11:05	1
gamma-Chlordane	ND		1.9		ug/Kg		01/13/15 17:08	01/15/15 11:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	115		57 - 122				01/13/15 17:08	01/15/15 11:05	1
DCB Decachlorobiphenyl	59	p	21 - 136				01/13/15 17:08	01/15/15 11:05	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.39		0.39		mg/Kg		01/13/15 12:29	01/13/15 22:07	1
Arsenic	4.0		0.78		mg/Kg		01/13/15 12:29	01/13/15 22:07	1
Barium	120		0.39		mg/Kg		01/13/15 12:29	01/13/15 22:07	1
Beryllium	0.17		0.078		mg/Kg		01/13/15 12:29	01/13/15 22:07	1
Cadmium	ND		0.098		mg/Kg		01/13/15 12:29	01/13/15 22:07	1
Chromium	27		0.39		mg/Kg		01/13/15 12:29	01/13/15 22:07	1
Cobalt	6.8		0.16		mg/Kg		01/13/15 12:29	01/13/15 22:07	1
Copper	16		1.2		mg/Kg		01/13/15 12:29	01/13/15 22:07	1
Lead	6.8		0.39		mg/Kg		01/13/15 12:29	01/13/15 22:07	1
Molybdenum	1.0		0.39		mg/Kg		01/13/15 12:29	01/13/15 22:07	1
Nickel	30		0.39		mg/Kg		01/13/15 12:29	01/13/15 22:07	1
Selenium	ND		0.78		mg/Kg		01/13/15 12:29	01/13/15 22:07	1
Silver	ND		0.20		mg/Kg		01/13/15 12:29	01/13/15 22:07	1
Thallium	ND		0.39		mg/Kg		01/13/15 12:29	01/13/15 22:07	1
Vanadium	25		0.39		mg/Kg		01/13/15 12:29	01/13/15 22:07	1
Zinc	42		1.2		mg/Kg		01/13/15 12:29	01/13/15 22:07	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.044		0.0086		mg/Kg		01/13/15 10:16	01/13/15 19:36	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-10-6

Date Collected: 01/12/15 11:24

Date Received: 01/12/15 17:00

Lab Sample ID: 720-62315-5

Matrix: Solid

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 21:50	1
Acenaphthylene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 21:50	1
Anthracene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 21:50	1
Benzo[a]anthracene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 21:50	1
Benzo[a]pyrene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 21:50	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 21:50	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 21:50	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 21:50	1
Chrysene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 21:50	1
Dibenz[a,h]anthracene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 21:50	1
Fluoranthene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 21:50	1
Fluorene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 21:50	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 21:50	1
Naphthalene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 21:50	1
Phenanthrene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 21:50	1
Pyrene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 21:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	75		33 - 120				01/14/15 09:32	01/14/15 21:50	1
Terphenyl-d14	80		35 - 146				01/14/15 09:32	01/14/15 21:50	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	2.7		1.0		mg/Kg		01/13/15 07:15	01/13/15 15:53	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		01/13/15 07:15	01/13/15 15:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	93		40 - 130				01/13/15 07:15	01/13/15 15:53	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		01/13/15 17:08	01/15/15 11:22	1
Dieldrin	ND		2.0		ug/Kg		01/13/15 17:08	01/15/15 11:22	1
Endrin aldehyde	ND		2.0		ug/Kg		01/13/15 17:08	01/15/15 11:22	1
Endrin	ND		2.0		ug/Kg		01/13/15 17:08	01/15/15 11:22	1
Endrin ketone	ND		2.0		ug/Kg		01/13/15 17:08	01/15/15 11:22	1
Heptachlor	ND		2.0		ug/Kg		01/13/15 17:08	01/15/15 11:22	1
Heptachlor epoxide	ND		2.0		ug/Kg		01/13/15 17:08	01/15/15 11:22	1
4,4'-DDT	ND		2.0		ug/Kg		01/13/15 17:08	01/15/15 11:22	1
4,4'-DDE	ND		2.0		ug/Kg		01/13/15 17:08	01/15/15 11:22	1
4,4'-DDD	ND		2.0		ug/Kg		01/13/15 17:08	01/15/15 11:22	1
Endosulfan I	ND		2.0		ug/Kg		01/13/15 17:08	01/15/15 11:22	1
Endosulfan II	ND		2.0		ug/Kg		01/13/15 17:08	01/15/15 11:22	1
alpha-BHC	ND		2.0		ug/Kg		01/13/15 17:08	01/15/15 11:22	1
beta-BHC	ND		2.0		ug/Kg		01/13/15 17:08	01/15/15 11:22	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		01/13/15 17:08	01/15/15 11:22	1
delta-BHC	ND		2.0		ug/Kg		01/13/15 17:08	01/15/15 11:22	1
Endosulfan sulfate	ND		2.0		ug/Kg		01/13/15 17:08	01/15/15 11:22	1
Methoxychlor	ND		2.0		ug/Kg		01/13/15 17:08	01/15/15 11:22	1
Toxaphene	ND		39		ug/Kg		01/13/15 17:08	01/15/15 11:22	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-10-6

Lab Sample ID: 720-62315-5

Date Collected: 01/12/15 11:24

Matrix: Solid

Date Received: 01/12/15 17:00

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		39		ug/Kg		01/13/15 17:08	01/15/15 11:22	1
alpha-Chlordane	ND		2.0		ug/Kg		01/13/15 17:08	01/15/15 11:22	1
gamma-Chlordane	ND		2.0		ug/Kg		01/13/15 17:08	01/15/15 11:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	119		57 - 122				01/13/15 17:08	01/15/15 11:22	1
DCB Decachlorobiphenyl	83		21 - 136				01/13/15 17:08	01/15/15 11:22	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.33		mg/Kg		01/13/15 12:29	01/13/15 22:11	1
Arsenic	3.0		0.65		mg/Kg		01/13/15 12:29	01/13/15 22:11	1
Barium	100		0.33		mg/Kg		01/13/15 12:29	01/13/15 22:11	1
Beryllium	0.076		0.065		mg/Kg		01/13/15 12:29	01/13/15 22:11	1
Cadmium	0.083		0.082		mg/Kg		01/13/15 12:29	01/13/15 22:11	1
Chromium	21		0.33		mg/Kg		01/13/15 12:29	01/13/15 22:11	1
Cobalt	5.7		0.13		mg/Kg		01/13/15 12:29	01/13/15 22:11	1
Copper	11		0.98		mg/Kg		01/13/15 12:29	01/13/15 22:11	1
Lead	2.7		0.33		mg/Kg		01/13/15 12:29	01/13/15 22:11	1
Molybdenum	0.61		0.33		mg/Kg		01/13/15 12:29	01/13/15 22:11	1
Nickel	25		0.33		mg/Kg		01/13/15 12:29	01/13/15 22:11	1
Selenium	ND		0.65		mg/Kg		01/13/15 12:29	01/13/15 22:11	1
Silver	ND		0.16		mg/Kg		01/13/15 12:29	01/13/15 22:11	1
Thallium	ND		0.33		mg/Kg		01/13/15 12:29	01/13/15 22:11	1
Vanadium	21		0.33		mg/Kg		01/13/15 12:29	01/13/15 22:11	1
Zinc	30		0.98		mg/Kg		01/13/15 12:29	01/13/15 22:11	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.0092		mg/Kg		01/13/15 10:16	01/13/15 19:38	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-11-1

Lab Sample ID: 720-62315-6

Date Collected: 01/12/15 12:55

Matrix: Solid

Date Received: 01/12/15 17:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Acetone	46		40		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Benzene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Dichlorobromomethane	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Bromobenzene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Chlorobromomethane	ND		16		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Bromoform	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Bromomethane	ND		8.1		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
2-Butanone (MEK)	ND		40		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
n-Butylbenzene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
sec-Butylbenzene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
tert-Butylbenzene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Carbon disulfide	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Carbon tetrachloride	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Chlorobenzene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Chloroethane	ND		8.1		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Chloroform	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Chloromethane	ND		8.1		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
2-Chlorotoluene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
4-Chlorotoluene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Chlorodibromomethane	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
1,2-Dichlorobenzene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
1,3-Dichlorobenzene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
1,4-Dichlorobenzene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
1,3-Dichloropropane	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
1,1-Dichloropropene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
1,2-Dibromo-3-Chloropropane	ND		8.1		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Ethylene Dibromide	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Dibromomethane	ND		8.1		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Dichlorodifluoromethane	ND		8.1		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
1,1-Dichloroethane	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
1,2-Dichloroethane	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
1,1-Dichloroethene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
cis-1,2-Dichloroethene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
trans-1,2-Dichloroethene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
1,2-Dichloropropane	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
cis-1,3-Dichloropropene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
trans-1,3-Dichloropropene	ND *		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Ethylbenzene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Hexachlorobutadiene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
2-Hexanone	ND		40		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Isopropylbenzene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
4-Isopropyltoluene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Methylene Chloride	ND		8.1		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
4-Methyl-2-pentanone (MIBK)	ND		40		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Naphthalene	ND		8.1		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
N-Propylbenzene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Styrene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
1,1,1,2-Tetrachloroethane	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-11-1

Lab Sample ID: 720-62315-6

Date Collected: 01/12/15 12:55

Matrix: Solid

Date Received: 01/12/15 17:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Tetrachloroethene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Toluene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
1,2,3-Trichlorobenzene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
1,2,4-Trichlorobenzene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
1,1,1-Trichloroethane	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
1,1,2-Trichloroethane	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Trichloroethene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Trichlorofluoromethane	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
1,2,3-Trichloropropane	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
1,2,4-Trimethylbenzene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
1,3,5-Trimethylbenzene	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Vinyl acetate	ND		16		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Vinyl chloride	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Xylenes, Total	ND		8.1		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
2,2-Dichloropropane	ND		4.0		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
Gasoline Range Organics (GRO)	ND		200		ug/Kg		01/12/15 19:10	01/14/15 11:50	1
-C5-C12									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		45 - 131				01/12/15 19:10	01/14/15 11:50	1
1,2-Dichloroethane-d4 (Surr)	116		60 - 140				01/12/15 19:10	01/14/15 11:50	1
Toluene-d8 (Surr)	95		58 - 140				01/12/15 19:10	01/14/15 11:50	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	41		0.99		mg/Kg		01/13/15 07:15	01/13/15 17:05	1
Motor Oil Range Organics [C24-C36]	140		50		mg/Kg		01/13/15 07:15	01/13/15 17:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	65		40 - 130				01/13/15 07:15	01/13/15 17:05	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.38		mg/Kg		01/13/15 12:29	01/13/15 22:16	1
Arsenic	3.5		0.77		mg/Kg		01/13/15 12:29	01/13/15 22:16	1
Barium	150		0.38		mg/Kg		01/13/15 12:29	01/13/15 22:16	1
Beryllium	ND		0.077		mg/Kg		01/13/15 12:29	01/13/15 22:16	1
Cadmium	0.13		0.096		mg/Kg		01/13/15 12:29	01/13/15 22:16	1
Chromium	28		0.38		mg/Kg		01/13/15 12:29	01/13/15 22:16	1
Cobalt	7.1		0.15		mg/Kg		01/13/15 12:29	01/13/15 22:16	1
Copper	19		1.2		mg/Kg		01/13/15 12:29	01/13/15 22:16	1
Lead	5.1		0.38		mg/Kg		01/13/15 12:29	01/13/15 22:16	1
Molybdenum	0.47		0.38		mg/Kg		01/13/15 12:29	01/13/15 22:16	1
Nickel	29		0.38		mg/Kg		01/13/15 12:29	01/13/15 22:16	1
Selenium	ND		0.77		mg/Kg		01/13/15 12:29	01/13/15 22:16	1
Silver	ND		0.19		mg/Kg		01/13/15 12:29	01/13/15 22:16	1
Thallium	ND		0.38		mg/Kg		01/13/15 12:29	01/13/15 22:16	1
Vanadium	29		0.38		mg/Kg		01/13/15 12:29	01/13/15 22:16	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-11-1

Date Collected: 01/12/15 12:55

Date Received: 01/12/15 17:00

Lab Sample ID: 720-62315-6

Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	40		1.2		mg/Kg		01/13/15 12:29	01/13/15 22:16	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.0088		mg/Kg		01/13/15 10:16	01/13/15 19:41	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-11-6

Lab Sample ID: 720-62315-7

Date Collected: 01/12/15 13:11

Matrix: Solid

Date Received: 01/12/15 17:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Acetone	ND		37		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Benzene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Dichlorobromomethane	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Bromobenzene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Chlorobromomethane	ND		15		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Bromoform	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Bromomethane	ND		7.4		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
2-Butanone (MEK)	ND		37		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
n-Butylbenzene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
sec-Butylbenzene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
tert-Butylbenzene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Carbon disulfide	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Carbon tetrachloride	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Chlorobenzene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Chloroethane	ND		7.4		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Chloroform	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Chloromethane	ND		7.4		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
2-Chlorotoluene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
4-Chlorotoluene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Chlorodibromomethane	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
1,2-Dichlorobenzene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
1,3-Dichlorobenzene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
1,4-Dichlorobenzene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
1,3-Dichloropropane	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
1,1-Dichloropropene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
1,2-Dibromo-3-Chloropropane	ND		7.4		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Ethylene Dibromide	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Dibromomethane	ND		7.4		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Dichlorodifluoromethane	ND		7.4		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
1,1-Dichloroethane	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
1,2-Dichloroethane	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
1,1-Dichloroethene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
cis-1,2-Dichloroethene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
trans-1,2-Dichloroethene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
1,2-Dichloropropane	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
cis-1,3-Dichloropropene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
trans-1,3-Dichloropropene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Ethylbenzene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Hexachlorobutadiene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
2-Hexanone	ND		37		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Isopropylbenzene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
4-Isopropyltoluene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Methylene Chloride	ND		7.4		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
4-Methyl-2-pentanone (MIBK)	ND		37		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Naphthalene	ND		7.4		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
N-Propylbenzene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Styrene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
1,1,1,2-Tetrachloroethane	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-11-6

Lab Sample ID: 720-62315-7

Date Collected: 01/12/15 13:11

Matrix: Solid

Date Received: 01/12/15 17:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Tetrachloroethene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Toluene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
1,2,3-Trichlorobenzene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
1,2,4-Trichlorobenzene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
1,1,1-Trichloroethane	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
1,1,2-Trichloroethane	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Trichloroethene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Trichlorofluoromethane	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
1,2,3-Trichloropropane	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
1,2,4-Trimethylbenzene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
1,3,5-Trimethylbenzene	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Vinyl acetate	ND		15		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Vinyl chloride	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Xylenes, Total	ND		7.4		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
2,2-Dichloropropane	ND		3.7		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Gasoline Range Organics (GRO) -C5-C12	ND		180		ug/Kg		01/12/15 19:10	01/13/15 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	83		45 - 131				01/12/15 19:10	01/13/15 16:49	1
1,2-Dichloroethane-d4 (Surr)	97		60 - 140				01/12/15 19:10	01/13/15 16:49	1
Toluene-d8 (Surr)	91		58 - 140				01/12/15 19:10	01/13/15 16:49	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	6.0		0.99		mg/Kg		01/13/15 07:15	01/13/15 16:17	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		01/13/15 07:15	01/13/15 16:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	79		40 - 130				01/13/15 07:15	01/13/15 16:17	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.4		mg/Kg		01/13/15 12:29	01/13/15 19:56	4
Arsenic	5.0		2.9		mg/Kg		01/13/15 12:29	01/13/15 22:21	4
Barium	120		1.4		mg/Kg		01/13/15 12:29	01/13/15 19:56	4
Beryllium	0.37		0.29		mg/Kg		01/13/15 12:29	01/13/15 19:56	4
Cadmium	ND		0.36		mg/Kg		01/13/15 12:29	01/13/15 19:56	4
Chromium	33		1.4		mg/Kg		01/13/15 12:29	01/13/15 19:56	4
Cobalt	8.8		0.58		mg/Kg		01/13/15 12:29	01/13/15 22:21	4
Copper	18		4.3		mg/Kg		01/13/15 12:29	01/13/15 19:56	4
Lead	4.9		1.4		mg/Kg		01/13/15 12:29	01/13/15 22:21	4
Molybdenum	1.9		1.4		mg/Kg		01/13/15 12:29	01/13/15 22:21	4
Nickel	38		1.4		mg/Kg		01/13/15 12:29	01/13/15 19:56	4
Selenium	ND		2.9		mg/Kg		01/13/15 12:29	01/13/15 22:21	4
Silver	ND		0.72		mg/Kg		01/13/15 12:29	01/13/15 19:56	4
Thallium	ND		1.4		mg/Kg		01/13/15 12:29	01/13/15 19:56	4
Vanadium	29		1.4		mg/Kg		01/13/15 12:29	01/13/15 19:56	4
Zinc	53		4.3		mg/Kg		01/13/15 12:29	01/13/15 22:21	4

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-11-6

Date Collected: 01/12/15 13:11

Date Received: 01/12/15 17:00

Lab Sample ID: 720-62315-7

Matrix: Solid

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.059		0.0087		mg/Kg		01/13/15 10:16	01/13/15 19:43	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-11

Date Collected: 01/12/15 13:30

Date Received: 01/12/15 17:00

Lab Sample ID: 720-62315-8

Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			01/13/15 15:55	1
Acetone	ND		50		ug/L			01/13/15 15:55	1
Benzene	ND		0.50		ug/L			01/13/15 15:55	1
Dichlorobromomethane	ND		0.50		ug/L			01/13/15 15:55	1
Bromobenzene	ND		1.0		ug/L			01/13/15 15:55	1
Chlorobromomethane	ND		1.0		ug/L			01/13/15 15:55	1
Bromoform	ND		1.0		ug/L			01/13/15 15:55	1
Bromomethane	ND		1.0		ug/L			01/13/15 15:55	1
2-Butanone (MEK)	ND		50		ug/L			01/13/15 15:55	1
n-Butylbenzene	ND		1.0		ug/L			01/13/15 15:55	1
sec-Butylbenzene	ND		1.0		ug/L			01/13/15 15:55	1
tert-Butylbenzene	ND		1.0		ug/L			01/13/15 15:55	1
Carbon disulfide	ND		5.0		ug/L			01/13/15 15:55	1
Carbon tetrachloride	ND		0.50		ug/L			01/13/15 15:55	1
Chlorobenzene	ND		0.50		ug/L			01/13/15 15:55	1
Chloroethane	ND		1.0		ug/L			01/13/15 15:55	1
Chloroform	ND		1.0		ug/L			01/13/15 15:55	1
Chloromethane	ND		1.0		ug/L			01/13/15 15:55	1
2-Chlorotoluene	ND		0.50		ug/L			01/13/15 15:55	1
4-Chlorotoluene	ND		0.50		ug/L			01/13/15 15:55	1
Chlorodibromomethane	ND		0.50		ug/L			01/13/15 15:55	1
1,2-Dichlorobenzene	ND		0.50		ug/L			01/13/15 15:55	1
1,3-Dichlorobenzene	ND		0.50		ug/L			01/13/15 15:55	1
1,4-Dichlorobenzene	ND		0.50		ug/L			01/13/15 15:55	1
1,3-Dichloropropane	ND		1.0		ug/L			01/13/15 15:55	1
1,1-Dichloropropene	ND		0.50		ug/L			01/13/15 15:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			01/13/15 15:55	1
Ethylene Dibromide	ND		0.50		ug/L			01/13/15 15:55	1
Dibromomethane	ND		0.50		ug/L			01/13/15 15:55	1
Dichlorodifluoromethane	ND		0.50		ug/L			01/13/15 15:55	1
1,1-Dichloroethane	ND		0.50		ug/L			01/13/15 15:55	1
1,2-Dichloroethane	ND		0.50		ug/L			01/13/15 15:55	1
1,1-Dichloroethene	ND		0.50		ug/L			01/13/15 15:55	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			01/13/15 15:55	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			01/13/15 15:55	1
1,2-Dichloropropane	ND		0.50		ug/L			01/13/15 15:55	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			01/13/15 15:55	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			01/13/15 15:55	1
Ethylbenzene	ND		0.50		ug/L			01/13/15 15:55	1
Hexachlorobutadiene	ND		1.0		ug/L			01/13/15 15:55	1
2-Hexanone	ND		50		ug/L			01/13/15 15:55	1
Isopropylbenzene	ND		0.50		ug/L			01/13/15 15:55	1
4-Isopropyltoluene	ND		1.0		ug/L			01/13/15 15:55	1
Methylene Chloride	ND		5.0		ug/L			01/13/15 15:55	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			01/13/15 15:55	1
Naphthalene	ND		1.0		ug/L			01/13/15 15:55	1
N-Propylbenzene	ND		1.0		ug/L			01/13/15 15:55	1
Styrene	ND		0.50		ug/L			01/13/15 15:55	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			01/13/15 15:55	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-11

Lab Sample ID: 720-62315-8

Date Collected: 01/12/15 13:30

Matrix: Water

Date Received: 01/12/15 17:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			01/13/15 15:55	1
Tetrachloroethene	ND		0.50		ug/L			01/13/15 15:55	1
Toluene	ND		0.50		ug/L			01/13/15 15:55	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			01/13/15 15:55	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			01/13/15 15:55	1
1,1,1-Trichloroethane	ND		0.50		ug/L			01/13/15 15:55	1
1,1,2-Trichloroethane	ND		0.50		ug/L			01/13/15 15:55	1
Trichloroethene	9.1		0.50		ug/L			01/13/15 15:55	1
Trichlorofluoromethane	ND		1.0		ug/L			01/13/15 15:55	1
1,2,3-Trichloropropane	ND		0.50		ug/L			01/13/15 15:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			01/13/15 15:55	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			01/13/15 15:55	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			01/13/15 15:55	1
Vinyl acetate	ND		10		ug/L			01/13/15 15:55	1
Vinyl chloride	ND		0.50		ug/L			01/13/15 15:55	1
Xylenes, Total	ND		1.0		ug/L			01/13/15 15:55	1
2,2-Dichloropropane	ND		0.50		ug/L			01/13/15 15:55	1
Gasoline Range Organics (GRO)	ND		50		ug/L			01/13/15 15:55	1
-C5-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		67 - 130		01/13/15 15:55	1
1,2-Dichloroethane-d4 (Surr)	107		72 - 130		01/13/15 15:55	1
Toluene-d8 (Surr)	98		70 - 130		01/13/15 15:55	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		55		ug/L		01/15/15 10:28	01/16/15 10:10	1
Motor Oil Range Organics [C24-C36]	ND		110		ug/L		01/15/15 10:28	01/16/15 10:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	99		23 - 156	01/15/15 10:28	01/16/15 10:10	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		01/14/15 14:05	01/14/15 16:41	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 720-62315-9

Date Collected: 01/12/15 00:00

Matrix: Water

Date Received: 01/12/15 17:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			01/13/15 18:22	1
Acetone	ND		50		ug/L			01/13/15 18:22	1
Benzene	ND		0.50		ug/L			01/13/15 18:22	1
Dichlorobromomethane	ND		0.50		ug/L			01/13/15 18:22	1
Bromobenzene	ND		1.0		ug/L			01/13/15 18:22	1
Chlorobromomethane	ND		1.0		ug/L			01/13/15 18:22	1
Bromoform	ND		1.0		ug/L			01/13/15 18:22	1
Bromomethane	ND		1.0		ug/L			01/13/15 18:22	1
2-Butanone (MEK)	ND		50		ug/L			01/13/15 18:22	1
n-Butylbenzene	ND		1.0		ug/L			01/13/15 18:22	1
sec-Butylbenzene	ND		1.0		ug/L			01/13/15 18:22	1
tert-Butylbenzene	ND		1.0		ug/L			01/13/15 18:22	1
Carbon disulfide	ND		5.0		ug/L			01/13/15 18:22	1
Carbon tetrachloride	ND		0.50		ug/L			01/13/15 18:22	1
Chlorobenzene	ND		0.50		ug/L			01/13/15 18:22	1
Chloroethane	ND		1.0		ug/L			01/13/15 18:22	1
Chloroform	ND		1.0		ug/L			01/13/15 18:22	1
Chloromethane	ND		1.0		ug/L			01/13/15 18:22	1
2-Chlorotoluene	ND		0.50		ug/L			01/13/15 18:22	1
4-Chlorotoluene	ND		0.50		ug/L			01/13/15 18:22	1
Chlorodibromomethane	ND		0.50		ug/L			01/13/15 18:22	1
1,2-Dichlorobenzene	ND		0.50		ug/L			01/13/15 18:22	1
1,3-Dichlorobenzene	ND		0.50		ug/L			01/13/15 18:22	1
1,4-Dichlorobenzene	ND		0.50		ug/L			01/13/15 18:22	1
1,3-Dichloropropane	ND		1.0		ug/L			01/13/15 18:22	1
1,1-Dichloropropene	ND		0.50		ug/L			01/13/15 18:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			01/13/15 18:22	1
Ethylene Dibromide	ND		0.50		ug/L			01/13/15 18:22	1
Dibromomethane	ND		0.50		ug/L			01/13/15 18:22	1
Dichlorodifluoromethane	ND		0.50		ug/L			01/13/15 18:22	1
1,1-Dichloroethane	ND		0.50		ug/L			01/13/15 18:22	1
1,2-Dichloroethane	ND		0.50		ug/L			01/13/15 18:22	1
1,1-Dichloroethene	ND		0.50		ug/L			01/13/15 18:22	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			01/13/15 18:22	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			01/13/15 18:22	1
1,2-Dichloropropane	ND		0.50		ug/L			01/13/15 18:22	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			01/13/15 18:22	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			01/13/15 18:22	1
Ethylbenzene	ND		0.50		ug/L			01/13/15 18:22	1
Hexachlorobutadiene	ND		1.0		ug/L			01/13/15 18:22	1
2-Hexanone	ND		50		ug/L			01/13/15 18:22	1
Isopropylbenzene	ND		0.50		ug/L			01/13/15 18:22	1
4-Isopropyltoluene	ND		1.0		ug/L			01/13/15 18:22	1
Methylene Chloride	ND		5.0		ug/L			01/13/15 18:22	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			01/13/15 18:22	1
Naphthalene	ND		1.0		ug/L			01/13/15 18:22	1
N-Propylbenzene	ND		1.0		ug/L			01/13/15 18:22	1
Styrene	ND		0.50		ug/L			01/13/15 18:22	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			01/13/15 18:22	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 720-62315-9

Date Collected: 01/12/15 00:00

Matrix: Water

Date Received: 01/12/15 17:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			01/13/15 18:22	1
Tetrachloroethene	ND		0.50		ug/L			01/13/15 18:22	1
Toluene	ND		0.50		ug/L			01/13/15 18:22	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			01/13/15 18:22	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			01/13/15 18:22	1
1,1,1-Trichloroethane	ND		0.50		ug/L			01/13/15 18:22	1
1,1,2-Trichloroethane	ND		0.50		ug/L			01/13/15 18:22	1
Trichloroethene	ND		0.50		ug/L			01/13/15 18:22	1
Trichlorofluoromethane	ND		1.0		ug/L			01/13/15 18:22	1
1,2,3-Trichloropropane	ND		0.50		ug/L			01/13/15 18:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			01/13/15 18:22	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			01/13/15 18:22	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			01/13/15 18:22	1
Vinyl acetate	ND		10		ug/L			01/13/15 18:22	1
Vinyl chloride	ND		0.50		ug/L			01/13/15 18:22	1
Xylenes, Total	ND		1.0		ug/L			01/13/15 18:22	1
2,2-Dichloropropane	ND		0.50		ug/L			01/13/15 18:22	1
Gasoline Range Organics (GRO)	ND		50		ug/L			01/13/15 18:22	1
-C5-C12									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		67 - 130					01/13/15 18:22	1
1,2-Dichloroethane-d4 (Surr)	104		72 - 130					01/13/15 18:22	1
Toluene-d8 (Surr)	94		70 - 130					01/13/15 18:22	1

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-174005/5

Matrix: Solid

Analysis Batch: 174005

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg			01/13/15 08:36	1
Acetone	ND		50		ug/Kg			01/13/15 08:36	1
Benzene	ND		5.0		ug/Kg			01/13/15 08:36	1
Dichlorobromomethane	ND		5.0		ug/Kg			01/13/15 08:36	1
Bromobenzene	ND		5.0		ug/Kg			01/13/15 08:36	1
Chlorobromomethane	ND		20		ug/Kg			01/13/15 08:36	1
Bromoform	ND		5.0		ug/Kg			01/13/15 08:36	1
Bromomethane	ND		10		ug/Kg			01/13/15 08:36	1
2-Butanone (MEK)	ND		50		ug/Kg			01/13/15 08:36	1
n-Butylbenzene	ND		5.0		ug/Kg			01/13/15 08:36	1
sec-Butylbenzene	ND		5.0		ug/Kg			01/13/15 08:36	1
tert-Butylbenzene	ND		5.0		ug/Kg			01/13/15 08:36	1
Carbon disulfide	ND		5.0		ug/Kg			01/13/15 08:36	1
Carbon tetrachloride	ND		5.0		ug/Kg			01/13/15 08:36	1
Chlorobenzene	ND		5.0		ug/Kg			01/13/15 08:36	1
Chloroethane	ND		10		ug/Kg			01/13/15 08:36	1
Chloroform	ND		5.0		ug/Kg			01/13/15 08:36	1
Chloromethane	ND		10		ug/Kg			01/13/15 08:36	1
2-Chlorotoluene	ND		5.0		ug/Kg			01/13/15 08:36	1
4-Chlorotoluene	ND		5.0		ug/Kg			01/13/15 08:36	1
Chlorodibromomethane	ND		5.0		ug/Kg			01/13/15 08:36	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg			01/13/15 08:36	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg			01/13/15 08:36	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg			01/13/15 08:36	1
1,3-Dichloropropane	ND		5.0		ug/Kg			01/13/15 08:36	1
1,1-Dichloropropene	ND		5.0		ug/Kg			01/13/15 08:36	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			01/13/15 08:36	1
Ethylene Dibromide	ND		5.0		ug/Kg			01/13/15 08:36	1
Dibromomethane	ND		10		ug/Kg			01/13/15 08:36	1
Dichlorodifluoromethane	ND		10		ug/Kg			01/13/15 08:36	1
1,1-Dichloroethane	ND		5.0		ug/Kg			01/13/15 08:36	1
1,2-Dichloroethane	ND		5.0		ug/Kg			01/13/15 08:36	1
1,1-Dichloroethene	ND		5.0		ug/Kg			01/13/15 08:36	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			01/13/15 08:36	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg			01/13/15 08:36	1
1,2-Dichloropropane	ND		5.0		ug/Kg			01/13/15 08:36	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg			01/13/15 08:36	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg			01/13/15 08:36	1
Ethylbenzene	ND		5.0		ug/Kg			01/13/15 08:36	1
Hexachlorobutadiene	ND		5.0		ug/Kg			01/13/15 08:36	1
2-Hexanone	ND		50		ug/Kg			01/13/15 08:36	1
Isopropylbenzene	ND		5.0		ug/Kg			01/13/15 08:36	1
4-Isopropyltoluene	ND		5.0		ug/Kg			01/13/15 08:36	1
Methylene Chloride	ND		10		ug/Kg			01/13/15 08:36	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg			01/13/15 08:36	1
Naphthalene	ND		10		ug/Kg			01/13/15 08:36	1
N-Propylbenzene	ND		5.0		ug/Kg			01/13/15 08:36	1
Styrene	ND		5.0		ug/Kg			01/13/15 08:36	1

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-174005/5

Matrix: Solid

Analysis Batch: 174005

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			01/13/15 08:36	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg			01/13/15 08:36	1
Tetrachloroethene	ND		5.0		ug/Kg			01/13/15 08:36	1
Toluene	ND		5.0		ug/Kg			01/13/15 08:36	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			01/13/15 08:36	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			01/13/15 08:36	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg			01/13/15 08:36	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg			01/13/15 08:36	1
Trichloroethene	ND		5.0		ug/Kg			01/13/15 08:36	1
Trichlorofluoromethane	ND		5.0		ug/Kg			01/13/15 08:36	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg			01/13/15 08:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg			01/13/15 08:36	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg			01/13/15 08:36	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg			01/13/15 08:36	1
Vinyl acetate	ND		20		ug/Kg			01/13/15 08:36	1
Vinyl chloride	ND		5.0		ug/Kg			01/13/15 08:36	1
Xylenes, Total	ND		10		ug/Kg			01/13/15 08:36	1
2,2-Dichloropropane	ND		5.0		ug/Kg			01/13/15 08:36	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			01/13/15 08:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	87		45 - 131		01/13/15 08:36	1
1,2-Dichloroethane-d4 (Surr)	88		60 - 140		01/13/15 08:36	1
Toluene-d8 (Surr)	93		58 - 140		01/13/15 08:36	1

Lab Sample ID: LCS 720-174005/6

Matrix: Solid

Analysis Batch: 174005

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	45.4		ug/Kg		91	70 - 144
Acetone	250	268		ug/Kg		107	30 - 162
Benzene	50.0	47.6		ug/Kg		95	70 - 130
Dichlorobromomethane	50.0	49.9		ug/Kg		100	70 - 131
Bromobenzene	50.0	48.9		ug/Kg		98	70 - 130
Chlorobromomethane	50.0	52.1		ug/Kg		104	70 - 130
Bromoform	50.0	50.6		ug/Kg		101	59 - 158
Bromomethane	50.0	55.6		ug/Kg		111	59 - 132
2-Butanone (MEK)	250	276		ug/Kg		110	53 - 124
n-Butylbenzene	50.0	46.2		ug/Kg		92	70 - 142
sec-Butylbenzene	50.0	46.3		ug/Kg		93	70 - 136
tert-Butylbenzene	50.0	45.6		ug/Kg		91	70 - 130
Carbon disulfide	50.0	47.5		ug/Kg		95	60 - 140
Carbon tetrachloride	50.0	50.3		ug/Kg		101	70 - 138
Chlorobenzene	50.0	47.6		ug/Kg		95	70 - 130
Chloroethane	50.0	53.0		ug/Kg		106	65 - 130
Chloroform	50.0	47.5		ug/Kg		95	77 - 127

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-174005/6

Matrix: Solid

Analysis Batch: 174005

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	50.0	50.7		ug/Kg		101	55 - 140
2-Chlorotoluene	50.0	45.1		ug/Kg		90	70 - 138
4-Chlorotoluene	50.0	45.4		ug/Kg		91	70 - 136
Chlorodibromomethane	50.0	55.2		ug/Kg		110	70 - 146
1,2-Dichlorobenzene	50.0	47.7		ug/Kg		95	70 - 130
1,3-Dichlorobenzene	50.0	46.9		ug/Kg		94	70 - 131
1,4-Dichlorobenzene	50.0	48.0		ug/Kg		96	70 - 130
1,3-Dichloropropane	50.0	49.6		ug/Kg		99	70 - 140
1,1-Dichloropropene	50.0	49.6		ug/Kg		99	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	47.5		ug/Kg		95	60 - 145
Ethylene Dibromide	50.0	52.9		ug/Kg		106	70 - 140
Dibromomethane	50.0	51.1		ug/Kg		102	70 - 139
Dichlorodifluoromethane	50.0	57.6		ug/Kg		115	37 - 158
1,1-Dichloroethane	50.0	46.6		ug/Kg		93	70 - 130
1,2-Dichloroethane	50.0	44.4		ug/Kg		89	70 - 130
1,1-Dichloroethene	50.0	44.4		ug/Kg		89	76 - 122
cis-1,2-Dichloroethene	50.0	45.9		ug/Kg		92	70 - 138
trans-1,2-Dichloroethene	50.0	45.6		ug/Kg		91	67 - 130
1,2-Dichloropropane	50.0	48.4		ug/Kg		97	73 - 127
cis-1,3-Dichloropropene	50.0	51.0		ug/Kg		102	68 - 147
trans-1,3-Dichloropropene	50.0	55.3		ug/Kg		111	70 - 136
Ethylbenzene	50.0	46.1		ug/Kg		92	80 - 137
Hexachlorobutadiene	50.0	47.6		ug/Kg		95	70 - 132
2-Hexanone	250	231		ug/Kg		92	44 - 133
Isopropylbenzene	50.0	46.9		ug/Kg		94	70 - 130
4-Isopropyltoluene	50.0	46.6		ug/Kg		93	70 - 133
Methylene Chloride	50.0	50.2		ug/Kg		100	70 - 134
4-Methyl-2-pentanone (MIBK)	250	234		ug/Kg		94	60 - 160
Naphthalene	50.0	50.2		ug/Kg		100	60 - 147
N-Propylbenzene	50.0	45.9		ug/Kg		92	70 - 130
Styrene	50.0	49.8		ug/Kg		100	70 - 130
1,1,1,2-Tetrachloroethane	50.0	52.1		ug/Kg		104	70 - 130
1,1,2,2-Tetrachloroethane	50.0	49.8		ug/Kg		100	70 - 146
Tetrachloroethene	50.0	49.6		ug/Kg		99	70 - 132
Toluene	50.0	47.3		ug/Kg		95	80 - 128
1,2,3-Trichlorobenzene	50.0	49.0		ug/Kg		98	60 - 140
1,2,4-Trichlorobenzene	50.0	49.1		ug/Kg		98	60 - 140
1,1,1-Trichloroethane	50.0	46.0		ug/Kg		92	70 - 130
1,1,2-Trichloroethane	50.0	50.4		ug/Kg		101	70 - 130
Trichloroethene	50.0	51.1		ug/Kg		102	70 - 133
Trichlorofluoromethane	50.0	53.2		ug/Kg		106	60 - 140
1,2,3-Trichloropropane	50.0	50.1		ug/Kg		100	70 - 146
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.0		ug/Kg		94	60 - 140
1,2,4-Trimethylbenzene	50.0	45.9		ug/Kg		92	70 - 130
1,3,5-Trimethylbenzene	50.0	46.7		ug/Kg		93	70 - 131
Vinyl acetate	50.0	42.5		ug/Kg		85	38 - 176
Vinyl chloride	50.0	51.5		ug/Kg		103	58 - 125

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-174005/6

Matrix: Solid

Analysis Batch: 174005

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	50.0	45.8		ug/Kg		92	70 - 146
o-Xylene	50.0	46.1		ug/Kg		92	70 - 140
2,2-Dichloropropane	50.0	47.2		ug/Kg		94	70 - 162

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	90		45 - 131
1,2-Dichloroethane-d4 (Surr)	90		60 - 140
Toluene-d8 (Surr)	96		58 - 140

Lab Sample ID: LCS 720-174005/8

Matrix: Solid

Analysis Batch: 174005

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)	1000	952		ug/Kg		95	61 - 128
-C5-C12							

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	90		45 - 131
1,2-Dichloroethane-d4 (Surr)	89		60 - 140
Toluene-d8 (Surr)	95		58 - 140

Lab Sample ID: LCSD 720-174005/7

Matrix: Solid

Analysis Batch: 174005

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	44.8		ug/Kg		90	70 - 144	1	20
Acetone	250	278		ug/Kg		111	30 - 162	4	30
Benzene	50.0	48.5		ug/Kg		97	70 - 130	2	20
Dichlorobromomethane	50.0	49.7		ug/Kg		99	70 - 131	0	20
Bromobenzene	50.0	50.4		ug/Kg		101	70 - 130	3	20
Chlorobromomethane	50.0	51.9		ug/Kg		104	70 - 130	0	20
Bromoform	50.0	51.2		ug/Kg		102	59 - 158	1	20
Bromomethane	50.0	56.1		ug/Kg		112	59 - 132	1	20
2-Butanone (MEK)	250	272		ug/Kg		109	53 - 124	1	20
n-Butylbenzene	50.0	48.9		ug/Kg		98	70 - 142	6	20
sec-Butylbenzene	50.0	48.9		ug/Kg		98	70 - 136	6	20
tert-Butylbenzene	50.0	48.7		ug/Kg		97	70 - 130	7	20
Carbon disulfide	50.0	49.4		ug/Kg		99	60 - 140	4	20
Carbon tetrachloride	50.0	51.5		ug/Kg		103	70 - 138	2	20
Chlorobenzene	50.0	49.1		ug/Kg		98	70 - 130	3	20
Chloroethane	50.0	53.9		ug/Kg		108	65 - 130	2	20
Chloroform	50.0	48.0		ug/Kg		96	77 - 127	1	20
Chloromethane	50.0	51.5		ug/Kg		103	55 - 140	1	20
2-Chlorotoluene	50.0	46.9		ug/Kg		94	70 - 138	4	20
4-Chlorotoluene	50.0	47.5		ug/Kg		95	70 - 136	5	20
Chlorodibromomethane	50.0	55.0		ug/Kg		110	70 - 146	0	20

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-174005/7

Matrix: Solid

Analysis Batch: 174005

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichlorobenzene	50.0	49.4		ug/Kg		99	70 - 130	4	20
1,3-Dichlorobenzene	50.0	49.2		ug/Kg		98	70 - 131	5	20
1,4-Dichlorobenzene	50.0	49.9		ug/Kg		100	70 - 130	4	20
1,3-Dichloropropane	50.0	49.1		ug/Kg		98	70 - 140	1	20
1,1-Dichloropropene	50.0	51.5		ug/Kg		103	70 - 130	4	20
1,2-Dibromo-3-Chloropropane	50.0	48.0		ug/Kg		96	60 - 145	1	20
Ethylene Dibromide	50.0	51.7		ug/Kg		103	70 - 140	2	20
Dibromomethane	50.0	50.9		ug/Kg		102	70 - 139	1	20
Dichlorodifluoromethane	50.0	58.1		ug/Kg		116	37 - 158	1	20
1,1-Dichloroethane	50.0	47.5		ug/Kg		95	70 - 130	2	20
1,2-Dichloroethane	50.0	43.8		ug/Kg		88	70 - 130	1	20
1,1-Dichloroethene	50.0	46.0		ug/Kg		92	76 - 122	4	20
cis-1,2-Dichloroethene	50.0	46.7		ug/Kg		93	70 - 138	2	20
trans-1,2-Dichloroethene	50.0	47.8		ug/Kg		96	67 - 130	5	20
1,2-Dichloropropane	50.0	48.8		ug/Kg		98	73 - 127	1	20
cis-1,3-Dichloropropene	50.0	51.1		ug/Kg		102	68 - 147	0	20
trans-1,3-Dichloropropene	50.0	54.8		ug/Kg		110	70 - 136	1	20
Ethylbenzene	50.0	47.8		ug/Kg		96	80 - 137	4	20
Hexachlorobutadiene	50.0	50.9		ug/Kg		102	70 - 132	7	20
2-Hexanone	250	225		ug/Kg		90	44 - 133	3	20
Isopropylbenzene	50.0	49.1		ug/Kg		98	70 - 130	5	20
4-Isopropyltoluene	50.0	49.5		ug/Kg		99	70 - 133	6	20
Methylene Chloride	50.0	50.9		ug/Kg		102	70 - 134	1	20
4-Methyl-2-pentanone (MIBK)	250	226		ug/Kg		90	60 - 160	4	20
Naphthalene	50.0	51.2		ug/Kg		102	60 - 147	2	20
N-Propylbenzene	50.0	48.2		ug/Kg		96	70 - 130	5	20
Styrene	50.0	51.4		ug/Kg		103	70 - 130	3	20
1,1,1,2-Tetrachloroethane	50.0	53.6		ug/Kg		107	70 - 130	3	20
1,1,2,2-Tetrachloroethane	50.0	50.9		ug/Kg		102	70 - 146	2	20
Tetrachloroethene	50.0	52.1		ug/Kg		104	70 - 132	5	20
Toluene	50.0	49.1		ug/Kg		98	80 - 128	4	20
1,2,3-Trichlorobenzene	50.0	50.1		ug/Kg		100	60 - 140	2	20
1,2,4-Trichlorobenzene	50.0	51.2		ug/Kg		102	60 - 140	4	20
1,1,1-Trichloroethane	50.0	47.6		ug/Kg		95	70 - 130	3	20
1,1,2-Trichloroethane	50.0	50.4		ug/Kg		101	70 - 130	0	20
Trichloroethene	50.0	52.5		ug/Kg		105	70 - 133	3	20
Trichlorofluoromethane	50.0	53.1		ug/Kg		106	60 - 140	0	20
1,2,3-Trichloropropane	50.0	51.5		ug/Kg		103	70 - 146	3	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	48.9		ug/Kg		98	60 - 140	4	20
1,2,4-Trimethylbenzene	50.0	47.8		ug/Kg		96	70 - 130	4	20
1,3,5-Trimethylbenzene	50.0	49.1		ug/Kg		98	70 - 131	5	20
Vinyl acetate	50.0	43.8		ug/Kg		88	38 - 176	3	20
Vinyl chloride	50.0	53.0		ug/Kg		106	58 - 125	3	20
m-Xylene & p-Xylene	50.0	47.4		ug/Kg		95	70 - 146	3	20
o-Xylene	50.0	47.7		ug/Kg		95	70 - 140	3	20
2,2-Dichloropropane	50.0	49.8		ug/Kg		100	70 - 162	5	20

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-174005/7

Matrix: Solid

Analysis Batch: 174005

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	90		45 - 131
1,2-Dichloroethane-d4 (Surr)	87		60 - 140
Toluene-d8 (Surr)	97		58 - 140

Lab Sample ID: LCSD 720-174005/9

Matrix: Solid

Analysis Batch: 174005

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)	1000	999		ug/Kg		100	61 - 128	5	20
-C5-C12									

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	90		45 - 131
1,2-Dichloroethane-d4 (Surr)	90		60 - 140
Toluene-d8 (Surr)	96		58 - 140

Lab Sample ID: MB 720-174007/5

Matrix: Water

Analysis Batch: 174007

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			01/13/15 08:27	1
Acetone	ND		50		ug/L			01/13/15 08:27	1
Benzene	ND		0.50		ug/L			01/13/15 08:27	1
Dichlorobromomethane	ND		0.50		ug/L			01/13/15 08:27	1
Bromobenzene	ND		1.0		ug/L			01/13/15 08:27	1
Chlorobromomethane	ND		1.0		ug/L			01/13/15 08:27	1
Bromoform	ND		1.0		ug/L			01/13/15 08:27	1
Bromomethane	ND		1.0		ug/L			01/13/15 08:27	1
2-Butanone (MEK)	ND		50		ug/L			01/13/15 08:27	1
n-Butylbenzene	ND		1.0		ug/L			01/13/15 08:27	1
sec-Butylbenzene	ND		1.0		ug/L			01/13/15 08:27	1
tert-Butylbenzene	ND		1.0		ug/L			01/13/15 08:27	1
Carbon disulfide	ND		5.0		ug/L			01/13/15 08:27	1
Carbon tetrachloride	ND		0.50		ug/L			01/13/15 08:27	1
Chlorobenzene	ND		0.50		ug/L			01/13/15 08:27	1
Chloroethane	ND		1.0		ug/L			01/13/15 08:27	1
Chloroform	ND		1.0		ug/L			01/13/15 08:27	1
Chloromethane	ND		1.0		ug/L			01/13/15 08:27	1
2-Chlorotoluene	ND		0.50		ug/L			01/13/15 08:27	1
4-Chlorotoluene	ND		0.50		ug/L			01/13/15 08:27	1
Chlorodibromomethane	ND		0.50		ug/L			01/13/15 08:27	1
1,2-Dichlorobenzene	ND		0.50		ug/L			01/13/15 08:27	1
1,3-Dichlorobenzene	ND		0.50		ug/L			01/13/15 08:27	1
1,4-Dichlorobenzene	ND		0.50		ug/L			01/13/15 08:27	1
1,3-Dichloropropane	ND		1.0		ug/L			01/13/15 08:27	1
1,1-Dichloropropene	ND		0.50		ug/L			01/13/15 08:27	1

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-174007/5

Matrix: Water

Analysis Batch: 174007

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			01/13/15 08:27	1
Ethylene Dibromide	ND		0.50		ug/L			01/13/15 08:27	1
Dibromomethane	ND		0.50		ug/L			01/13/15 08:27	1
Dichlorodifluoromethane	ND		0.50		ug/L			01/13/15 08:27	1
1,1-Dichloroethane	ND		0.50		ug/L			01/13/15 08:27	1
1,2-Dichloroethane	ND		0.50		ug/L			01/13/15 08:27	1
1,1-Dichloroethene	ND		0.50		ug/L			01/13/15 08:27	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			01/13/15 08:27	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			01/13/15 08:27	1
1,2-Dichloropropane	ND		0.50		ug/L			01/13/15 08:27	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			01/13/15 08:27	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			01/13/15 08:27	1
Ethylbenzene	ND		0.50		ug/L			01/13/15 08:27	1
Hexachlorobutadiene	ND		1.0		ug/L			01/13/15 08:27	1
2-Hexanone	ND		50		ug/L			01/13/15 08:27	1
Isopropylbenzene	ND		0.50		ug/L			01/13/15 08:27	1
4-Isopropyltoluene	ND		1.0		ug/L			01/13/15 08:27	1
Methylene Chloride	ND		5.0		ug/L			01/13/15 08:27	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			01/13/15 08:27	1
Naphthalene	ND		1.0		ug/L			01/13/15 08:27	1
N-Propylbenzene	ND		1.0		ug/L			01/13/15 08:27	1
Styrene	ND		0.50		ug/L			01/13/15 08:27	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			01/13/15 08:27	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			01/13/15 08:27	1
Tetrachloroethene	ND		0.50		ug/L			01/13/15 08:27	1
Toluene	ND		0.50		ug/L			01/13/15 08:27	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			01/13/15 08:27	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			01/13/15 08:27	1
1,1,1-Trichloroethane	ND		0.50		ug/L			01/13/15 08:27	1
1,1,2-Trichloroethane	ND		0.50		ug/L			01/13/15 08:27	1
Trichloroethene	ND		0.50		ug/L			01/13/15 08:27	1
Trichlorofluoromethane	ND		1.0		ug/L			01/13/15 08:27	1
1,2,3-Trichloropropane	ND		0.50		ug/L			01/13/15 08:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			01/13/15 08:27	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			01/13/15 08:27	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			01/13/15 08:27	1
Vinyl acetate	ND		10		ug/L			01/13/15 08:27	1
Vinyl chloride	ND		0.50		ug/L			01/13/15 08:27	1
Xylenes, Total	ND		1.0		ug/L			01/13/15 08:27	1
2,2-Dichloropropane	ND		0.50		ug/L			01/13/15 08:27	1
Gasoline Range Organics (GRO)	ND		50		ug/L			01/13/15 08:27	1
-C5-C12									

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		67 - 130		01/13/15 08:27	1
1,2-Dichloroethane-d4 (Surr)	105		72 - 130		01/13/15 08:27	1
Toluene-d8 (Surr)	95		70 - 130		01/13/15 08:27	1

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-174007/6

Matrix: Water

Analysis Batch: 174007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	27.7		ug/L		111	62 - 130
Acetone	125	130		ug/L		104	26 - 180
Benzene	25.0	25.9		ug/L		104	79 - 130
Dichlorobromomethane	25.0	27.3		ug/L		109	70 - 130
Bromobenzene	25.0	24.7		ug/L		99	70 - 130
Chlorobromomethane	25.0	25.5		ug/L		102	70 - 130
Bromoform	25.0	28.3		ug/L		113	68 - 136
Bromomethane	25.0	23.6		ug/L		94	43 - 151
2-Butanone (MEK)	125	127		ug/L		102	54 - 130
n-Butylbenzene	25.0	25.5		ug/L		102	70 - 142
sec-Butylbenzene	25.0	24.2		ug/L		97	70 - 134
tert-Butylbenzene	25.0	24.3		ug/L		97	70 - 135
Carbon disulfide	25.0	24.2		ug/L		97	58 - 130
Carbon tetrachloride	25.0	23.8		ug/L		95	70 - 146
Chlorobenzene	25.0	25.7		ug/L		103	70 - 130
Chloroethane	25.0	22.9		ug/L		92	62 - 138
Chloroform	25.0	26.1		ug/L		104	70 - 130
Chloromethane	25.0	29.4		ug/L		117	52 - 175
2-Chlorotoluene	25.0	26.1		ug/L		104	70 - 130
4-Chlorotoluene	25.0	26.2		ug/L		105	70 - 130
Chlorodibromomethane	25.0	28.1		ug/L		112	70 - 145
1,2-Dichlorobenzene	25.0	24.7		ug/L		99	70 - 130
1,3-Dichlorobenzene	25.0	24.7		ug/L		99	70 - 130
1,4-Dichlorobenzene	25.0	24.7		ug/L		99	70 - 130
1,3-Dichloropropane	25.0	26.6		ug/L		106	70 - 130
1,1-Dichloropropene	25.0	26.4		ug/L		106	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	25.0		ug/L		100	70 - 136
Ethylene Dibromide	25.0	26.1		ug/L		105	70 - 130
Dibromomethane	25.0	27.2		ug/L		109	70 - 130
Dichlorodifluoromethane	25.0	25.9		ug/L		104	34 - 132
1,1-Dichloroethane	25.0	27.6		ug/L		110	70 - 130
1,2-Dichloroethane	25.0	26.7		ug/L		107	61 - 132
1,1-Dichloroethene	25.0	22.6		ug/L		91	64 - 128
cis-1,2-Dichloroethene	25.0	27.7		ug/L		111	70 - 130
trans-1,2-Dichloroethene	25.0	25.3		ug/L		101	68 - 130
1,2-Dichloropropane	25.0	28.4		ug/L		114	70 - 130
cis-1,3-Dichloropropene	25.0	30.3		ug/L		121	70 - 130
trans-1,3-Dichloropropene	25.0	32.0		ug/L		128	70 - 140
Ethylbenzene	25.0	24.5		ug/L		98	80 - 120
Hexachlorobutadiene	25.0	21.1		ug/L		84	70 - 130
2-Hexanone	125	138		ug/L		110	60 - 164
Isopropylbenzene	25.0	23.8		ug/L		95	70 - 130
4-Isopropyltoluene	25.0	24.4		ug/L		98	70 - 130
Methylene Chloride	25.0	24.3		ug/L		97	70 - 147
4-Methyl-2-pentanone (MIBK)	125	146		ug/L		117	58 - 130
Naphthalene	25.0	25.5		ug/L		102	70 - 130
N-Propylbenzene	25.0	25.6		ug/L		102	70 - 130
Styrene	25.0	27.6		ug/L		110	70 - 130

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-174007/6

Matrix: Water

Analysis Batch: 174007

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	26.6		ug/L		107	70 - 130
1,1,2,2-Tetrachloroethane	25.0	27.6		ug/L		111	70 - 130
Tetrachloroethene	25.0	21.8		ug/L		87	70 - 130
Toluene	25.0	26.3		ug/L		105	78 - 120
1,2,3-Trichlorobenzene	25.0	23.3		ug/L		93	70 - 130
1,2,4-Trichlorobenzene	25.0	25.3		ug/L		101	70 - 130
1,1,1-Trichloroethane	25.0	24.0		ug/L		96	70 - 130
1,1,2-Trichloroethane	25.0	26.9		ug/L		108	70 - 130
Trichloroethene	25.0	24.2		ug/L		97	70 - 130
Trichlorofluoromethane	25.0	25.5		ug/L		102	66 - 132
1,2,3-Trichloropropane	25.0	26.6		ug/L		106	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	19.9		ug/L		80	42 - 162
1,2,4-Trimethylbenzene	25.0	25.6		ug/L		102	70 - 132
1,3,5-Trimethylbenzene	25.0	25.8		ug/L		103	70 - 130
Vinyl acetate	25.0	31.5		ug/L		126	43 - 163
Vinyl chloride	25.0	23.2		ug/L		93	54 - 135
m-Xylene & p-Xylene	25.0	25.9		ug/L		103	70 - 142
o-Xylene	25.0	24.9		ug/L		99	70 - 130
2,2-Dichloropropane	25.0	23.5		ug/L		94	70 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	101		72 - 130
Toluene-d8 (Surr)	97		70 - 130

Lab Sample ID: LCS 720-174007/8

Matrix: Water

Analysis Batch: 174007

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	500	542		ug/L		108	62 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	103		67 - 130
1,2-Dichloroethane-d4 (Surr)	104		72 - 130
Toluene-d8 (Surr)	97		70 - 130

Lab Sample ID: LCSD 720-174007/7

Matrix: Water

Analysis Batch: 174007

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Methyl tert-butyl ether	25.0	28.0		ug/L		112	62 - 130	1	20
Acetone	125	128		ug/L		103	26 - 180	1	30
Benzene	25.0	26.2		ug/L		105	79 - 130	1	20
Dichlorobromomethane	25.0	27.7		ug/L		111	70 - 130	2	20

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-174007/7

Matrix: Water

Analysis Batch: 174007

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromobenzene	25.0	25.0		ug/L		100	70 - 130	1	20
Chlorobromomethane	25.0	25.7		ug/L		103	70 - 130	1	20
Bromoform	25.0	28.7		ug/L		115	68 - 136	1	20
Bromomethane	25.0	23.8		ug/L		95	43 - 151	1	20
2-Butanone (MEK)	125	127		ug/L		102	54 - 130	0	20
n-Butylbenzene	25.0	25.2		ug/L		101	70 - 142	1	20
sec-Butylbenzene	25.0	24.0		ug/L		96	70 - 134	1	20
tert-Butylbenzene	25.0	24.1		ug/L		97	70 - 135	1	20
Carbon disulfide	25.0	24.1		ug/L		96	58 - 130	0	20
Carbon tetrachloride	25.0	24.0		ug/L		96	70 - 146	1	20
Chlorobenzene	25.0	25.7		ug/L		103	70 - 130	0	20
Chloroethane	25.0	23.5		ug/L		94	62 - 138	3	20
Chloroform	25.0	26.5		ug/L		106	70 - 130	1	20
Chloromethane	25.0	30.1		ug/L		120	52 - 175	2	20
2-Chlorotoluene	25.0	25.9		ug/L		104	70 - 130	1	20
4-Chlorotoluene	25.0	26.2		ug/L		105	70 - 130	0	20
Chlorodibromomethane	25.0	28.4		ug/L		114	70 - 145	1	20
1,2-Dichlorobenzene	25.0	24.9		ug/L		100	70 - 130	1	20
1,3-Dichlorobenzene	25.0	24.8		ug/L		99	70 - 130	0	20
1,4-Dichlorobenzene	25.0	24.7		ug/L		99	70 - 130	0	20
1,3-Dichloropropane	25.0	26.9		ug/L		108	70 - 130	1	20
1,1-Dichloropropene	25.0	26.7		ug/L		107	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	25.0	24.8		ug/L		99	70 - 136	1	20
Ethylene Dibromide	25.0	26.6		ug/L		106	70 - 130	2	20
Dibromomethane	25.0	27.3		ug/L		109	70 - 130	1	20
Dichlorodifluoromethane	25.0	25.3		ug/L		101	34 - 132	2	20
1,1-Dichloroethane	25.0	27.9		ug/L		112	70 - 130	1	20
1,2-Dichloroethane	25.0	26.8		ug/L		107	61 - 132	0	20
1,1-Dichloroethene	25.0	22.9		ug/L		92	64 - 128	1	20
cis-1,2-Dichloroethene	25.0	27.9		ug/L		112	70 - 130	1	20
trans-1,2-Dichloroethene	25.0	25.5		ug/L		102	68 - 130	1	20
1,2-Dichloropropane	25.0	28.8		ug/L		115	70 - 130	1	20
cis-1,3-Dichloropropene	25.0	30.9		ug/L		124	70 - 130	2	20
trans-1,3-Dichloropropene	25.0	32.7		ug/L		131	70 - 140	2	20
Ethylbenzene	25.0	24.6		ug/L		98	80 - 120	0	20
Hexachlorobutadiene	25.0	21.1		ug/L		84	70 - 130	0	20
2-Hexanone	125	137		ug/L		109	60 - 164	1	20
Isopropylbenzene	25.0	23.7		ug/L		95	70 - 130	1	20
4-Isopropyltoluene	25.0	24.2		ug/L		97	70 - 130	1	20
Methylene Chloride	25.0	24.6		ug/L		98	70 - 147	1	20
4-Methyl-2-pentanone (MIBK)	125	145		ug/L		116	58 - 130	1	20
Naphthalene	25.0	25.7		ug/L		103	70 - 130	1	20
N-Propylbenzene	25.0	25.7		ug/L		103	70 - 130	0	20
Styrene	25.0	27.9		ug/L		111	70 - 130	1	20
1,1,1,2-Tetrachloroethane	25.0	26.6		ug/L		107	70 - 130	0	20
1,1,2,2-Tetrachloroethane	25.0	27.8		ug/L		111	70 - 130	1	20
Tetrachloroethene	25.0	22.4		ug/L		89	70 - 130	2	20
Toluene	25.0	26.2		ug/L		105	78 - 120	1	20

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-174007/7

Matrix: Water

Analysis Batch: 174007

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,3-Trichlorobenzene	25.0	24.1		ug/L		97	70 - 130	4	20
1,2,4-Trichlorobenzene	25.0	25.4		ug/L		101	70 - 130	0	20
1,1,1-Trichloroethane	25.0	24.0		ug/L		96	70 - 130	0	20
1,1,2-Trichloroethane	25.0	27.2		ug/L		109	70 - 130	1	20
Trichloroethene	25.0	24.2		ug/L		97	70 - 130	0	20
Trichlorofluoromethane	25.0	25.2		ug/L		101	66 - 132	1	20
1,2,3-Trichloropropane	25.0	26.3		ug/L		105	70 - 130	1	20
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	20.0		ug/L		80	42 - 162	0	20
1,2,4-Trimethylbenzene	25.0	25.6		ug/L		102	70 - 132	0	20
1,3,5-Trimethylbenzene	25.0	25.6		ug/L		102	70 - 130	1	20
Vinyl acetate	25.0	31.3		ug/L		125	43 - 163	1	20
Vinyl chloride	25.0	23.5		ug/L		94	54 - 135	1	20
m-Xylene & p-Xylene	25.0	25.9		ug/L		104	70 - 142	0	20
o-Xylene	25.0	24.9		ug/L		100	70 - 130	0	20
2,2-Dichloropropane	25.0	23.0		ug/L		92	70 - 140	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	99		72 - 130
Toluene-d8 (Surr)	96		70 - 130

Lab Sample ID: LCSD 720-174007/9

Matrix: Water

Analysis Batch: 174007

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	500	552		ug/L		110	62 - 120	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	103		67 - 130
1,2-Dichloroethane-d4 (Surr)	108		72 - 130
Toluene-d8 (Surr)	96		70 - 130

Lab Sample ID: MB 720-174075/4

Matrix: Solid

Analysis Batch: 174075

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg			01/14/15 08:34	1
Acetone	ND		50		ug/Kg			01/14/15 08:34	1
Benzene	ND		5.0		ug/Kg			01/14/15 08:34	1
Dichlorobromomethane	ND		5.0		ug/Kg			01/14/15 08:34	1
Bromobenzene	ND		5.0		ug/Kg			01/14/15 08:34	1
Chlorobromomethane	ND		20		ug/Kg			01/14/15 08:34	1
Bromoform	ND		5.0		ug/Kg			01/14/15 08:34	1
Bromomethane	ND		10		ug/Kg			01/14/15 08:34	1

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-174075/4

Matrix: Solid

Analysis Batch: 174075

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		50		ug/Kg			01/14/15 08:34	1
n-Butylbenzene	ND		5.0		ug/Kg			01/14/15 08:34	1
sec-Butylbenzene	ND		5.0		ug/Kg			01/14/15 08:34	1
tert-Butylbenzene	ND		5.0		ug/Kg			01/14/15 08:34	1
Carbon disulfide	ND		5.0		ug/Kg			01/14/15 08:34	1
Carbon tetrachloride	ND		5.0		ug/Kg			01/14/15 08:34	1
Chlorobenzene	ND		5.0		ug/Kg			01/14/15 08:34	1
Chloroethane	ND		10		ug/Kg			01/14/15 08:34	1
Chloroform	ND		5.0		ug/Kg			01/14/15 08:34	1
Chloromethane	ND		10		ug/Kg			01/14/15 08:34	1
2-Chlorotoluene	ND		5.0		ug/Kg			01/14/15 08:34	1
4-Chlorotoluene	ND		5.0		ug/Kg			01/14/15 08:34	1
Chlorodibromomethane	ND		5.0		ug/Kg			01/14/15 08:34	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg			01/14/15 08:34	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg			01/14/15 08:34	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg			01/14/15 08:34	1
1,3-Dichloropropane	ND		5.0		ug/Kg			01/14/15 08:34	1
1,1-Dichloropropene	ND		5.0		ug/Kg			01/14/15 08:34	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			01/14/15 08:34	1
Ethylene Dibromide	ND		5.0		ug/Kg			01/14/15 08:34	1
Dibromomethane	ND		10		ug/Kg			01/14/15 08:34	1
Dichlorodifluoromethane	ND		10		ug/Kg			01/14/15 08:34	1
1,1-Dichloroethane	ND		5.0		ug/Kg			01/14/15 08:34	1
1,2-Dichloroethane	ND		5.0		ug/Kg			01/14/15 08:34	1
1,1-Dichloroethene	ND		5.0		ug/Kg			01/14/15 08:34	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			01/14/15 08:34	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg			01/14/15 08:34	1
1,2-Dichloropropane	ND		5.0		ug/Kg			01/14/15 08:34	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg			01/14/15 08:34	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg			01/14/15 08:34	1
Ethylbenzene	ND		5.0		ug/Kg			01/14/15 08:34	1
Hexachlorobutadiene	ND		5.0		ug/Kg			01/14/15 08:34	1
2-Hexanone	ND		50		ug/Kg			01/14/15 08:34	1
Isopropylbenzene	ND		5.0		ug/Kg			01/14/15 08:34	1
4-Isopropyltoluene	ND		5.0		ug/Kg			01/14/15 08:34	1
Methylene Chloride	ND		10		ug/Kg			01/14/15 08:34	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg			01/14/15 08:34	1
Naphthalene	ND		10		ug/Kg			01/14/15 08:34	1
N-Propylbenzene	ND		5.0		ug/Kg			01/14/15 08:34	1
Styrene	ND		5.0		ug/Kg			01/14/15 08:34	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			01/14/15 08:34	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg			01/14/15 08:34	1
Tetrachloroethene	ND		5.0		ug/Kg			01/14/15 08:34	1
Toluene	ND		5.0		ug/Kg			01/14/15 08:34	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			01/14/15 08:34	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			01/14/15 08:34	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg			01/14/15 08:34	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg			01/14/15 08:34	1

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-174075/4

Matrix: Solid

Analysis Batch: 174075

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.0		ug/Kg			01/14/15 08:34	1
Trichlorofluoromethane	ND		5.0		ug/Kg			01/14/15 08:34	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg			01/14/15 08:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg			01/14/15 08:34	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg			01/14/15 08:34	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg			01/14/15 08:34	1
Vinyl acetate	ND		20		ug/Kg			01/14/15 08:34	1
Vinyl chloride	ND		5.0		ug/Kg			01/14/15 08:34	1
Xylenes, Total	ND		10		ug/Kg			01/14/15 08:34	1
2,2-Dichloropropane	ND		5.0		ug/Kg			01/14/15 08:34	1
Gasoline Range Organics (GRO)	ND		250		ug/Kg			01/14/15 08:34	1
-C5-C12									

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		45 - 131		01/14/15 08:34	1
1,2-Dichloroethane-d4 (Surr)	103		60 - 140		01/14/15 08:34	1
Toluene-d8 (Surr)	98		58 - 140		01/14/15 08:34	1

Lab Sample ID: LCS 720-174075/5

Matrix: Solid

Analysis Batch: 174075

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	59.9		ug/Kg		120	70 - 144
Acetone	250	296		ug/Kg		118	30 - 162
Benzene	50.0	55.7		ug/Kg		111	70 - 130
Dichlorobromomethane	50.0	59.5		ug/Kg		119	70 - 131
Bromobenzene	50.0	44.4		ug/Kg		89	70 - 130
Chlorobromomethane	50.0	55.3		ug/Kg		111	70 - 130
Bromoform	50.0	56.2		ug/Kg		112	59 - 158
Bromomethane	50.0	50.8		ug/Kg		102	59 - 132
2-Butanone (MEK)	250	264		ug/Kg		106	53 - 124
n-Butylbenzene	50.0	47.0		ug/Kg		94	70 - 142
sec-Butylbenzene	50.0	43.5		ug/Kg		87	70 - 136
tert-Butylbenzene	50.0	43.6		ug/Kg		87	70 - 130
Carbon disulfide	50.0	52.1		ug/Kg		104	60 - 140
Carbon tetrachloride	50.0	51.6		ug/Kg		103	70 - 138
Chlorobenzene	50.0	50.3		ug/Kg		101	70 - 130
Chloroethane	50.0	50.3		ug/Kg		101	65 - 130
Chloroform	50.0	56.0		ug/Kg		112	77 - 127
Chloromethane	50.0	65.1		ug/Kg		130	55 - 140
2-Chlorotoluene	50.0	46.3		ug/Kg		93	70 - 138
4-Chlorotoluene	50.0	47.1		ug/Kg		94	70 - 136
Chlorodibromomethane	50.0	61.0		ug/Kg		122	70 - 146
1,2-Dichlorobenzene	50.0	45.1		ug/Kg		90	70 - 130
1,3-Dichlorobenzene	50.0	45.1		ug/Kg		90	70 - 131
1,4-Dichlorobenzene	50.0	45.2		ug/Kg		90	70 - 130
1,3-Dichloropropane	50.0	57.9		ug/Kg		116	70 - 140

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-174075/5

Matrix: Solid

Analysis Batch: 174075

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloropropene	50.0	56.3		ug/Kg		113	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	44.9		ug/Kg		90	60 - 145
Ethylene Dibromide	50.0	56.8		ug/Kg		114	70 - 140
Dibromomethane	50.0	58.6		ug/Kg		117	70 - 139
Dichlorodifluoromethane	50.0	56.4		ug/Kg		113	37 - 158
1,1-Dichloroethane	50.0	59.9		ug/Kg		120	70 - 130
1,2-Dichloroethane	50.0	57.6		ug/Kg		115	70 - 130
1,1-Dichloroethene	50.0	48.2		ug/Kg		96	76 - 122
cis-1,2-Dichloroethene	50.0	60.0		ug/Kg		120	70 - 138
trans-1,2-Dichloroethene	50.0	54.5		ug/Kg		109	67 - 130
1,2-Dichloropropane	50.0	61.6		ug/Kg		123	73 - 127
cis-1,3-Dichloropropene	50.0	65.8		ug/Kg		132	68 - 147
trans-1,3-Dichloropropene	50.0	70.4	*	ug/Kg		141	70 - 136
Ethylbenzene	50.0	48.1		ug/Kg		96	80 - 137
Hexachlorobutadiene	50.0	37.4		ug/Kg		75	70 - 132
2-Hexanone	250	306		ug/Kg		122	44 - 133
Isopropylbenzene	50.0	46.6		ug/Kg		93	70 - 130
4-Isopropyltoluene	50.0	44.5		ug/Kg		89	70 - 133
Methylene Chloride	50.0	53.8		ug/Kg		108	70 - 134
4-Methyl-2-pentanone (MIBK)	250	325		ug/Kg		130	60 - 160
Naphthalene	50.0	46.7		ug/Kg		93	60 - 147
N-Propylbenzene	50.0	45.8		ug/Kg		92	70 - 130
Styrene	50.0	54.2		ug/Kg		108	70 - 130
1,1,1,2-Tetrachloroethane	50.0	52.0		ug/Kg		104	70 - 130
1,1,2,2-Tetrachloroethane	50.0	49.7		ug/Kg		99	70 - 146
Tetrachloroethene	50.0	47.1		ug/Kg		94	70 - 132
Toluene	50.0	51.4		ug/Kg		103	80 - 128
1,2,3-Trichlorobenzene	50.0	42.2		ug/Kg		84	60 - 140
1,2,4-Trichlorobenzene	50.0	45.4		ug/Kg		91	60 - 140
1,1,1-Trichloroethane	50.0	52.5		ug/Kg		105	70 - 130
1,1,2-Trichloroethane	50.0	58.7		ug/Kg		117	70 - 130
Trichloroethene	50.0	51.5		ug/Kg		103	70 - 133
Trichlorofluoromethane	50.0	56.2		ug/Kg		112	60 - 140
1,2,3-Trichloropropane	50.0	47.5		ug/Kg		95	70 - 146
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	43.2		ug/Kg		86	60 - 140
1,2,4-Trimethylbenzene	50.0	46.1		ug/Kg		92	70 - 130
1,3,5-Trimethylbenzene	50.0	46.1		ug/Kg		92	70 - 131
Vinyl acetate	50.0	69.5		ug/Kg		139	38 - 176
Vinyl chloride	50.0	52.3		ug/Kg		105	58 - 125
m-Xylene & p-Xylene	50.0	50.9		ug/Kg		102	70 - 146
o-Xylene	50.0	48.9		ug/Kg		98	70 - 140
2,2-Dichloropropane	50.0	51.0		ug/Kg		102	70 - 162

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	107		45 - 131
1,2-Dichloroethane-d4 (Surr)	102		60 - 140
Toluene-d8 (Surr)	100		58 - 140

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-174075/7

Matrix: Solid

Analysis Batch: 174075

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike	LCS	LCS					%Rec.
			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)			1000	1150		ug/Kg		115	61 - 128	
-C5-C12										
		LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene	109		45 - 131							
1,2-Dichloroethane-d4 (Surr)	107		60 - 140							
Toluene-d8 (Surr)	100		58 - 140							

Lab Sample ID: LCSD 720-174075/6

Matrix: Solid

Analysis Batch: 174075

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	59.2		ug/Kg		118	70 - 144	1	20
Acetone	250	292		ug/Kg		117	30 - 162	1	30
Benzene	50.0	55.2		ug/Kg		110	70 - 130	1	20
Dichlorobromomethane	50.0	59.0		ug/Kg		118	70 - 131	1	20
Bromobenzene	50.0	44.8		ug/Kg		90	70 - 130	1	20
Chlorobromomethane	50.0	54.4		ug/Kg		109	70 - 130	2	20
Bromoform	50.0	56.0		ug/Kg		112	59 - 158	0	20
Bromomethane	50.0	53.0		ug/Kg		106	59 - 132	4	20
2-Butanone (MEK)	250	264		ug/Kg		106	53 - 124	0	20
n-Butylbenzene	50.0	46.1		ug/Kg		92	70 - 142	2	20
sec-Butylbenzene	50.0	44.0		ug/Kg		88	70 - 136	1	20
tert-Butylbenzene	50.0	44.4		ug/Kg		89	70 - 130	2	20
Carbon disulfide	50.0	52.3		ug/Kg		105	60 - 140	0	20
Carbon tetrachloride	50.0	51.1		ug/Kg		102	70 - 138	1	20
Chlorobenzene	50.0	50.1		ug/Kg		100	70 - 130	0	20
Chloroethane	50.0	52.2		ug/Kg		104	65 - 130	4	20
Chloroform	50.0	55.9		ug/Kg		112	77 - 127	0	20
Chloromethane	50.0	67.3		ug/Kg		135	55 - 140	3	20
2-Chlorotoluene	50.0	47.2		ug/Kg		94	70 - 138	2	20
4-Chlorotoluene	50.0	48.0		ug/Kg		96	70 - 136	2	20
Chlorodibromomethane	50.0	60.8		ug/Kg		122	70 - 146	0	20
1,2-Dichlorobenzene	50.0	45.2		ug/Kg		90	70 - 130	0	20
1,3-Dichlorobenzene	50.0	45.2		ug/Kg		90	70 - 131	0	20
1,4-Dichlorobenzene	50.0	45.5		ug/Kg		91	70 - 130	0	20
1,3-Dichloropropane	50.0	57.4		ug/Kg		115	70 - 140	1	20
1,1-Dichloropropene	50.0	55.8		ug/Kg		112	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	50.0	43.2		ug/Kg		86	60 - 145	4	20
Ethylene Dibromide	50.0	56.6		ug/Kg		113	70 - 140	0	20
Dibromomethane	50.0	58.6		ug/Kg		117	70 - 139	0	20
Dichlorodifluoromethane	50.0	55.5		ug/Kg		111	37 - 158	2	20
1,1-Dichloroethane	50.0	59.0		ug/Kg		118	70 - 130	1	20
1,2-Dichloroethane	50.0	57.3		ug/Kg		115	70 - 130	0	20
1,1-Dichloroethene	50.0	48.7		ug/Kg		97	76 - 122	1	20
cis-1,2-Dichloroethene	50.0	59.0		ug/Kg		118	70 - 138	2	20
trans-1,2-Dichloroethene	50.0	54.1		ug/Kg		108	67 - 130	1	20

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-174075/6

Matrix: Solid

Analysis Batch: 174075

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloropropane	50.0	60.9		ug/Kg		122	73 - 127	1	20
cis-1,3-Dichloropropene	50.0	65.6		ug/Kg		131	68 - 147	0	20
trans-1,3-Dichloropropene	50.0	69.5	*	ug/Kg		139	70 - 136	1	20
Ethylbenzene	50.0	47.8		ug/Kg		96	80 - 137	1	20
Hexachlorobutadiene	50.0	36.5		ug/Kg		73	70 - 132	2	20
2-Hexanone	250	303		ug/Kg		121	44 - 133	1	20
Isopropylbenzene	50.0	47.3		ug/Kg		95	70 - 130	1	20
4-Isopropyltoluene	50.0	44.4		ug/Kg		89	70 - 133	0	20
Methylene Chloride	50.0	53.5		ug/Kg		107	70 - 134	1	20
4-Methyl-2-pentanone (MIBK)	250	321		ug/Kg		129	60 - 160	1	20
Naphthalene	50.0	45.3		ug/Kg		91	60 - 147	3	20
N-Propylbenzene	50.0	46.4		ug/Kg		93	70 - 130	1	20
Styrene	50.0	55.2		ug/Kg		110	70 - 130	2	20
1,1,1,2-Tetrachloroethane	50.0	52.4		ug/Kg		105	70 - 130	1	20
1,1,2,2-Tetrachloroethane	50.0	50.6		ug/Kg		101	70 - 146	2	20
Tetrachloroethene	50.0	46.6		ug/Kg		93	70 - 132	1	20
Toluene	50.0	51.0		ug/Kg		102	80 - 128	1	20
1,2,3-Trichlorobenzene	50.0	41.3		ug/Kg		83	60 - 140	2	20
1,2,4-Trichlorobenzene	50.0	44.0		ug/Kg		88	60 - 140	3	20
1,1,1-Trichloroethane	50.0	52.4		ug/Kg		105	70 - 130	0	20
1,1,2-Trichloroethane	50.0	57.9		ug/Kg		116	70 - 130	1	20
Trichloroethene	50.0	51.0		ug/Kg		102	70 - 133	1	20
Trichlorofluoromethane	50.0	55.7		ug/Kg		111	60 - 140	1	20
1,2,3-Trichloropropane	50.0	48.2		ug/Kg		96	70 - 146	2	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	44.1		ug/Kg		88	60 - 140	2	20
1,2,4-Trimethylbenzene	50.0	46.7		ug/Kg		93	70 - 130	1	20
1,3,5-Trimethylbenzene	50.0	46.8		ug/Kg		94	70 - 131	2	20
Vinyl acetate	50.0	68.8		ug/Kg		138	38 - 176	1	20
Vinyl chloride	50.0	52.5		ug/Kg		105	58 - 125	0	20
m-Xylene & p-Xylene	50.0	50.7		ug/Kg		101	70 - 146	0	20
o-Xylene	50.0	49.5		ug/Kg		99	70 - 140	1	20
2,2-Dichloropropane	50.0	49.2		ug/Kg		98	70 - 162	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	107		45 - 131
1,2-Dichloroethane-d4 (Surr)	102		60 - 140
Toluene-d8 (Surr)	100		58 - 140

Lab Sample ID: LCSD 720-174075/8

Matrix: Solid

Analysis Batch: 174075

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)	1000	1160		ug/Kg		116	61 - 128	1	20
-C5-C12									

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-174075/8

Matrix: Solid

Analysis Batch: 174075

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	106		45 - 131
1,2-Dichloroethane-d4 (Surr)	108		60 - 140
Toluene-d8 (Surr)	100		58 - 140

Method: 8270C SIM - PAHs by GCMS (SIM)

Lab Sample ID: MB 720-174095/1-A

Matrix: Solid

Analysis Batch: 174089

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 174095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 17:38	1
Acenaphthylene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 17:38	1
Anthracene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 17:38	1
Benzo[a]anthracene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 17:38	1
Benzo[a]pyrene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 17:38	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 17:38	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 17:38	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 17:38	1
Chrysene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 17:38	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 17:38	1
Fluoranthene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 17:38	1
Fluorene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 17:38	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 17:38	1
Naphthalene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 17:38	1
Phenanthrene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 17:38	1
Pyrene	ND		5.0		ug/Kg		01/14/15 09:32	01/14/15 17:38	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	71		33 - 120				01/14/15 09:32	01/14/15 17:38	1
Terphenyl-d14	79		35 - 146				01/14/15 09:32	01/14/15 17:38	1

Lab Sample ID: LCS 720-174095/2-A

Matrix: Solid

Analysis Batch: 174089

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	328	226		ug/Kg		69	49 - 120
Acenaphthylene	328	240		ug/Kg		73	52 - 120
Anthracene	328	247		ug/Kg		75	52 - 120
Benzo[a]anthracene	328	272		ug/Kg		83	52 - 120
Benzo[a]pyrene	328	254		ug/Kg		78	54 - 120
Benzo[b]fluoranthene	328	257		ug/Kg		78	51 - 120
Benzo[g,h,i]perylene	328	251		ug/Kg		76	48 - 120
Benzo[k]fluoranthene	328	244		ug/Kg		74	56 - 120
Chrysene	328	229		ug/Kg		70	40 - 120
Dibenz(a,h)anthracene	328	251		ug/Kg		77	50 - 120

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 8270C SIM - PAHs by GCMS (SIM) (Continued)

Lab Sample ID: LCS 720-174095/2-A

Matrix: Solid

Analysis Batch: 174089

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174095

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoranthene	328	254		ug/Kg		77	57 - 120
Fluorene	328	242		ug/Kg		74	52 - 120
Indeno[1,2,3-cd]pyrene	328	254		ug/Kg		77	48 - 120
Naphthalene	328	232		ug/Kg		71	46 - 120
Phenanthrene	328	247		ug/Kg		75	48 - 120
Pyrene	328	273		ug/Kg		83	53 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	71		33 - 120
Terphenyl-d14	80		35 - 146

Lab Sample ID: 720-62315-4 MS

Matrix: Solid

Analysis Batch: 174089

Client Sample ID: B-10-1

Prep Type: Total/NA

Prep Batch: 174095

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		331	226		ug/Kg		67	33 - 120
Acenaphthylene	ND		331	250		ug/Kg		75	28 - 120
Anthracene	ND		331	247		ug/Kg		72	36 - 120
Benzo[a]anthracene	22		331	281		ug/Kg		78	29 - 120
Benzo[a]pyrene	15		331	249		ug/Kg		71	24 - 120
Benzo[b]fluoranthene	16		331	245		ug/Kg		69	17 - 132
Benzo[g,h,i]perylene	ND		331	188		ug/Kg		55	21 - 120
Benzo[k]fluoranthene	ND		331	245		ug/Kg		72	35 - 120
Chrysene	22		331	234		ug/Kg		64	29 - 120
Dibenz(a,h)anthracene	ND		331	209		ug/Kg		63	36 - 120
Fluoranthene	25		331	267		ug/Kg		73	24 - 120
Fluorene	ND		331	243		ug/Kg		73	35 - 120
Indeno[1,2,3-cd]pyrene	ND		331	204		ug/Kg		60	20 - 126
Naphthalene	ND		331	235		ug/Kg		70	32 - 120
Phenanthrene	27		331	267		ug/Kg		73	28 - 120
Pyrene	36		331	309		ug/Kg		82	24 - 123

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	77		33 - 120
Terphenyl-d14	80		35 - 146

Lab Sample ID: 720-62315-4 MSD

Matrix: Solid

Analysis Batch: 174089

Client Sample ID: B-10-1

Prep Type: Total/NA

Prep Batch: 174095

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Acenaphthene	ND		331	230		ug/Kg		68	33 - 120	2	20
Acenaphthylene	ND		331	247		ug/Kg		75	28 - 120	1	20
Anthracene	ND		331	257		ug/Kg		75	36 - 120	4	20
Benzo[a]anthracene	22		331	298		ug/Kg		83	29 - 120	6	20
Benzo[a]pyrene	15		331	254		ug/Kg		72	24 - 120	2	20
Benzo[b]fluoranthene	16		331	249		ug/Kg		70	17 - 132	2	20

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 8270C SIM - PAHs by GCMS (SIM) (Continued)

Lab Sample ID: 720-62315-4 MSD

Matrix: Solid

Analysis Batch: 174089

Client Sample ID: B-10-1

Prep Type: Total/NA

Prep Batch: 174095

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[g,h,i]perylene	ND		331	187		ug/Kg		54	21 - 120	1	20
Benzo[k]fluoranthene	ND		331	249		ug/Kg		73	35 - 120	2	20
Chrysene	22		331	250		ug/Kg		69	29 - 120	7	20
Dibenz[a,h]anthracene	ND		331	212		ug/Kg		64	36 - 120	1	20
Fluoranthene	25		331	282		ug/Kg		78	24 - 120	6	20
Fluorene	ND		331	243		ug/Kg		73	35 - 120	0	20
Indeno[1,2,3-cd]pyrene	ND		331	208		ug/Kg		61	20 - 126	2	20
Naphthalene	ND		331	233		ug/Kg		69	32 - 120	1	20
Phenanthrene	27		331	284		ug/Kg		78	28 - 120	6	20
Pyrene	36		331	338		ug/Kg		91	24 - 123	9	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	75		33 - 120
Terphenyl-d14	80		35 - 146

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-174008/1-A

Matrix: Solid

Analysis Batch: 174012

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 174008

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		01/13/15 07:15	01/13/15 13:28	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		01/13/15 07:15	01/13/15 13:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	106		40 - 130	01/13/15 07:15	01/13/15 13:28	1

Lab Sample ID: LCS 720-174008/2-A

Matrix: Solid

Analysis Batch: 174012

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174008

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	82.6	82.4		mg/Kg		100	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
p-Terphenyl	113		40 - 130

Lab Sample ID: 720-62315-1 MS

Matrix: Solid

Analysis Batch: 174012

Client Sample ID: B-9-1

Prep Type: Total/NA

Prep Batch: 174008

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	41		83.3	47.0	F1	mg/Kg		8	50 - 150

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 720-62315-1 MS

Matrix: Solid

Analysis Batch: 174012

Client Sample ID: B-9-1

Prep Type: Total/NA

Prep Batch: 174008

Surrogate	MS %Recovery	MS Qualifier	Limits
p-Terphenyl	53		40 - 130

Lab Sample ID: 720-62315-1 MSD

Matrix: Solid

Analysis Batch: 174012

Client Sample ID: B-9-1

Prep Type: Total/NA

Prep Batch: 174008

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	41		82.6	86.1	F2	mg/Kg		55	50 - 150	59	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
p-Terphenyl	90		40 - 130								

Lab Sample ID: MB 720-174172/1-A

Matrix: Water

Analysis Batch: 174217

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 174172

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		01/15/15 10:28	01/16/15 11:47	1
Motor Oil Range Organics [C24-C36]	ND		99		ug/L		01/15/15 10:28	01/16/15 11:47	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
p-Terphenyl	89		23 - 156						
							Prepared	Analyzed	Dil Fac
							01/15/15 10:28	01/16/15 11:47	1

Lab Sample ID: LCS 720-174172/2-A

Matrix: Water

Analysis Batch: 174217

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174172

			Spike	LCS	LCS	%Rec.					
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Diesel Range Organics			2500	1710		ug/L	-	68	34 - 115		
[C10-C28]											
			LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits								
p-Terphenyl	100		23 - 156								

Lab Sample ID: LCSD 720-174172/3-A

Matrix: Water

Analysis Batch: 174217

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 174172

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	2500	1440		ug/L		58	34 - 115	17	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
p-Terphenyl	89		23 - 156						

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 720-174013/1-A

Matrix: Solid

Analysis Batch: 174073

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 174013

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9		ug/Kg		01/13/15 07:17	01/14/15 02:58	1
Dieldrin	ND		1.9		ug/Kg		01/13/15 07:17	01/14/15 02:58	1
Endrin aldehyde	ND		1.9		ug/Kg		01/13/15 07:17	01/14/15 02:58	1
Endrin	ND		1.9		ug/Kg		01/13/15 07:17	01/14/15 02:58	1
Endrin ketone	ND		1.9		ug/Kg		01/13/15 07:17	01/14/15 02:58	1
Heptachlor	ND		1.9		ug/Kg		01/13/15 07:17	01/14/15 02:58	1
Heptachlor epoxide	ND		1.9		ug/Kg		01/13/15 07:17	01/14/15 02:58	1
4,4'-DDT	ND		1.9		ug/Kg		01/13/15 07:17	01/14/15 02:58	1
4,4'-DDE	ND		1.9		ug/Kg		01/13/15 07:17	01/14/15 02:58	1
4,4'-DDD	ND		1.9		ug/Kg		01/13/15 07:17	01/14/15 02:58	1
Endosulfan I	ND		1.9		ug/Kg		01/13/15 07:17	01/14/15 02:58	1
Endosulfan II	ND		1.9		ug/Kg		01/13/15 07:17	01/14/15 02:58	1
alpha-BHC	ND		1.9		ug/Kg		01/13/15 07:17	01/14/15 02:58	1
beta-BHC	ND		1.9		ug/Kg		01/13/15 07:17	01/14/15 02:58	1
gamma-BHC (Lindane)	ND		1.9		ug/Kg		01/13/15 07:17	01/14/15 02:58	1
delta-BHC	ND		1.9		ug/Kg		01/13/15 07:17	01/14/15 02:58	1
Endosulfan sulfate	ND		1.9		ug/Kg		01/13/15 07:17	01/14/15 02:58	1
Methoxychlor	ND		1.9		ug/Kg		01/13/15 07:17	01/14/15 02:58	1
Toxaphene	ND		39		ug/Kg		01/13/15 07:17	01/14/15 02:58	1
Chlordane (technical)	ND		39		ug/Kg		01/13/15 07:17	01/14/15 02:58	1
alpha-Chlordane	ND		1.9		ug/Kg		01/13/15 07:17	01/14/15 02:58	1
gamma-Chlordane	ND		1.9		ug/Kg		01/13/15 07:17	01/14/15 02:58	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	83		57 - 122				01/13/15 07:17	01/14/15 02:58	1
DCB Decachlorobiphenyl	103		21 - 136				01/13/15 07:17	01/14/15 02:58	1

Lab Sample ID: LCS 720-174013/2-A

Matrix: Solid

Analysis Batch: 174073

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174013

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	16.5	10.8		ug/Kg		65	65 - 120
Dieldrin	16.5	12.2		ug/Kg		74	72 - 120
Endrin aldehyde	16.5	12.3		ug/Kg		74	68 - 120
Endrin	16.5	12.6		ug/Kg		76	68 - 120
Endrin ketone	16.5	12.8		ug/Kg		78	67 - 120
Heptachlor	16.5	11.7		ug/Kg		71	69 - 120
Heptachlor epoxide	16.5	12.0		ug/Kg		73	68 - 120
4,4'-DDT	16.5	12.8		ug/Kg		77	63 - 127
4,4'-DDE	16.5	12.4		ug/Kg		75	70 - 120
4,4'-DDD	16.5	12.9		ug/Kg		78	69 - 120
Endosulfan I	16.5	12.0		ug/Kg		73	62 - 120
Endosulfan II	16.5	12.4		ug/Kg		75	65 - 120
alpha-BHC	16.5	11.7		ug/Kg		71	62 - 120
beta-BHC	16.5	13.3		ug/Kg		80	74 - 124
gamma-BHC (Lindane)	16.5	12.1		ug/Kg		73	72 - 120
delta-BHC	16.5	11.6		ug/Kg		70	43 - 125

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 720-174013/2-A

Matrix: Solid

Analysis Batch: 174073

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174013

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endosulfan sulfate	16.5	12.1		ug/Kg		73	67 - 120
Methoxychlor	16.5	14.0		ug/Kg		84	71 - 132
alpha-Chlordane	16.5	12.8		ug/Kg		78	70 - 120
gamma-Chlordane	16.5	12.8		ug/Kg		77	68 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	76		57 - 122
DCB Decachlorobiphenyl	116		21 - 136

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-174040/1-A

Matrix: Solid

Analysis Batch: 174072

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 174040

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		01/13/15 12:29	01/13/15 18:41	1
Barium	ND		0.50		mg/Kg		01/13/15 12:29	01/13/15 18:41	1
Beryllium	ND		0.10		mg/Kg		01/13/15 12:29	01/13/15 18:41	1
Cadmium	ND		0.13		mg/Kg		01/13/15 12:29	01/13/15 18:41	1
Chromium	ND		0.50		mg/Kg		01/13/15 12:29	01/13/15 18:41	1
Cobalt	ND		0.20		mg/Kg		01/13/15 12:29	01/13/15 18:41	1
Copper	ND		1.5		mg/Kg		01/13/15 12:29	01/13/15 18:41	1
Lead	ND		0.50		mg/Kg		01/13/15 12:29	01/13/15 18:41	1
Molybdenum	ND		0.50		mg/Kg		01/13/15 12:29	01/13/15 18:41	1
Nickel	ND		0.50		mg/Kg		01/13/15 12:29	01/13/15 18:41	1
Silver	ND		0.25		mg/Kg		01/13/15 12:29	01/13/15 18:41	1
Thallium	ND		0.50		mg/Kg		01/13/15 12:29	01/13/15 18:41	1
Vanadium	ND		0.50		mg/Kg		01/13/15 12:29	01/13/15 18:41	1
Zinc	ND		1.5		mg/Kg		01/13/15 12:29	01/13/15 18:41	1

Lab Sample ID: MB 720-174040/1-A

Matrix: Solid

Analysis Batch: 174081

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 174040

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0		mg/Kg		01/13/15 12:29	01/13/15 21:11	1
Selenium	ND		1.0		mg/Kg		01/13/15 12:29	01/13/15 21:11	1

Lab Sample ID: LCS 720-174040/2-A

Matrix: Solid

Analysis Batch: 174072

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174040

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	44.0		mg/Kg		88	80 - 120
Barium	50.0	48.7		mg/Kg		97	80 - 120
Beryllium	50.0	45.9		mg/Kg		92	80 - 120
Cadmium	50.0	46.1		mg/Kg		92	80 - 120

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 720-174040/2-A

Matrix: Solid

Analysis Batch: 174072

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174040

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	50.0	47.3		mg/Kg		95	80 - 120
Cobalt	50.0	44.9		mg/Kg		90	80 - 120
Copper	50.0	45.9		mg/Kg		92	80 - 120
Lead	50.0	45.6		mg/Kg		91	80 - 120
Molybdenum	50.0	45.2		mg/Kg		90	80 - 120
Nickel	50.0	45.6		mg/Kg		91	80 - 120
Silver	25.0	23.6		mg/Kg		94	80 - 120
Thallium	50.0	45.5		mg/Kg		91	80 - 120
Vanadium	50.0	45.6		mg/Kg		91	80 - 120
Zinc	50.0	45.0		mg/Kg		90	80 - 120

Lab Sample ID: LCS 720-174040/2-A

Matrix: Solid

Analysis Batch: 174081

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174040

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	50.0	49.8		mg/Kg		100	80 - 120
Selenium	50.0	49.0		mg/Kg		98	80 - 120

Lab Sample ID: LCSD 720-174040/3-A

Matrix: Solid

Analysis Batch: 174072

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 174040

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	50.0	43.9		mg/Kg		88	80 - 120	0	20
Barium	50.0	47.8		mg/Kg		96	80 - 120	2	20
Beryllium	50.0	45.4		mg/Kg		91	80 - 120	1	20
Cadmium	50.0	45.6		mg/Kg		91	80 - 120	1	20
Chromium	50.0	46.5		mg/Kg		93	80 - 120	2	20
Cobalt	50.0	44.7		mg/Kg		89	80 - 120	0	20
Copper	50.0	45.4		mg/Kg		91	80 - 120	1	20
Lead	50.0	45.2		mg/Kg		90	80 - 120	1	20
Molybdenum	50.0	45.1		mg/Kg		90	80 - 120	0	20
Nickel	50.0	45.4		mg/Kg		91	80 - 120	1	20
Silver	25.0	23.2		mg/Kg		93	80 - 120	1	20
Thallium	50.0	45.3		mg/Kg		91	80 - 120	0	20
Vanadium	50.0	45.0		mg/Kg		90	80 - 120	1	20
Zinc	50.0	44.7		mg/Kg		89	80 - 120	1	20

Lab Sample ID: LCSD 720-174040/3-A

Matrix: Solid

Analysis Batch: 174081

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 174040

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Arsenic	50.0	48.8		mg/Kg		98	80 - 120	2	20
Selenium	50.0	48.1		mg/Kg		96	80 - 120	2	20

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 720-174040/13-A

Matrix: Solid

Analysis Batch: 174072

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174040

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	74.6	33.4		mg/Kg		45	11 - 101
Barium	579	499		mg/Kg		86	61 - 117
Beryllium	155	129		mg/Kg		83	56 - 102
Cadmium	201	169		mg/Kg		84	67 - 118
Chromium	106	87.7		mg/Kg		83	67 - 121
Cobalt	247	204		mg/Kg		83	64 - 133
Copper	130	109		mg/Kg		84	68 - 126
Lead	302	243		mg/Kg		80	62 - 113
Molybdenum	165	134		mg/Kg		81	62 - 128
Nickel	305	251		mg/Kg		82	65 - 117
Silver	33.5	28.3		mg/Kg		84	51 - 130
Thallium	191	156		mg/Kg		81	64 - 124
Vanadium	214	177		mg/Kg		83	67 - 123
Zinc	388	317		mg/Kg		82	62 - 110

Lab Sample ID: LCSSRM 720-174040/13-A

Matrix: Solid

Analysis Batch: 174081

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174040

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	45.5	41.7		mg/Kg		92	69 - 119
Selenium	133	122		mg/Kg		92	63 - 126

Lab Sample ID: 720-62315-1 MS

Matrix: Solid

Analysis Batch: 174072

Client Sample ID: B-9-1

Prep Type: Total/NA

Prep Batch: 174040

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND		32.3	7.34	F1	mg/Kg		23	75 - 125
Barium	150		32.3	173	4	mg/Kg		75	75 - 125
Beryllium	ND		32.3	29.6		mg/Kg		91	75 - 125
Cadmium	ND		32.3	28.3		mg/Kg		87	75 - 125
Chromium	34		32.3	63.3		mg/Kg		91	75 - 125
Cobalt	7.5		32.3	34.7		mg/Kg		84	75 - 125
Copper	23		32.3	49.8		mg/Kg		85	75 - 125
Lead	10		32.3	36.8		mg/Kg		82	75 - 125
Molybdenum	ND		32.3	25.0		mg/Kg		75	75 - 125
Nickel	32		32.3	59.3		mg/Kg		85	75 - 125
Silver	ND		16.1	15.5		mg/Kg		96	75 - 125
Thallium	ND		32.3	26.8		mg/Kg		83	75 - 125
Vanadium	31		32.3	60.3		mg/Kg		91	75 - 125
Zinc	53		32.3	78.3		mg/Kg		77	75 - 125

Lab Sample ID: 720-62315-1 MS

Matrix: Solid

Analysis Batch: 174081

Client Sample ID: B-9-1

Prep Type: Total/NA

Prep Batch: 174040

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	4.2		32.3	36.0		mg/Kg		98	75 - 125

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 720-62315-1 MS

Matrix: Solid

Analysis Batch: 174081

Client Sample ID: B-9-1

Prep Type: Total/NA

Prep Batch: 174040

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	ND		32.3	29.7		mg/Kg		92	75 - 125

Lab Sample ID: 720-62315-1 MSD

Matrix: Solid

Analysis Batch: 174072

Client Sample ID: B-9-1

Prep Type: Total/NA

Prep Batch: 174040

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	ND		37.9	9.60	F1 F2	mg/Kg		25	75 - 125	27	20
Barium	150		37.9	190		mg/Kg		109	75 - 125	9	20
Beryllium	ND		37.9	36.0		mg/Kg		94	75 - 125	19	20
Cadmium	ND		37.9	34.8	F2	mg/Kg		91	75 - 125	21	20
Chromium	34		37.9	69.7		mg/Kg		94	75 - 125	10	20
Cobalt	7.5		37.9	40.5		mg/Kg		87	75 - 125	15	20
Copper	23		37.9	57.2		mg/Kg		92	75 - 125	14	20
Lead	10		37.9	44.1		mg/Kg		89	75 - 125	18	20
Molybdenum	ND		37.9	31.4	F2	mg/Kg		81	75 - 125	23	20
Nickel	32		37.9	66.3		mg/Kg		90	75 - 125	11	20
Silver	ND		18.9	18.7		mg/Kg		98	75 - 125	18	20
Thallium	ND		37.9	33.1	F2	mg/Kg		87	75 - 125	21	20
Vanadium	31		37.9	67.1		mg/Kg		95	75 - 125	11	20
Zinc	53		37.9	87.0		mg/Kg		88	75 - 125	10	20

Lab Sample ID: 720-62315-1 MSD

Matrix: Solid

Analysis Batch: 174081

Client Sample ID: B-9-1

Prep Type: Total/NA

Prep Batch: 174040

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Arsenic	4.2		37.9	43.5		mg/Kg		104	75 - 125	19	20
Selenium	ND		37.9	36.3		mg/Kg		96	75 - 125	20	20

Lab Sample ID: MB 720-174116/1-A

Matrix: Water

Analysis Batch: 174135

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 174116

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		01/14/15 13:55	01/14/15 15:16	1

Lab Sample ID: LCS 720-174116/2-A

Matrix: Water

Analysis Batch: 174135

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 174116

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	0.850		mg/L		85	80 - 120

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 720-174116/3-A

Matrix: Water

Analysis Batch: 174135

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 174116

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	1.00	0.839		mg/L		84	80 - 120	1	20

Lab Sample ID: MB 720-174036/1-C

Matrix: Water

Analysis Batch: 174135

Client Sample ID: Method Blank

Prep Type: Dissolved

Prep Batch: 174116

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		01/14/15 13:55	01/14/15 16:32	1

Lab Sample ID: MB 720-174114/1-B

Matrix: Water

Analysis Batch: 174135

Client Sample ID: Method Blank

Prep Type: Dissolved

Prep Batch: 174116

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		01/14/15 13:55	01/14/15 15:20	1

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-173901/1-A

Matrix: Solid

Analysis Batch: 174069

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 173901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		01/09/15 19:52	01/13/15 18:54	1

Lab Sample ID: LCS 720-173901/2-A

Matrix: Solid

Analysis Batch: 174069

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 173901

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.833	0.875		mg/Kg		105	80 - 120		

Lab Sample ID: LCSD 720-173901/3-A

Matrix: Solid

Analysis Batch: 174069

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 173901

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.833	0.875		mg/Kg		105	80 - 120	0	20

TestAmerica Pleasanton

QC Association Summary

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

GC/MS VOA

Analysis Batch: 174005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62315-2	B-9-6	Total/NA	Solid	8260B/CA_LUFT MS	174048
720-62315-7	B-11-6	Total/NA	Solid	8260B/CA_LUFT MS	174048
LCS 720-174005/6	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-174005/8	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-174005/7	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-174005/9	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-174005/5	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Analysis Batch: 174007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62315-3	B-9	Total/NA	Water	8260B/CA_LUFT MS	
720-62315-8	B-11	Total/NA	Water	8260B/CA_LUFT MS	
720-62315-9	TRIP BLANK	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-174007/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-174007/8	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-174007/7	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-174007/9	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-174007/5	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Prep Batch: 174048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62315-2	B-9-6	Total/NA	Solid	5035	
720-62315-7	B-11-6	Total/NA	Solid	5035	

Analysis Batch: 174075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62315-1	B-9-1	Total/NA	Solid	8260B/CA_LUFT MS	174108
720-62315-6	B-11-1	Total/NA	Solid	8260B/CA_LUFT MS	174108
LCS 720-174075/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-174075/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-174075/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-174075/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-174075/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

TestAmerica Pleasanton

QC Association Summary

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

GC/MS VOA (Continued)

Prep Batch: 174108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62315-1	B-9-1	Total/NA	Solid	5035	
720-62315-6	B-11-1	Total/NA	Solid	5035	

GC/MS Semi VOA

Analysis Batch: 174089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62315-4	B-10-1	Total/NA	Solid	8270C SIM	174095
720-62315-4 MS	B-10-1	Total/NA	Solid	8270C SIM	174095
720-62315-4 MSD	B-10-1	Total/NA	Solid	8270C SIM	174095
720-62315-5	B-10-6	Total/NA	Solid	8270C SIM	174095
LCS 720-174095/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	174095
MB 720-174095/1-A	Method Blank	Total/NA	Solid	8270C SIM	174095

Prep Batch: 174095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62315-4	B-10-1	Total/NA	Solid	3546	
720-62315-4 MS	B-10-1	Total/NA	Solid	3546	
720-62315-4 MSD	B-10-1	Total/NA	Solid	3546	
720-62315-5	B-10-6	Total/NA	Solid	3546	
LCS 720-174095/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 720-174095/1-A	Method Blank	Total/NA	Solid	3546	

GC Semi VOA

Prep Batch: 174008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62315-1	B-9-1	Total/NA	Solid	3546	
720-62315-1 MS	B-9-1	Total/NA	Solid	3546	
720-62315-1 MSD	B-9-1	Total/NA	Solid	3546	
720-62315-2	B-9-6	Total/NA	Solid	3546	
720-62315-4	B-10-1	Total/NA	Solid	3546	
720-62315-5	B-10-6	Total/NA	Solid	3546	
720-62315-6	B-11-1	Total/NA	Solid	3546	
720-62315-7	B-11-6	Total/NA	Solid	3546	
LCS 720-174008/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 720-174008/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 174012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62315-1	B-9-1	Total/NA	Solid	8015B	174008
720-62315-1 MS	B-9-1	Total/NA	Solid	8015B	174008
720-62315-1 MSD	B-9-1	Total/NA	Solid	8015B	174008
LCS 720-174008/2-A	Lab Control Sample	Total/NA	Solid	8015B	174008
MB 720-174008/1-A	Method Blank	Total/NA	Solid	8015B	174008

Prep Batch: 174013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62315-4	B-10-1	Total/NA	Solid	3546	
720-62315-5	B-10-6	Total/NA	Solid	3546	

TestAmerica Pleasanton

QC Association Summary

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

GC Semi VOA (Continued)

Prep Batch: 174013 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-174013/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 720-174013/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 174034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62315-2	B-9-6	Total/NA	Solid	8015B	174008
720-62315-4	B-10-1	Total/NA	Solid	8015B	174008
720-62315-5	B-10-6	Total/NA	Solid	8015B	174008
720-62315-6	B-11-1	Total/NA	Solid	8015B	174008
720-62315-7	B-11-6	Total/NA	Solid	8015B	174008

Analysis Batch: 174073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-174013/2-A	Lab Control Sample	Total/NA	Solid	8081A	174013
MB 720-174013/1-A	Method Blank	Total/NA	Solid	8081A	174013

Analysis Batch: 174146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62315-4	B-10-1	Total/NA	Solid	8081A	174013
720-62315-5	B-10-6	Total/NA	Solid	8081A	174013

Prep Batch: 174172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62315-3	B-9	Total/NA	Water	3510C	
720-62315-8	B-11	Total/NA	Water	3510C	
LCS 720-174172/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 720-174172/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 720-174172/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 174217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62315-3	B-9	Total/NA	Water	8015B	174172
720-62315-8	B-11	Total/NA	Water	8015B	174172
LCS 720-174172/2-A	Lab Control Sample	Total/NA	Water	8015B	174172
LCSD 720-174172/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	174172
MB 720-174172/1-A	Method Blank	Total/NA	Water	8015B	174172

Metals

Prep Batch: 173901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62315-1	B-9-1	Total/NA	Solid	7471A	
720-62315-2	B-9-6	Total/NA	Solid	7471A	
720-62315-4	B-10-1	Total/NA	Solid	7471A	
720-62315-5	B-10-6	Total/NA	Solid	7471A	
720-62315-6	B-11-1	Total/NA	Solid	7471A	
720-62315-7	B-11-6	Total/NA	Solid	7471A	
LCS 720-173901/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-173901/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-173901/1-A	Method Blank	Total/NA	Solid	7471A	

TestAmerica Pleasanton

QC Association Summary

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Metals (Continued)

Filtration Batch: 174036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62315-3	B-9	Dissolved	Water	FILTRATION	
720-62315-8	B-11	Dissolved	Water	FILTRATION	
MB 720-174036/1-C	Method Blank	Dissolved	Water	FILTRATION	

Prep Batch: 174040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62315-1	B-9-1	Total/NA	Solid	3050B	
720-62315-1 MS	B-9-1	Total/NA	Solid	3050B	
720-62315-1 MSD	B-9-1	Total/NA	Solid	3050B	
720-62315-2	B-9-6	Total/NA	Solid	3050B	
720-62315-4	B-10-1	Total/NA	Solid	3050B	
720-62315-5	B-10-6	Total/NA	Solid	3050B	
720-62315-6	B-11-1	Total/NA	Solid	3050B	
720-62315-7	B-11-6	Total/NA	Solid	3050B	
LCS 720-174040/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-174040/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 720-174040/13-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 720-174040/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 174069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62315-1	B-9-1	Total/NA	Solid	7471A	173901
720-62315-2	B-9-6	Total/NA	Solid	7471A	173901
720-62315-4	B-10-1	Total/NA	Solid	7471A	173901
720-62315-5	B-10-6	Total/NA	Solid	7471A	173901
720-62315-6	B-11-1	Total/NA	Solid	7471A	173901
720-62315-7	B-11-6	Total/NA	Solid	7471A	173901
LCS 720-173901/2-A	Lab Control Sample	Total/NA	Solid	7471A	173901
LCSD 720-173901/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	173901
MB 720-173901/1-A	Method Blank	Total/NA	Solid	7471A	173901

Analysis Batch: 174072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62315-1 MS	B-9-1	Total/NA	Solid	6010B	174040
720-62315-1 MSD	B-9-1	Total/NA	Solid	6010B	174040
720-62315-7	B-11-6	Total/NA	Solid	6010B	174040
LCS 720-174040/2-A	Lab Control Sample	Total/NA	Solid	6010B	174040
LCSD 720-174040/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	174040
LCSSRM 720-174040/13-A	Lab Control Sample	Total/NA	Solid	6010B	174040
MB 720-174040/1-A	Method Blank	Total/NA	Solid	6010B	174040

Analysis Batch: 174081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62315-1	B-9-1	Total/NA	Solid	6010B	174040
720-62315-1 MS	B-9-1	Total/NA	Solid	6010B	174040
720-62315-1 MSD	B-9-1	Total/NA	Solid	6010B	174040
720-62315-2	B-9-6	Total/NA	Solid	6010B	174040
720-62315-4	B-10-1	Total/NA	Solid	6010B	174040
720-62315-5	B-10-6	Total/NA	Solid	6010B	174040
720-62315-6	B-11-1	Total/NA	Solid	6010B	174040
720-62315-7	B-11-6	Total/NA	Solid	6010B	174040

TestAmerica Pleasanton

QC Association Summary

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Metals (Continued)

Analysis Batch: 174081 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-174040/2-A	Lab Control Sample	Total/NA	Solid	6010B	174040
LCSD 720-174040/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	174040
LCSSRM 720-174040/13-A	Lab Control Sample	Total/NA	Solid	6010B	174040
MB 720-174040/1-A	Method Blank	Total/NA	Solid	6010B	174040

Filtration Batch: 174114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-174114/1-B	Method Blank	Dissolved	Water	FILTRATION	

Prep Batch: 174116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62315-3	B-9	Dissolved	Water	3005A	174036
720-62315-8	B-11	Dissolved	Water	3005A	174036
LCS 720-174116/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 720-174116/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
MB 720-174036/1-C	Method Blank	Dissolved	Water	3005A	174036
MB 720-174114/1-B	Method Blank	Dissolved	Water	3005A	174114
MB 720-174116/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 174135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62315-3	B-9	Dissolved	Water	6010B	174116
720-62315-8	B-11	Dissolved	Water	6010B	174116
LCS 720-174116/2-A	Lab Control Sample	Total Recoverable	Water	6010B	174116
LCSD 720-174116/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010B	174116
MB 720-174036/1-C	Method Blank	Dissolved	Water	6010B	174116
MB 720-174114/1-B	Method Blank	Dissolved	Water	6010B	174116
MB 720-174116/1-A	Method Blank	Total Recoverable	Water	6010B	174116

TestAmerica Pleasanton

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-9-1

Date Collected: 01/12/15 09:01

Date Received: 01/12/15 17:00

Lab Sample ID: 720-62315-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			174108	01/12/15 19:10	PDR	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	174075	01/14/15 11:21	ASC	TAL PLS
Total/NA	Prep	3546			174008	01/13/15 07:15	CJG	TAL PLS
Total/NA	Analysis	8015B		3	174012	01/13/15 14:26	JXL	TAL PLS
Total/NA	Prep	3050B			174040	01/13/15 12:29	ECT	TAL PLS
Total/NA	Analysis	6010B		1	174081	01/13/15 21:48	SLK	TAL PLS
Total/NA	Prep	7471A			173901	01/13/15 10:16	ASB	TAL PLS
Total/NA	Analysis	7471A		1	174069	01/13/15 19:32	SLK	TAL PLS

Client Sample ID: B-9-6

Date Collected: 01/12/15 09:35

Date Received: 01/12/15 17:00

Lab Sample ID: 720-62315-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			174048	01/12/15 19:10	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	174005	01/13/15 15:52	ASC	TAL PLS
Total/NA	Prep	3546			174008	01/13/15 07:15	CJG	TAL PLS
Total/NA	Analysis	8015B		1	174034	01/13/15 15:29	JXL	TAL PLS
Total/NA	Prep	3050B			174040	01/13/15 12:29	ECT	TAL PLS
Total/NA	Analysis	6010B		1	174081	01/13/15 21:52	SLK	TAL PLS
Total/NA	Prep	7471A			173901	01/13/15 10:16	ASB	TAL PLS
Total/NA	Analysis	7471A		1	174069	01/13/15 19:34	SLK	TAL PLS

Client Sample ID: B-9

Date Collected: 01/12/15 09:45

Date Received: 01/12/15 17:00

Lab Sample ID: 720-62315-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	174007	01/13/15 15:26	ASC	TAL PLS
Total/NA	Prep	3510C			174172	01/15/15 10:28	CJG	TAL PLS
Total/NA	Analysis	8015B		1	174217	01/16/15 10:35	JXL	TAL PLS
Dissolved	Filtration	FILTRATION			174036	01/13/15 11:01	ECT	TAL PLS
Dissolved	Prep	3005A			174116	01/14/15 13:55	ECT	TAL PLS
Dissolved	Analysis	6010B		1	174135	01/14/15 16:36	SLK	TAL PLS

Client Sample ID: B-10-1

Date Collected: 01/12/15 11:00

Date Received: 01/12/15 17:00

Lab Sample ID: 720-62315-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			174095	01/14/15 09:32	NDU	TAL PLS
Total/NA	Analysis	8270C SIM		2	174089	01/14/15 22:13	MQL	TAL PLS
Total/NA	Prep	3546			174008	01/13/15 07:15	CJG	TAL PLS

TestAmerica Pleasanton

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-10-1

Date Collected: 01/12/15 11:00

Date Received: 01/12/15 17:00

Lab Sample ID: 720-62315-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015B		1	174034	01/13/15 16:41	JXL	TAL PLS
Total/NA	Prep	3546			174013	01/13/15 17:08	AFM	TAL PLS
Total/NA	Analysis	8081A		1	174146	01/15/15 11:05	JZT	TAL PLS
Total/NA	Prep	3050B			174040	01/13/15 12:29	ECT	TAL PLS
Total/NA	Analysis	6010B		1	174081	01/13/15 22:07	SLK	TAL PLS
Total/NA	Prep	7471A			173901	01/13/15 10:16	ASB	TAL PLS
Total/NA	Analysis	7471A		1	174069	01/13/15 19:36	SLK	TAL PLS

Client Sample ID: B-10-6

Date Collected: 01/12/15 11:24

Date Received: 01/12/15 17:00

Lab Sample ID: 720-62315-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			174095	01/14/15 09:32	NDU	TAL PLS
Total/NA	Analysis	8270C SIM		1	174089	01/14/15 21:50	MQL	TAL PLS
Total/NA	Prep	3546			174008	01/13/15 07:15	CJG	TAL PLS
Total/NA	Analysis	8015B		1	174034	01/13/15 15:53	JXL	TAL PLS
Total/NA	Prep	3546			174013	01/13/15 17:08	AFM	TAL PLS
Total/NA	Analysis	8081A		1	174146	01/15/15 11:22	JZT	TAL PLS
Total/NA	Prep	3050B			174040	01/13/15 12:29	ECT	TAL PLS
Total/NA	Analysis	6010B		1	174081	01/13/15 22:11	SLK	TAL PLS
Total/NA	Prep	7471A			173901	01/13/15 10:16	ASB	TAL PLS
Total/NA	Analysis	7471A		1	174069	01/13/15 19:38	SLK	TAL PLS

Client Sample ID: B-11-1

Date Collected: 01/12/15 12:55

Date Received: 01/12/15 17:00

Lab Sample ID: 720-62315-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			174108	01/12/15 19:10	PDR	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	174075	01/14/15 11:50	ASC	TAL PLS
Total/NA	Prep	3546			174008	01/13/15 07:15	CJG	TAL PLS
Total/NA	Analysis	8015B		1	174034	01/13/15 17:05	JXL	TAL PLS
Total/NA	Prep	3050B			174040	01/13/15 12:29	ECT	TAL PLS
Total/NA	Analysis	6010B		1	174081	01/13/15 22:16	SLK	TAL PLS
Total/NA	Prep	7471A			173901	01/13/15 10:16	ASB	TAL PLS
Total/NA	Analysis	7471A		1	174069	01/13/15 19:41	SLK	TAL PLS

TestAmerica Pleasanton

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Client Sample ID: B-11-6

Lab Sample ID: 720-62315-7

Date Collected: 01/12/15 13:11

Matrix: Solid

Date Received: 01/12/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			174048	01/12/15 19:10	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	174005	01/13/15 16:49	ASC	TAL PLS
Total/NA	Prep	3546			174008	01/13/15 07:15	CJG	TAL PLS
Total/NA	Analysis	8015B		1	174034	01/13/15 16:17	JXL	TAL PLS
Total/NA	Prep	3050B			174040	01/13/15 12:29	ECT	TAL PLS
Total/NA	Analysis	6010B		4	174081	01/13/15 22:21	SLK	TAL PLS
Total/NA	Prep	3050B			174040	01/13/15 12:29	ECT	TAL PLS
Total/NA	Analysis	6010B		4	174072	01/13/15 19:56	SLK	TAL PLS
Total/NA	Prep	7471A			173901	01/13/15 10:16	ASB	TAL PLS
Total/NA	Analysis	7471A		1	174069	01/13/15 19:43	SLK	TAL PLS

Client Sample ID: B-11

Lab Sample ID: 720-62315-8

Date Collected: 01/12/15 13:30

Matrix: Water

Date Received: 01/12/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	174007	01/13/15 15:55	ASC	TAL PLS
Total/NA	Prep	3510C			174172	01/15/15 10:28	CJG	TAL PLS
Total/NA	Analysis	8015B		1	174217	01/16/15 10:10	JXL	TAL PLS
Dissolved	Filtration	FILTRATION			174036	01/13/15 11:01	ECT	TAL PLS
Dissolved	Prep	3005A			174116	01/14/15 14:05	ECT	TAL PLS
Dissolved	Analysis	6010B		1	174135	01/14/15 16:41	SLK	TAL PLS

Client Sample ID: TRIP BLANK

Lab Sample ID: 720-62315-9

Date Collected: 01/12/15 00:00

Matrix: Water

Date Received: 01/12/15 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	174007	01/13/15 18:22	ASC	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

TestAmerica Pleasanton

Certification Summary

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

Method Summary

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL PLS
8270C SIM	PAHs by GCMS (SIM)	SW846	TAL PLS
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS
8081A	Organochlorine Pesticides (GC)	SW846	TAL PLS
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Ninyo & Moore
Project/Site: Bay Road

TestAmerica Job ID: 720-62315-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-62315-1	B-9-1	Solid	01/12/15 09:01	01/12/15 17:00
720-62315-2	B-9-6	Solid	01/12/15 09:35	01/12/15 17:00
720-62315-3	B-9	Water	01/12/15 09:45	01/12/15 17:00
720-62315-4	B-10-1	Solid	01/12/15 11:00	01/12/15 17:00
720-62315-5	B-10-6	Solid	01/12/15 11:24	01/12/15 17:00
720-62315-6	B-11-1	Solid	01/12/15 12:55	01/12/15 17:00
720-62315-7	B-11-6	Solid	01/12/15 13:11	01/12/15 17:00
720-62315-8	B-11	Water	01/12/15 13:30	01/12/15 17:00
720-62315-9	TRIP BLANK	Water	01/12/15 00:00	01/12/15 17:00

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TESTAMERICA Pleasanton Chain of Custody
1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) 484-1919 • Fax: (925) 600-3002

Reference #: 158656

Date 1/12/14 Page 1 of 1

1/19/2015

Report To

Attn: Jason Grant
Company: Ninyo & Moore
Address: 1956 Webster Dr. Dublin
Email: jgrant@ninyoandmoore.com
Bill To: 402068001
Attn: J. Grant
Sampled By: F. McFarland
Phone: 925 393-7000

Analysis Request

Attn: Jason Grant					Volatile Organics GC/MS (VOCs)		HVOCs by ☐ EPA 8260B		EPA 8260B: ☐ Gas ☐ BTEX ☐ 5 Oxygenates ☐ DCA, EDB ☐ Ethanol		TEPH EPA 8015B ☐ Silica Gel ☐ Diesel ☐ Motor Oil ☐ Other		SemiVolatile Organics GC/MS ☐ EPA 8270C		PAHs by ☐ 8270C ☐ 8270C SIM		Oil and Grease (EPA 1664/9071) ☐ Total		Pesticides ☐ EPA 8081 PCBs ☐ EPA 8082		CAM17 Metals (EPA 6010/7470/7471)		Metals: ☐ 60108 ☐ 200.7 ☐ Lead ☐ LUFT ☐ RCR Other: _____		Metals: ☐ 6020 ☐ 200.8 (ICP-MS): _____		☐ W.E.T (STLC) ☐ W.E.T (DI) ☐ TCLP		Hex. Chrom by ☐ EPA 7196 ☐ or EPA 7199		pH ☐ 9040 ☐ SM4500		☐ Spec. Cond. ☐ Alkalinity ☐ TSS ☐ SS ☐ TDS		Anions: ☐ Cl ☐ SO ₄ ☐ NO ₃ ☐ F ☐ Br ☐ NO ₂ ☐ PO ₄		☐ Perchlorate by EPA 314.0		COD ☐ EPA 410.4 ☐ SM5220D ☐ Turbidity		Arsenic		Number of Containers																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Company: Ninyo & Moore					EPA 8260B ☒ EPA 8260B ☒																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

Project Info.		Sample Receipt	
Project Name/ #:	# of Containers:	Head Space:	Temp:
Bay Road			1.0°C
PO#:	If yes, please call with payment information ASAP		
Credit Card Y/N:			

1) Relinquished by:

Signature: [Signature] Time: 1700

Printed Name: Ed Martinez Date: 1-12-15

Company: Ninyo & Moore

2) Relinquished by:

Signature: [Signature] Time: 1700

Printed Name: Ed Martinez Date: 1-12-15

Company: Ninyo & Moore

3) Relinquished by:

Signature: _____ Time: _____

Printed Name: _____ Date: _____

Company: _____

T	10	5	4	3	2	1	Other:
A	Day	Day	Day	Day	Day	Day	STD
T							

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ EDF

Special Instructions / Comments: ☐ Global ID

See Terms and Conditions on reverse

1) Received by:

Signature: [Signature] Time: 1410

Printed Name: Ed Martinez Date: 1-12-15

Company: Ninyo & Moore

2) Received by:

Signature: [Signature] Time: 1700

Printed Name: J Gonzalez Date: 1/12/15

Company: Ninyo & Moore

3) Received by:

Signature: _____ Time: _____

Printed Name: _____ Date: _____

Company: _____



Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 720-62315-1

Login Number: 62315

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Bullock, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pleasanton

1220 Quarry Lane

Pleasanton, CA 94566

Tel: (925)484-1919

TestAmerica Job ID: 720-62341-1

Client Project/Site: Bay Road Improvements

For:

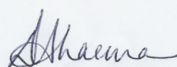
Ninyo & Moore

1956 Webster Street

Suite 400

Oakland, California 94612

Attn: Jason Grant



Authorized for release by:

1/20/2015 3:31:50 PM

Dimple Sharma, Senior Project Manager

(925)484-1919

dimple.sharma@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
*	ISTD response or retention time outside acceptable limits

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Job ID: 720-62341-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative 720-62341-1

Comments

No additional comments.

Receipt

The samples were received on 1/13/2015 7:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.1° C and 2.3° C.

Except:

Received 1 trip blank not on the COC, logged in on hold.

GC/MS VOA

Method 8260B: Internal standard (ISTD) response for the following sample was outside control limits: B-7-1 (720-62341-7), B-8-1 (720-62341-9). The sample(s) was re-extracted and/or re-analyzed with concurring results, and the second set of data has been reported.

Method 8260B: The Gasoline Range Organics (GRO) concentration reported for the following sample is due to the presence of discrete peaks: B-5 (720-62341-11). tetrachloroethene

Method 8260B: The following sample were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: B-7 (720-62341-13), B-8 (720-62341-14).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

Method 6010B: The following sample was diluted due to the abundance of non-target analyte: B-2-1 (720-62341-2), B-4-1 (720-62341-1), B-7-1 (720-62341-7). Elevated reporting limits (RLs) are provided.

Method 6010B: The method blank for batch 174138 contained Zn above the reporting limit (RL). Associated sample were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method 6010B: The serial dilution performed for the following sample associated with prep batch 174140 was outside control limits: (720-62341-1 SD)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method 3510C: Because more than 1/2" of sediment was present in the sample bottle, the liquid fraction was transferred to a separatory funnel before adding surrogate and/or spike solutions, the bottle was not rinsed with solvent; B-7 (720-62341-13), B-8 (720-62341-14)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-4-1

Lab Sample ID: 720-62341-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	6.2		0.99		mg/Kg	1		8015B	Total/NA
Barium	130		1.8		mg/Kg	4		6010B	Total/NA
Chromium	96		1.8		mg/Kg	4		6010B	Total/NA
Cobalt	26		0.71		mg/Kg	4		6010B	Total/NA
Copper	68		5.4		mg/Kg	4		6010B	Total/NA
Nickel	58		1.8		mg/Kg	4		6010B	Total/NA
Vanadium	85		1.8		mg/Kg	4		6010B	Total/NA
Zinc	61		5.4		mg/Kg	4		6010B	Total/NA
Mercury	0.023		0.0092		mg/Kg	1		7471A	Total/NA

Client Sample ID: B-2-1

Lab Sample ID: 720-62341-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	160		1.7		mg/Kg	4		6010B	Total/NA
Chromium	75		1.7		mg/Kg	4		6010B	Total/NA
Cobalt	35		0.67		mg/Kg	4		6010B	Total/NA
Copper	58		5.0		mg/Kg	4		6010B	Total/NA
Lead	3.6		1.7		mg/Kg	4		6010B	Total/NA
Nickel	50		1.7		mg/Kg	4		6010B	Total/NA
Vanadium	72		1.7		mg/Kg	4		6010B	Total/NA
Zinc	58		5.0		mg/Kg	4		6010B	Total/NA
Mercury	0.020		0.0091		mg/Kg	1		7471A	Total/NA

Client Sample ID: B-5-1

Lab Sample ID: 720-62341-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	48		3.8		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Diesel Range Organics [C10-C28]	11		1.0		mg/Kg	1		8015B	Total/NA
Arsenic	3.8		0.98		mg/Kg	1		6010B	Total/NA
Barium	160		0.49		mg/Kg	1		6010B	Total/NA
Beryllium	0.28		0.098		mg/Kg	1		6010B	Total/NA
Cadmium	0.21		0.12		mg/Kg	1		6010B	Total/NA
Chromium	30		0.49		mg/Kg	1		6010B	Total/NA
Cobalt	7.7		0.20		mg/Kg	1		6010B	Total/NA
Copper	19		1.5		mg/Kg	1		6010B	Total/NA
Lead	6.4		0.49		mg/Kg	1		6010B	Total/NA
Molybdenum	0.70		0.49		mg/Kg	1		6010B	Total/NA
Nickel	35		0.49		mg/Kg	1		6010B	Total/NA
Vanadium	29		0.49		mg/Kg	1		6010B	Total/NA
Zinc	47		1.5		mg/Kg	1		6010B	Total/NA
Mercury	0.039		0.0091		mg/Kg	1		7471A	Total/NA

Client Sample ID: B-5-6

Lab Sample ID: 720-62341-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	41		3.5		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Trichloroethene	14		3.5		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Diesel Range Organics [C10-C28]	2.4		0.99		mg/Kg	1		8015B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Detection Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-5-6 (Continued)

Lab Sample ID: 720-62341-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.2		0.94		mg/Kg	1		6010B	Total/NA
Barium	120		0.47		mg/Kg	1		6010B	Total/NA
Beryllium	0.28		0.094		mg/Kg	1		6010B	Total/NA
Cadmium	0.18		0.12		mg/Kg	1		6010B	Total/NA
Chromium	28		0.47		mg/Kg	1		6010B	Total/NA
Cobalt	7.7		0.19		mg/Kg	1		6010B	Total/NA
Copper	18		1.4		mg/Kg	1		6010B	Total/NA
Lead	4.3		0.47		mg/Kg	1		6010B	Total/NA
Molybdenum	0.53		0.47		mg/Kg	1		6010B	Total/NA
Nickel	29		0.47		mg/Kg	1		6010B	Total/NA
Vanadium	27		0.47		mg/Kg	1		6010B	Total/NA
Zinc	42		1.4		mg/Kg	1		6010B	Total/NA
Mercury	0.038		0.0090		mg/Kg	1		7471A	Total/NA

Client Sample ID: B-6-1

Lab Sample ID: 720-62341-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.94		0.49		mg/Kg	1		6010B	Total/NA
Arsenic	9.3		0.97		mg/Kg	1		6010B	Total/NA
Barium	140		0.49		mg/Kg	1		6010B	Total/NA
Beryllium	0.31		0.097		mg/Kg	1		6010B	Total/NA
Cadmium	0.43		0.12		mg/Kg	1		6010B	Total/NA
Chromium	31		0.49		mg/Kg	1		6010B	Total/NA
Cobalt	7.5		0.19		mg/Kg	1		6010B	Total/NA
Copper	18		1.5		mg/Kg	1		6010B	Total/NA
Lead	12		0.49		mg/Kg	1		6010B	Total/NA
Molybdenum	0.69		0.49		mg/Kg	1		6010B	Total/NA
Nickel	31		0.49		mg/Kg	1		6010B	Total/NA
Vanadium	29		0.49		mg/Kg	1		6010B	Total/NA
Zinc	51	B	1.5		mg/Kg	1		6010B	Total/NA
Mercury	0.070		0.0087		mg/Kg	1		7471A	Total/NA

Client Sample ID: B-6-6

Lab Sample ID: 720-62341-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.61		0.38		mg/Kg	1		6010B	Total/NA
Arsenic	4.0		0.76		mg/Kg	1		6010B	Total/NA
Barium	88		0.38		mg/Kg	1		6010B	Total/NA
Beryllium	0.33		0.076		mg/Kg	1		6010B	Total/NA
Chromium	28		0.38		mg/Kg	1		6010B	Total/NA
Cobalt	6.8		0.15		mg/Kg	1		6010B	Total/NA
Copper	17		1.1		mg/Kg	1		6010B	Total/NA
Lead	4.8		0.38		mg/Kg	1		6010B	Total/NA
Molybdenum	1.3		0.38		mg/Kg	1		6010B	Total/NA
Nickel	32		0.38		mg/Kg	1		6010B	Total/NA
Vanadium	28		0.38		mg/Kg	1		6010B	Total/NA
Zinc	42	B	1.1		mg/Kg	1		6010B	Total/NA
Mercury	0.038		0.0083		mg/Kg	1		7471A	Total/NA

Client Sample ID: B-7-1

Lab Sample ID: 720-62341-7

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Detection Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-7-1 (Continued)

Lab Sample ID: 720-62341-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	5.3		0.99		mg/Kg	1		8015B	Total/NA
Arsenic	6.8		3.4		mg/Kg	4		6010B	Total/NA
Barium	680		1.7		mg/Kg	4		6010B	Total/NA
Cadmium	0.65		0.42		mg/Kg	4		6010B	Total/NA
Chromium	52		1.7		mg/Kg	4		6010B	Total/NA
Cobalt	13		0.68		mg/Kg	4		6010B	Total/NA
Copper	24		5.1		mg/Kg	4		6010B	Total/NA
Lead	9.0		1.7		mg/Kg	4		6010B	Total/NA
Nickel	70		1.7		mg/Kg	4		6010B	Total/NA
Vanadium	30		1.7		mg/Kg	4		6010B	Total/NA
Zinc	47	B	5.1		mg/Kg	4		6010B	Total/NA
Mercury	0.22		0.0092		mg/Kg	1		7471A	Total/NA

Client Sample ID: B-7-6

Lab Sample ID: 720-62341-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	6.4		0.98		mg/Kg	1		8015B	Total/NA
Antimony	0.99		0.39		mg/Kg	1		6010B	Total/NA
Arsenic	3.4		0.79		mg/Kg	1		6010B	Total/NA
Barium	130		0.39		mg/Kg	1		6010B	Total/NA
Beryllium	0.15		0.079		mg/Kg	1		6010B	Total/NA
Cadmium	0.14		0.098		mg/Kg	1		6010B	Total/NA
Chromium	32		0.39		mg/Kg	1		6010B	Total/NA
Cobalt	6.1		0.16		mg/Kg	1		6010B	Total/NA
Copper	12		1.2		mg/Kg	1		6010B	Total/NA
Lead	3.1		0.39		mg/Kg	1		6010B	Total/NA
Molybdenum	0.67		0.39		mg/Kg	1		6010B	Total/NA
Nickel	29		0.39		mg/Kg	1		6010B	Total/NA
Vanadium	26		0.39		mg/Kg	1		6010B	Total/NA
Zinc	30	B	1.2		mg/Kg	1		6010B	Total/NA
Mercury	0.041		0.0091		mg/Kg	1		7471A	Total/NA

Client Sample ID: B-8-1

Lab Sample ID: 720-62341-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	100		36		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Diesel Range Organics [C10-C28]	18		0.98		mg/Kg	1		8015B	Total/NA
Motor Oil Range Organics [C24-C36]	64		49		mg/Kg	1		8015B	Total/NA
Antimony	1.2		0.44		mg/Kg	1		6010B	Total/NA
Arsenic	8.9		0.88		mg/Kg	1		6010B	Total/NA
Barium	140		0.44		mg/Kg	1		6010B	Total/NA
Beryllium	0.16		0.088		mg/Kg	1		6010B	Total/NA
Cadmium	0.97		0.11		mg/Kg	1		6010B	Total/NA
Chromium	27		0.44		mg/Kg	1		6010B	Total/NA
Cobalt	9.4		0.18		mg/Kg	1		6010B	Total/NA
Copper	27		1.3		mg/Kg	1		6010B	Total/NA
Lead	12		0.44		mg/Kg	1		6010B	Total/NA
Molybdenum	0.63		0.44		mg/Kg	1		6010B	Total/NA
Nickel	30		0.44		mg/Kg	1		6010B	Total/NA
Vanadium	36		0.44		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Detection Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-8-1 (Continued)

Lab Sample ID: 720-62341-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	54	B	1.3		mg/Kg	1		6010B	Total/NA
Mercury	0.37		0.0092		mg/Kg	1		7471A	Total/NA

Client Sample ID: B-8-6

Lab Sample ID: 720-62341-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	2.5		0.99		mg/Kg	1		8015B	Total/NA
Arsenic	3.0		0.76		mg/Kg	1		6010B	Total/NA
Barium	86		0.38		mg/Kg	1		6010B	Total/NA
Beryllium	0.27		0.076		mg/Kg	1		6010B	Total/NA
Chromium	25		0.38		mg/Kg	1		6010B	Total/NA
Cobalt	6.2		0.15		mg/Kg	1		6010B	Total/NA
Copper	14		1.1		mg/Kg	1		6010B	Total/NA
Lead	4.0		0.38		mg/Kg	1		6010B	Total/NA
Molybdenum	0.83		0.38		mg/Kg	1		6010B	Total/NA
Nickel	29		0.38		mg/Kg	1		6010B	Total/NA
Vanadium	24		0.38		mg/Kg	1		6010B	Total/NA
Zinc	37	B	1.1		mg/Kg	1		6010B	Total/NA
Mercury	0.032		0.0094		mg/Kg	1		7471A	Total/NA

Client Sample ID: B-5

Lab Sample ID: 720-62341-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.1		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Tetrachloroethene	44		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Trichloroethene	19		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	53		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Diesel Range Organics [C10-C28]	93		51		ug/L	1		8015B	Total/NA
Motor Oil Range Organics [C24-C36]	130		100		ug/L	1		8015B	Total/NA

Client Sample ID: B-6

Lab Sample ID: 720-62341-12

No Detections.

Client Sample ID: B-7

Lab Sample ID: 720-62341-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.91		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Diesel Range Organics [C10-C28]	250		68		ug/L	1		8015B	Total/NA
Motor Oil Range Organics [C24-C36]	230		140		ug/L	1		8015B	Total/NA

Client Sample ID: B-8

Lab Sample ID: 720-62341-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	100		80		ug/L	1		8015B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-4-1

Lab Sample ID: 720-62341-1

Date Collected: 01/13/15 09:00

Matrix: Solid

Date Received: 01/13/15 19:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Acetone	ND		40		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Benzene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Dichlorobromomethane	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Bromobenzene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Chlorobromomethane	ND		16		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Bromoform	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Bromomethane	ND		8.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
2-Butanone (MEK)	ND		40		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
n-Butylbenzene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
sec-Butylbenzene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
tert-Butylbenzene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Carbon disulfide	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Carbon tetrachloride	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Chlorobenzene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Chloroethane	ND		8.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Chloroform	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Chloromethane	ND		8.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
2-Chlorotoluene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
4-Chlorotoluene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Chlorodibromomethane	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
1,2-Dichlorobenzene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
1,3-Dichlorobenzene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
1,4-Dichlorobenzene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
1,3-Dichloropropane	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
1,1-Dichloropropene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
1,2-Dibromo-3-Chloropropane	ND		8.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Ethylene Dibromide	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Dibromomethane	ND		8.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Dichlorodifluoromethane	ND		8.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
1,1-Dichloroethane	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
1,2-Dichloroethane	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
1,1-Dichloroethene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
cis-1,2-Dichloroethene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
trans-1,2-Dichloroethene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
1,2-Dichloropropane	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
cis-1,3-Dichloropropene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
trans-1,3-Dichloropropene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Ethylbenzene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Hexachlorobutadiene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
2-Hexanone	ND		40		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Isopropylbenzene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
4-Isopropyltoluene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Methylene Chloride	ND		8.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
4-Methyl-2-pentanone (MIBK)	ND		40		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Naphthalene	ND		8.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
N-Propylbenzene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Styrene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
1,1,1,2-Tetrachloroethane	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-4-1

Lab Sample ID: 720-62341-1

Date Collected: 01/13/15 09:00

Matrix: Solid

Date Received: 01/13/15 19:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Tetrachloroethene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Toluene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
1,2,3-Trichlorobenzene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
1,2,4-Trichlorobenzene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
1,1,1-Trichloroethane	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
1,1,2-Trichloroethane	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Trichloroethene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Trichlorofluoromethane	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
1,2,3-Trichloropropane	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
1,2,4-Trimethylbenzene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
1,3,5-Trimethylbenzene	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Vinyl acetate	ND		16		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Vinyl chloride	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Xylenes, Total	ND		8.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
2,2-Dichloropropane	ND		4.0		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
Gasoline Range Organics (GRO)	ND		200		ug/Kg		01/13/15 21:50	01/14/15 20:36	1
-C5-C12									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		45 - 131				01/13/15 21:50	01/14/15 20:36	1
1,2-Dichloroethane-d4 (Surr)	97		60 - 140				01/13/15 21:50	01/14/15 20:36	1
Toluene-d8 (Surr)	97		58 - 140				01/13/15 21:50	01/14/15 20:36	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	6.2		0.99		mg/Kg		01/14/15 11:57	01/15/15 01:49	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		01/14/15 11:57	01/15/15 01:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	89		40 - 130				01/14/15 11:57	01/15/15 01:49	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.8		mg/Kg		01/14/15 19:03	01/16/15 11:36	4
Arsenic	ND		3.6		mg/Kg		01/14/15 19:03	01/16/15 11:36	4
Barium	130		1.8		mg/Kg		01/14/15 19:03	01/16/15 11:36	4
Beryllium	ND		0.36		mg/Kg		01/14/15 19:03	01/16/15 11:36	4
Cadmium	ND		0.45		mg/Kg		01/14/15 19:03	01/16/15 11:36	4
Chromium	96		1.8		mg/Kg		01/14/15 19:03	01/16/15 11:36	4
Cobalt	26		0.71		mg/Kg		01/14/15 19:03	01/16/15 11:36	4
Copper	68		5.4		mg/Kg		01/14/15 19:03	01/16/15 11:36	4
Lead	ND		1.8		mg/Kg		01/14/15 19:03	01/16/15 11:36	4
Molybdenum	ND		1.8		mg/Kg		01/14/15 19:03	01/16/15 11:36	4
Nickel	58		1.8		mg/Kg		01/14/15 19:03	01/16/15 11:36	4
Selenium	ND		3.6		mg/Kg		01/14/15 19:03	01/16/15 11:36	4
Silver	ND		0.89		mg/Kg		01/14/15 19:03	01/16/15 11:36	4
Thallium	ND		1.8		mg/Kg		01/14/15 19:03	01/16/15 11:36	4
Vanadium	85		1.8		mg/Kg		01/14/15 19:03	01/16/15 11:36	4
Zinc	61		5.4		mg/Kg		01/14/15 19:03	01/16/15 21:38	4

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-4-1

Date Collected: 01/13/15 09:00

Date Received: 01/13/15 19:00

Lab Sample ID: 720-62341-1

Matrix: Solid

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.0092		mg/Kg		01/14/15 19:38	01/16/15 15:09	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-2-1

Lab Sample ID: 720-62341-2

Date Collected: 01/13/15 10:45

Matrix: Solid

Date Received: 01/13/15 19:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Acetone	ND		37		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Benzene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Dichlorobromomethane	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Bromobenzene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Chlorobromomethane	ND		15		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Bromoform	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Bromomethane	ND		7.5		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
2-Butanone (MEK)	ND		37		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
n-Butylbenzene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
sec-Butylbenzene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
tert-Butylbenzene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Carbon disulfide	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Carbon tetrachloride	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Chlorobenzene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Chloroethane	ND		7.5		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Chloroform	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Chloromethane	ND		7.5		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
2-Chlorotoluene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
4-Chlorotoluene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Chlorodibromomethane	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
1,2-Dichlorobenzene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
1,3-Dichlorobenzene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
1,4-Dichlorobenzene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
1,3-Dichloropropane	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
1,1-Dichloropropene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
1,2-Dibromo-3-Chloropropane	ND		7.5		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Ethylene Dibromide	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Dibromomethane	ND		7.5		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Dichlorodifluoromethane	ND		7.5		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
1,1-Dichloroethane	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
1,2-Dichloroethane	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
1,1-Dichloroethene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
cis-1,2-Dichloroethene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
trans-1,2-Dichloroethene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
1,2-Dichloropropane	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
cis-1,3-Dichloropropene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
trans-1,3-Dichloropropene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Ethylbenzene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Hexachlorobutadiene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
2-Hexanone	ND		37		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Isopropylbenzene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
4-Isopropyltoluene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Methylene Chloride	ND		7.5		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
4-Methyl-2-pentanone (MIBK)	ND		37		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Naphthalene	ND		7.5		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
N-Propylbenzene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Styrene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
1,1,1,2-Tetrachloroethane	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-2-1

Lab Sample ID: 720-62341-2

Date Collected: 01/13/15 10:45

Matrix: Solid

Date Received: 01/13/15 19:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Tetrachloroethene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Toluene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
1,2,3-Trichlorobenzene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
1,2,4-Trichlorobenzene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
1,1,1-Trichloroethane	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
1,1,2-Trichloroethane	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Trichloroethene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Trichlorofluoromethane	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
1,2,3-Trichloropropane	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
1,2,4-Trimethylbenzene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
1,3,5-Trimethylbenzene	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Vinyl acetate	ND		15		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Vinyl chloride	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
Xylenes, Total	ND		7.5		ug/Kg		01/13/15 21:50	01/14/15 21:07	1
2,2-Dichloropropane	ND		3.7		ug/Kg		01/13/15 21:50	01/14/15 21:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	91		45 - 131	01/13/15 21:50	01/14/15 21:07	1
1,2-Dichloroethane-d4 (Surr)	105		60 - 140	01/13/15 21:50	01/14/15 21:07	1
Toluene-d8 (Surr)	96		58 - 140	01/13/15 21:50	01/14/15 21:07	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.7		mg/Kg		01/14/15 19:03	01/16/15 11:41	4
Arsenic	ND		3.4		mg/Kg		01/14/15 19:03	01/16/15 11:41	4
Barium	160		1.7		mg/Kg		01/14/15 19:03	01/16/15 11:41	4
Beryllium	ND		0.34		mg/Kg		01/14/15 19:03	01/16/15 11:41	4
Cadmium	ND		0.42		mg/Kg		01/14/15 19:03	01/16/15 11:41	4
Chromium	75		1.7		mg/Kg		01/14/15 19:03	01/16/15 11:41	4
Cobalt	35		0.67		mg/Kg		01/14/15 19:03	01/16/15 11:41	4
Copper	58		5.0		mg/Kg		01/14/15 19:03	01/16/15 11:41	4
Lead	3.6		1.7		mg/Kg		01/14/15 19:03	01/16/15 11:41	4
Molybdenum	ND		1.7		mg/Kg		01/14/15 19:03	01/16/15 11:41	4
Nickel	50		1.7		mg/Kg		01/14/15 19:03	01/16/15 11:41	4
Selenium	ND		3.4		mg/Kg		01/14/15 19:03	01/16/15 11:41	4
Silver	ND		0.84		mg/Kg		01/14/15 19:03	01/16/15 11:41	4
Thallium	ND		1.7		mg/Kg		01/14/15 19:03	01/16/15 11:41	4
Vanadium	72		1.7		mg/Kg		01/14/15 19:03	01/16/15 11:41	4
Zinc	58		5.0		mg/Kg		01/14/15 19:03	01/16/15 21:43	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.0091		mg/Kg		01/14/15 19:38	01/16/15 15:11	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-5-1

Lab Sample ID: 720-62341-3

Date Collected: 01/13/15 12:31

Matrix: Solid

Date Received: 01/13/15 19:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Acetone	ND		38		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Benzene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Dichlorobromomethane	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Bromobenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Chlorobromomethane	ND		15		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Bromoform	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Bromomethane	ND		7.6		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
2-Butanone (MEK)	ND		38		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
n-Butylbenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
sec-Butylbenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
tert-Butylbenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Carbon disulfide	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Carbon tetrachloride	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Chlorobenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Chloroethane	ND		7.6		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Chloroform	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Chloromethane	ND		7.6		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
2-Chlorotoluene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
4-Chlorotoluene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Chlorodibromomethane	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
1,2-Dichlorobenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
1,3-Dichlorobenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
1,4-Dichlorobenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
1,3-Dichloropropane	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
1,1-Dichloropropene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
1,2-Dibromo-3-Chloropropane	ND		7.6		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Ethylene Dibromide	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Dibromomethane	ND		7.6		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Dichlorodifluoromethane	ND		7.6		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
1,1-Dichloroethane	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
1,2-Dichloroethane	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
1,1-Dichloroethene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
cis-1,2-Dichloroethene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
trans-1,2-Dichloroethene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
1,2-Dichloropropane	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
cis-1,3-Dichloropropene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
trans-1,3-Dichloropropene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Ethylbenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Hexachlorobutadiene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
2-Hexanone	ND		38		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Isopropylbenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
4-Isopropyltoluene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Methylene Chloride	ND		7.6		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
4-Methyl-2-pentanone (MIBK)	ND		38		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Naphthalene	ND		7.6		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
N-Propylbenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Styrene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
1,1,1,2-Tetrachloroethane	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-5-1

Lab Sample ID: 720-62341-3

Date Collected: 01/13/15 12:31

Matrix: Solid

Date Received: 01/13/15 19:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Tetrachloroethene	48		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Toluene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
1,2,3-Trichlorobenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
1,2,4-Trichlorobenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
1,1,1-Trichloroethane	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
1,1,2-Trichloroethane	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Trichloroethene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Trichlorofluoromethane	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
1,2,3-Trichloropropane	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
1,2,4-Trimethylbenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
1,3,5-Trimethylbenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Vinyl acetate	ND		15		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Vinyl chloride	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Xylenes, Total	ND		7.6		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
2,2-Dichloropropane	ND		3.8		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
Gasoline Range Organics (GRO)	ND		190		ug/Kg		01/13/15 21:50	01/14/15 21:38	1
-C5-C12									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		45 - 131				01/13/15 21:50	01/14/15 21:38	1
1,2-Dichloroethane-d4 (Surr)	113		60 - 140				01/13/15 21:50	01/14/15 21:38	1
Toluene-d8 (Surr)	95		58 - 140				01/13/15 21:50	01/14/15 21:38	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	11		1.0		mg/Kg		01/14/15 11:57	01/15/15 01:20	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		01/14/15 11:57	01/15/15 01:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	74		40 - 130				01/14/15 11:57	01/15/15 01:20	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.49		mg/Kg		01/14/15 19:03	01/16/15 21:48	1
Arsenic	3.8		0.98		mg/Kg		01/14/15 19:03	01/16/15 21:48	1
Barium	160		0.49		mg/Kg		01/14/15 19:03	01/16/15 21:48	1
Beryllium	0.28		0.098		mg/Kg		01/14/15 19:03	01/16/15 21:48	1
Cadmium	0.21		0.12		mg/Kg		01/14/15 19:03	01/16/15 21:48	1
Chromium	30		0.49		mg/Kg		01/14/15 19:03	01/16/15 21:48	1
Cobalt	7.7		0.20		mg/Kg		01/14/15 19:03	01/16/15 21:48	1
Copper	19		1.5		mg/Kg		01/14/15 19:03	01/16/15 21:48	1
Lead	6.4		0.49		mg/Kg		01/14/15 19:03	01/16/15 21:48	1
Molybdenum	0.70		0.49		mg/Kg		01/14/15 19:03	01/16/15 21:48	1
Nickel	35		0.49		mg/Kg		01/14/15 19:03	01/16/15 21:48	1
Selenium	ND		0.98		mg/Kg		01/14/15 19:03	01/16/15 21:48	1
Silver	ND		0.25		mg/Kg		01/14/15 19:03	01/16/15 21:48	1
Thallium	ND		0.49		mg/Kg		01/14/15 19:03	01/16/15 21:48	1
Vanadium	29		0.49		mg/Kg		01/14/15 19:03	01/16/15 21:48	1
Zinc	47		1.5		mg/Kg		01/14/15 19:03	01/16/15 21:48	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-5-1

Date Collected: 01/13/15 12:31

Date Received: 01/13/15 19:00

Lab Sample ID: 720-62341-3

Matrix: Solid

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.039		0.0091		mg/Kg		01/14/15 19:38	01/16/15 15:20	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-5-6

Lab Sample ID: 720-62341-4

Date Collected: 01/13/15 12:46

Matrix: Solid

Date Received: 01/13/15 19:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Acetone	ND		35		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Benzene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Dichlorobromomethane	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Bromobenzene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Chlorobromomethane	ND		14		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Bromoform	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Bromomethane	ND		6.9		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
2-Butanone (MEK)	ND		35		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
n-Butylbenzene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
sec-Butylbenzene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
tert-Butylbenzene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Carbon disulfide	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Carbon tetrachloride	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Chlorobenzene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Chloroethane	ND		6.9		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Chloroform	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Chloromethane	ND		6.9		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
2-Chlorotoluene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
4-Chlorotoluene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Chlorodibromomethane	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
1,2-Dichlorobenzene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
1,3-Dichlorobenzene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
1,4-Dichlorobenzene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
1,3-Dichloropropane	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
1,1-Dichloropropene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
1,2-Dibromo-3-Chloropropane	ND		6.9		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Ethylene Dibromide	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Dibromomethane	ND		6.9		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Dichlorodifluoromethane	ND		6.9		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
1,1-Dichloroethane	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
1,2-Dichloroethane	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
1,1-Dichloroethene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
cis-1,2-Dichloroethene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
trans-1,2-Dichloroethene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
1,2-Dichloropropane	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
cis-1,3-Dichloropropene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
trans-1,3-Dichloropropene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Ethylbenzene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Hexachlorobutadiene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
2-Hexanone	ND		35		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Isopropylbenzene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
4-Isopropyltoluene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Methylene Chloride	ND		6.9		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
4-Methyl-2-pentanone (MIBK)	ND		35		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Naphthalene	ND		6.9		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
N-Propylbenzene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Styrene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
1,1,1,2-Tetrachloroethane	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-5-6

Lab Sample ID: 720-62341-4

Date Collected: 01/13/15 12:46

Matrix: Solid

Date Received: 01/13/15 19:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Tetrachloroethene	41		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Toluene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
1,2,3-Trichlorobenzene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
1,2,4-Trichlorobenzene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
1,1,1-Trichloroethane	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
1,1,2-Trichloroethane	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Trichloroethene	14		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Trichlorofluoromethane	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
1,2,3-Trichloropropane	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
1,2,4-Trimethylbenzene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
1,3,5-Trimethylbenzene	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Vinyl acetate	ND		14		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Vinyl chloride	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Xylenes, Total	ND		6.9		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
2,2-Dichloropropane	ND		3.5		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
Gasoline Range Organics (GRO)	ND		170		ug/Kg		01/13/15 21:50	01/14/15 22:09	1
-C5-C12									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		45 - 131				01/13/15 21:50	01/14/15 22:09	1
1,2-Dichloroethane-d4 (Surr)	106		60 - 140				01/13/15 21:50	01/14/15 22:09	1
Toluene-d8 (Surr)	95		58 - 140				01/13/15 21:50	01/14/15 22:09	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	2.4		0.99		mg/Kg		01/14/15 11:57	01/14/15 23:53	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		01/14/15 11:57	01/14/15 23:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	96		40 - 130				01/14/15 11:57	01/14/15 23:53	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.47		mg/Kg		01/14/15 19:03	01/16/15 22:03	1
Arsenic	3.2		0.94		mg/Kg		01/14/15 19:03	01/16/15 22:03	1
Barium	120		0.47		mg/Kg		01/14/15 19:03	01/16/15 22:03	1
Beryllium	0.28		0.094		mg/Kg		01/14/15 19:03	01/16/15 22:03	1
Cadmium	0.18		0.12		mg/Kg		01/14/15 19:03	01/16/15 22:03	1
Chromium	28		0.47		mg/Kg		01/14/15 19:03	01/16/15 22:03	1
Cobalt	7.7		0.19		mg/Kg		01/14/15 19:03	01/16/15 22:03	1
Copper	18		1.4		mg/Kg		01/14/15 19:03	01/16/15 22:03	1
Lead	4.3		0.47		mg/Kg		01/14/15 19:03	01/16/15 22:03	1
Molybdenum	0.53		0.47		mg/Kg		01/14/15 19:03	01/16/15 22:03	1
Nickel	29		0.47		mg/Kg		01/14/15 19:03	01/16/15 22:03	1
Selenium	ND		0.94		mg/Kg		01/14/15 19:03	01/16/15 22:03	1
Silver	ND		0.24		mg/Kg		01/14/15 19:03	01/16/15 22:03	1
Thallium	ND		0.47		mg/Kg		01/14/15 19:03	01/16/15 22:03	1
Vanadium	27		0.47		mg/Kg		01/14/15 19:03	01/16/15 22:03	1
Zinc	42		1.4		mg/Kg		01/14/15 19:03	01/16/15 22:03	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-5-6

Date Collected: 01/13/15 12:46

Date Received: 01/13/15 19:00

Lab Sample ID: 720-62341-4

Matrix: Solid

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038		0.0090		mg/Kg		01/14/15 19:38	01/16/15 15:22	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-6-1

Lab Sample ID: 720-62341-5

Date Collected: 01/13/15 12:54

Matrix: Solid

Date Received: 01/13/15 19:00

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.94		0.49		mg/Kg		01/14/15 18:34	01/15/15 18:39	1
Arsenic	9.3		0.97		mg/Kg		01/14/15 18:34	01/15/15 18:39	1
Barium	140		0.49		mg/Kg		01/14/15 18:34	01/15/15 18:39	1
Beryllium	0.31		0.097		mg/Kg		01/14/15 18:34	01/15/15 18:39	1
Cadmium	0.43		0.12		mg/Kg		01/14/15 18:34	01/15/15 18:39	1
Chromium	31		0.49		mg/Kg		01/14/15 18:34	01/15/15 18:39	1
Cobalt	7.5		0.19		mg/Kg		01/14/15 18:34	01/15/15 18:39	1
Copper	18		1.5		mg/Kg		01/14/15 18:34	01/15/15 18:39	1
Lead	12		0.49		mg/Kg		01/14/15 18:34	01/15/15 18:39	1
Molybdenum	0.69		0.49		mg/Kg		01/14/15 18:34	01/15/15 18:39	1
Nickel	31		0.49		mg/Kg		01/14/15 18:34	01/15/15 18:39	1
Selenium	ND		0.97		mg/Kg		01/14/15 18:34	01/15/15 18:39	1
Silver	ND		0.24		mg/Kg		01/14/15 18:34	01/15/15 18:39	1
Thallium	ND		0.49		mg/Kg		01/14/15 18:34	01/15/15 18:39	1
Vanadium	29		0.49		mg/Kg		01/14/15 18:34	01/15/15 18:39	1
Zinc	51	B	1.5		mg/Kg		01/14/15 18:34	01/15/15 18:39	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.070		0.0087		mg/Kg		01/14/15 19:38	01/16/15 15:25	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-6-6

Lab Sample ID: 720-62341-6

Date Collected: 01/13/15 13:15

Matrix: Solid

Date Received: 01/13/15 19:00

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.61		0.38		mg/Kg		01/14/15 18:34	01/15/15 18:44	1
Arsenic	4.0		0.76		mg/Kg		01/14/15 18:34	01/15/15 18:44	1
Barium	88		0.38		mg/Kg		01/14/15 18:34	01/15/15 18:44	1
Beryllium	0.33		0.076		mg/Kg		01/14/15 18:34	01/15/15 18:44	1
Cadmium	ND		0.095		mg/Kg		01/14/15 18:34	01/15/15 18:44	1
Chromium	28		0.38		mg/Kg		01/14/15 18:34	01/15/15 18:44	1
Cobalt	6.8		0.15		mg/Kg		01/14/15 18:34	01/15/15 18:44	1
Copper	17		1.1		mg/Kg		01/14/15 18:34	01/15/15 18:44	1
Lead	4.8		0.38		mg/Kg		01/14/15 18:34	01/15/15 18:44	1
Molybdenum	1.3		0.38		mg/Kg		01/14/15 18:34	01/15/15 18:44	1
Nickel	32		0.38		mg/Kg		01/14/15 18:34	01/15/15 18:44	1
Selenium	ND		0.76		mg/Kg		01/14/15 18:34	01/15/15 18:44	1
Silver	ND		0.19		mg/Kg		01/14/15 18:34	01/15/15 18:44	1
Thallium	ND		0.38		mg/Kg		01/14/15 18:34	01/15/15 18:44	1
Vanadium	28		0.38		mg/Kg		01/14/15 18:34	01/15/15 18:44	1
Zinc	42	B	1.1		mg/Kg		01/14/15 18:34	01/15/15 18:44	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038		0.0083		mg/Kg		01/14/15 19:38	01/16/15 15:28	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-7-1

Lab Sample ID: 720-62341-7

Date Collected: 01/13/15 13:50

Matrix: Solid

Date Received: 01/13/15 19:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Acetone	ND		35		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Benzene	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Dichlorobromomethane	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Bromobenzene	ND	*	3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Chlorobromomethane	ND		14		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Bromoform	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Bromomethane	ND		7.0		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
2-Butanone (MEK)	ND		35		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
n-Butylbenzene	ND	*	3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
sec-Butylbenzene	ND	*	3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
tert-Butylbenzene	ND	*	3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Carbon disulfide	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Carbon tetrachloride	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Chlorobenzene	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Chloroethane	ND		7.0		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Chloroform	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Chloromethane	ND		7.0		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
2-Chlorotoluene	ND	*	3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
4-Chlorotoluene	ND	*	3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Chlorodibromomethane	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
1,2-Dichlorobenzene	ND	*	3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
1,3-Dichlorobenzene	ND	*	3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
1,4-Dichlorobenzene	ND	*	3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
1,3-Dichloropropane	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
1,1-Dichloropropene	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
1,2-Dibromo-3-Chloropropane	ND	*	7.0		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Ethylene Dibromide	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Dibromomethane	ND		7.0		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Dichlorodifluoromethane	ND		7.0		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
1,1-Dichloroethane	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
1,2-Dichloroethane	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
1,1-Dichloroethene	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
cis-1,2-Dichloroethene	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
trans-1,2-Dichloroethene	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
1,2-Dichloropropane	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
cis-1,3-Dichloropropene	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
trans-1,3-Dichloropropene	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Ethylbenzene	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Hexachlorobutadiene	ND	*	3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
2-Hexanone	ND		35		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Isopropylbenzene	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
4-Isopropyltoluene	ND	*	3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Methylene Chloride	ND		7.0		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
4-Methyl-2-pentanone (MIBK)	ND		35		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Naphthalene	ND	*	7.0		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
N-Propylbenzene	ND	*	3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Styrene	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
1,1,1,2-Tetrachloroethane	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-7-1

Lab Sample ID: 720-62341-7

Date Collected: 01/13/15 13:50

Matrix: Solid

Date Received: 01/13/15 19:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND	*	3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Tetrachloroethene	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Toluene	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
1,2,3-Trichlorobenzene	ND	*	3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
1,2,4-Trichlorobenzene	ND	*	3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
1,1,1-Trichloroethane	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
1,1,2-Trichloroethane	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Trichloroethene	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Trichlorofluoromethane	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
1,2,3-Trichloropropane	ND	*	3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
1,2,4-Trimethylbenzene	ND	*	3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
1,3,5-Trimethylbenzene	ND	*	3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Vinyl acetate	ND		14		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Vinyl chloride	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Xylenes, Total	ND		7.0		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
2,2-Dichloropropane	ND		3.5		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
Gasoline Range Organics (GRO)	ND		170		ug/Kg		01/13/15 21:50	01/15/15 12:33	1
-C5-C12									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	77		45 - 131				01/13/15 21:50	01/15/15 12:33	1
1,2-Dichloroethane-d4 (Surr)	93		60 - 140				01/13/15 21:50	01/15/15 12:33	1
Toluene-d8 (Surr)	91		58 - 140				01/13/15 21:50	01/15/15 12:33	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	5.3		0.99		mg/Kg		01/14/15 11:57	01/15/15 00:22	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		01/14/15 11:57	01/15/15 00:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	92		40 - 130				01/14/15 11:57	01/15/15 00:22	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.7		mg/Kg		01/14/15 18:34	01/15/15 13:03	4
Arsenic	6.8		3.4		mg/Kg		01/14/15 18:34	01/15/15 13:03	4
Barium	680		1.7		mg/Kg		01/14/15 18:34	01/15/15 13:03	4
Beryllium	ND		0.34		mg/Kg		01/14/15 18:34	01/15/15 13:03	4
Cadmium	0.65		0.42		mg/Kg		01/14/15 18:34	01/15/15 13:03	4
Chromium	52		1.7		mg/Kg		01/14/15 18:34	01/15/15 13:03	4
Cobalt	13		0.68		mg/Kg		01/14/15 18:34	01/15/15 13:03	4
Copper	24		5.1		mg/Kg		01/14/15 18:34	01/15/15 13:03	4
Lead	9.0		1.7		mg/Kg		01/14/15 18:34	01/15/15 18:59	4
Molybdenum	ND		1.7		mg/Kg		01/14/15 18:34	01/15/15 13:03	4
Nickel	70		1.7		mg/Kg		01/14/15 18:34	01/15/15 18:59	4
Selenium	ND		3.4		mg/Kg		01/14/15 18:34	01/15/15 13:03	4
Silver	ND		0.85		mg/Kg		01/14/15 18:34	01/15/15 13:03	4
Thallium	ND		1.7		mg/Kg		01/14/15 18:34	01/15/15 18:59	4
Vanadium	30		1.7		mg/Kg		01/14/15 18:34	01/15/15 13:03	4
Zinc	47	B	5.1		mg/Kg		01/14/15 18:34	01/15/15 13:03	4

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-7-1

Date Collected: 01/13/15 13:50

Date Received: 01/13/15 19:00

Lab Sample ID: 720-62341-7

Matrix: Solid

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.22		0.0092		mg/Kg		01/14/15 19:38	01/16/15 15:32	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-7-6

Lab Sample ID: 720-62341-8

Date Collected: 01/13/15 14:17

Matrix: Solid

Date Received: 01/13/15 19:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Acetone	ND		36		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Benzene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Dichlorobromomethane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Bromobenzene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Chlorobromomethane	ND		14		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Bromoform	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Bromomethane	ND		7.1		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
2-Butanone (MEK)	ND		36		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
n-Butylbenzene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
sec-Butylbenzene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
tert-Butylbenzene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Carbon disulfide	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Carbon tetrachloride	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Chlorobenzene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Chloroethane	ND		7.1		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Chloroform	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Chloromethane	ND		7.1		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
2-Chlorotoluene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
4-Chlorotoluene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Chlorodibromomethane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
1,2-Dichlorobenzene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
1,3-Dichlorobenzene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
1,4-Dichlorobenzene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
1,3-Dichloropropane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
1,1-Dichloropropene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
1,2-Dibromo-3-Chloropropane	ND		7.1		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Ethylene Dibromide	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Dibromomethane	ND		7.1		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Dichlorodifluoromethane	ND		7.1		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
1,1-Dichloroethane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
1,2-Dichloroethane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
1,1-Dichloroethene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
cis-1,2-Dichloroethene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
trans-1,2-Dichloroethene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
1,2-Dichloropropane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
cis-1,3-Dichloropropene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
trans-1,3-Dichloropropene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Ethylbenzene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Hexachlorobutadiene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
2-Hexanone	ND		36		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Isopropylbenzene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
4-Isopropyltoluene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Methylene Chloride	ND		7.1		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
4-Methyl-2-pentanone (MIBK)	ND		36		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Naphthalene	ND		7.1		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
N-Propylbenzene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Styrene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
1,1,1,2-Tetrachloroethane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-7-6

Lab Sample ID: 720-62341-8

Date Collected: 01/13/15 14:17

Matrix: Solid

Date Received: 01/13/15 19:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Tetrachloroethene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Toluene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
1,2,3-Trichlorobenzene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
1,2,4-Trichlorobenzene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
1,1,1-Trichloroethane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
1,1,2-Trichloroethane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Trichloroethene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Trichlorofluoromethane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
1,2,3-Trichloropropane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
1,2,4-Trimethylbenzene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
1,3,5-Trimethylbenzene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Vinyl acetate	ND		14		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Vinyl chloride	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Xylenes, Total	ND		7.1		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
2,2-Dichloropropane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
Gasoline Range Organics (GRO)	ND		180		ug/Kg		01/13/15 21:50	01/15/15 13:01	1
-C5-C12									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	87		45 - 131				01/13/15 21:50	01/15/15 13:01	1
1,2-Dichloroethane-d4 (Surr)	93		60 - 140				01/13/15 21:50	01/15/15 13:01	1
Toluene-d8 (Surr)	92		58 - 140				01/13/15 21:50	01/15/15 13:01	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	6.4		0.98		mg/Kg		01/14/15 11:57	01/15/15 00:51	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		01/14/15 11:57	01/15/15 00:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	82		40 - 130				01/14/15 11:57	01/15/15 00:51	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.99		0.39		mg/Kg		01/14/15 18:34	01/15/15 19:04	1
Arsenic	3.4		0.79		mg/Kg		01/14/15 18:34	01/15/15 19:04	1
Barium	130		0.39		mg/Kg		01/14/15 18:34	01/15/15 19:04	1
Beryllium	0.15		0.079		mg/Kg		01/14/15 18:34	01/15/15 19:04	1
Cadmium	0.14		0.098		mg/Kg		01/14/15 18:34	01/15/15 19:04	1
Chromium	32		0.39		mg/Kg		01/14/15 18:34	01/15/15 19:04	1
Cobalt	6.1		0.16		mg/Kg		01/14/15 18:34	01/15/15 19:04	1
Copper	12		1.2		mg/Kg		01/14/15 18:34	01/15/15 19:04	1
Lead	3.1		0.39		mg/Kg		01/14/15 18:34	01/15/15 19:04	1
Molybdenum	0.67		0.39		mg/Kg		01/14/15 18:34	01/15/15 19:04	1
Nickel	29		0.39		mg/Kg		01/14/15 18:34	01/15/15 19:04	1
Selenium	ND		0.79		mg/Kg		01/14/15 18:34	01/15/15 19:04	1
Silver	ND		0.20		mg/Kg		01/14/15 18:34	01/15/15 19:04	1
Thallium	ND		0.39		mg/Kg		01/14/15 18:34	01/15/15 19:04	1
Vanadium	26		0.39		mg/Kg		01/14/15 18:34	01/15/15 19:04	1
Zinc	30 B		1.2		mg/Kg		01/14/15 18:34	01/15/15 19:04	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-7-6

Date Collected: 01/13/15 14:17

Date Received: 01/13/15 19:00

Lab Sample ID: 720-62341-8

Matrix: Solid

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.041		0.0091		mg/Kg		01/14/15 19:38	01/16/15 15:35	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-8-1

Lab Sample ID: 720-62341-9

Date Collected: 01/13/15 13:38

Matrix: Solid

Date Received: 01/13/15 19:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Acetone	100		36		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Benzene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Dichlorobromomethane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Bromobenzene	ND	*	3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Chlorobromomethane	ND		14		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Bromoform	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Bromomethane	ND		7.1		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
2-Butanone (MEK)	ND		36		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
n-Butylbenzene	ND	*	3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
sec-Butylbenzene	ND	*	3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
tert-Butylbenzene	ND	*	3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Carbon disulfide	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Carbon tetrachloride	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Chlorobenzene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Chloroethane	ND		7.1		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Chloroform	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Chloromethane	ND		7.1		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
2-Chlorotoluene	ND	*	3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
4-Chlorotoluene	ND	*	3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Chlorodibromomethane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
1,2-Dichlorobenzene	ND	*	3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
1,3-Dichlorobenzene	ND	*	3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
1,4-Dichlorobenzene	ND	*	3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
1,3-Dichloropropane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
1,1-Dichloropropene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
1,2-Dibromo-3-Chloropropane	ND	*	7.1		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Ethylene Dibromide	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Dibromomethane	ND		7.1		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Dichlorodifluoromethane	ND		7.1		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
1,1-Dichloroethane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
1,2-Dichloroethane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
1,1-Dichloroethene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
cis-1,2-Dichloroethene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
trans-1,2-Dichloroethene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
1,2-Dichloropropane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
cis-1,3-Dichloropropene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
trans-1,3-Dichloropropene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Ethylbenzene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Hexachlorobutadiene	ND	*	3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
2-Hexanone	ND		36		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Isopropylbenzene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
4-Isopropyltoluene	ND	*	3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Methylene Chloride	ND		7.1		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
4-Methyl-2-pentanone (MIBK)	ND		36		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Naphthalene	ND	*	7.1		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
N-Propylbenzene	ND	*	3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Styrene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
1,1,1,2-Tetrachloroethane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-8-1

Lab Sample ID: 720-62341-9

Date Collected: 01/13/15 13:38

Matrix: Solid

Date Received: 01/13/15 19:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND	*	3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Tetrachloroethene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Toluene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
1,2,3-Trichlorobenzene	ND	*	3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
1,2,4-Trichlorobenzene	ND	*	3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
1,1,1-Trichloroethane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
1,1,2-Trichloroethane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Trichloroethene	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Trichlorofluoromethane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
1,2,3-Trichloropropane	ND	*	3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
1,2,4-Trimethylbenzene	ND	*	3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
1,3,5-Trimethylbenzene	ND	*	3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Vinyl acetate	ND		14		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Vinyl chloride	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Xylenes, Total	ND		7.1		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
2,2-Dichloropropane	ND		3.6		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
Gasoline Range Organics (GRO)	ND		180		ug/Kg		01/13/15 21:50	01/15/15 13:29	1
-C5-C12									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	61		45 - 131				01/13/15 21:50	01/15/15 13:29	1
1,2-Dichloroethane-d4 (Surr)	98		60 - 140				01/13/15 21:50	01/15/15 13:29	1
Toluene-d8 (Surr)	87		58 - 140				01/13/15 21:50	01/15/15 13:29	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	18		0.98		mg/Kg		01/14/15 11:57	01/15/15 02:18	1
Motor Oil Range Organics [C24-C36]	64		49		mg/Kg		01/14/15 11:57	01/15/15 02:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	67		40 - 130				01/14/15 11:57	01/15/15 02:18	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1.2		0.44		mg/Kg		01/14/15 18:34	01/15/15 19:09	1
Arsenic	8.9		0.88		mg/Kg		01/14/15 18:34	01/15/15 19:09	1
Barium	140		0.44		mg/Kg		01/14/15 18:34	01/15/15 19:09	1
Beryllium	0.16		0.088		mg/Kg		01/14/15 18:34	01/15/15 19:09	1
Cadmium	0.97		0.11		mg/Kg		01/14/15 18:34	01/15/15 19:09	1
Chromium	27		0.44		mg/Kg		01/14/15 18:34	01/15/15 19:09	1
Cobalt	9.4		0.18		mg/Kg		01/14/15 18:34	01/15/15 19:09	1
Copper	27		1.3		mg/Kg		01/14/15 18:34	01/15/15 19:09	1
Lead	12		0.44		mg/Kg		01/14/15 18:34	01/15/15 19:09	1
Molybdenum	0.63		0.44		mg/Kg		01/14/15 18:34	01/15/15 19:09	1
Nickel	30		0.44		mg/Kg		01/14/15 18:34	01/15/15 19:09	1
Selenium	ND		0.88		mg/Kg		01/14/15 18:34	01/15/15 19:09	1
Silver	ND		0.22		mg/Kg		01/14/15 18:34	01/15/15 19:09	1
Thallium	ND		0.44		mg/Kg		01/14/15 18:34	01/15/15 19:09	1
Vanadium	36		0.44		mg/Kg		01/14/15 18:34	01/15/15 19:09	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-8-1

Date Collected: 01/13/15 13:38

Date Received: 01/13/15 19:00

Lab Sample ID: 720-62341-9

Matrix: Solid

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	54	B	1.3		mg/Kg		01/14/15 18:34	01/15/15 19:09	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.37		0.0092		mg/Kg		01/14/15 19:38	01/16/15 15:38	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-8-6

Lab Sample ID: 720-62341-10

Date Collected: 01/13/15 14:35

Matrix: Solid

Date Received: 01/13/15 19:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Acetone	ND		38		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Benzene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Dichlorobromomethane	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Bromobenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Chlorobromomethane	ND		15		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Bromoform	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Bromomethane	ND		7.5		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
2-Butanone (MEK)	ND		38		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
n-Butylbenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
sec-Butylbenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
tert-Butylbenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Carbon disulfide	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Carbon tetrachloride	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Chlorobenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Chloroethane	ND		7.5		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Chloroform	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Chloromethane	ND		7.5		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
2-Chlorotoluene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
4-Chlorotoluene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Chlorodibromomethane	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
1,2-Dichlorobenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
1,3-Dichlorobenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
1,4-Dichlorobenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
1,3-Dichloropropane	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
1,1-Dichloropropene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
1,2-Dibromo-3-Chloropropane	ND		7.5		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Ethylene Dibromide	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Dibromomethane	ND		7.5		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Dichlorodifluoromethane	ND		7.5		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
1,1-Dichloroethane	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
1,2-Dichloroethane	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
1,1-Dichloroethene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
cis-1,2-Dichloroethene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
trans-1,2-Dichloroethene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
1,2-Dichloropropane	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
cis-1,3-Dichloropropene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
trans-1,3-Dichloropropene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Ethylbenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Hexachlorobutadiene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
2-Hexanone	ND		38		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Isopropylbenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
4-Isopropyltoluene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Methylene Chloride	ND		7.5		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
4-Methyl-2-pentanone (MIBK)	ND		38		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Naphthalene	ND		7.5		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
N-Propylbenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Styrene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
1,1,1,2-Tetrachloroethane	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-8-6

Lab Sample ID: 720-62341-10

Date Collected: 01/13/15 14:35

Matrix: Solid

Date Received: 01/13/15 19:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Tetrachloroethene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Toluene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
1,2,3-Trichlorobenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
1,2,4-Trichlorobenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
1,1,1-Trichloroethane	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
1,1,2-Trichloroethane	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Trichloroethene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Trichlorofluoromethane	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
1,2,3-Trichloropropane	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
1,2,4-Trimethylbenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
1,3,5-Trimethylbenzene	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Vinyl acetate	ND		15		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Vinyl chloride	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Xylenes, Total	ND		7.5		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
2,2-Dichloropropane	ND		3.8		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
Gasoline Range Organics (GRO)	ND		190		ug/Kg		01/13/15 21:50	01/15/15 13:57	1
-C5-C12									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	84		45 - 131				01/13/15 21:50	01/15/15 13:57	1
1,2-Dichloroethane-d4 (Surr)	93		60 - 140				01/13/15 21:50	01/15/15 13:57	1
Toluene-d8 (Surr)	90		58 - 140				01/13/15 21:50	01/15/15 13:57	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	2.5		0.99		mg/Kg		01/14/15 11:57	01/14/15 23:24	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		01/14/15 11:57	01/14/15 23:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	92		40 - 130				01/14/15 11:57	01/14/15 23:24	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.38		mg/Kg		01/14/15 18:34	01/16/15 20:03	1
Arsenic	3.0		0.76		mg/Kg		01/14/15 18:34	01/15/15 19:15	1
Barium	86		0.38		mg/Kg		01/14/15 18:34	01/15/15 19:15	1
Beryllium	0.27		0.076		mg/Kg		01/14/15 18:34	01/15/15 19:15	1
Cadmium	ND		0.095		mg/Kg		01/14/15 18:34	01/15/15 19:15	1
Chromium	25		0.38		mg/Kg		01/14/15 18:34	01/15/15 19:15	1
Cobalt	6.2		0.15		mg/Kg		01/14/15 18:34	01/15/15 19:15	1
Copper	14		1.1		mg/Kg		01/14/15 18:34	01/15/15 19:15	1
Lead	4.0		0.38		mg/Kg		01/14/15 18:34	01/15/15 19:15	1
Molybdenum	0.83		0.38		mg/Kg		01/14/15 18:34	01/15/15 19:15	1
Nickel	29		0.38		mg/Kg		01/14/15 18:34	01/15/15 19:15	1
Selenium	ND		0.76		mg/Kg		01/14/15 18:34	01/15/15 19:15	1
Silver	ND		0.19		mg/Kg		01/14/15 18:34	01/15/15 19:15	1
Thallium	ND		0.38		mg/Kg		01/14/15 18:34	01/15/15 19:15	1
Vanadium	24		0.38		mg/Kg		01/14/15 18:34	01/15/15 19:15	1
Zinc	37 B		1.1		mg/Kg		01/14/15 18:34	01/15/15 19:15	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-8-6

Lab Sample ID: 720-62341-10

Date Collected: 01/13/15 14:35

Matrix: Solid

Date Received: 01/13/15 19:00

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.0094		mg/Kg		01/14/15 19:38	01/16/15 15:41	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-5

Lab Sample ID: 720-62341-11

Date Collected: 01/13/15 13:10

Matrix: Water

Date Received: 01/13/15 19:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			01/16/15 21:04	1
Acetone	ND		50		ug/L			01/16/15 21:04	1
Benzene	ND		0.50		ug/L			01/16/15 21:04	1
Dichlorobromomethane	ND		0.50		ug/L			01/16/15 21:04	1
Bromobenzene	ND		1.0		ug/L			01/16/15 21:04	1
Chlorobromomethane	ND		1.0		ug/L			01/16/15 21:04	1
Bromoform	ND		1.0		ug/L			01/16/15 21:04	1
Bromomethane	ND		1.0		ug/L			01/16/15 21:04	1
2-Butanone (MEK)	ND		50		ug/L			01/16/15 21:04	1
n-Butylbenzene	ND		1.0		ug/L			01/16/15 21:04	1
sec-Butylbenzene	ND		1.0		ug/L			01/16/15 21:04	1
tert-Butylbenzene	ND		1.0		ug/L			01/16/15 21:04	1
Carbon disulfide	ND		5.0		ug/L			01/16/15 21:04	1
Carbon tetrachloride	ND		0.50		ug/L			01/16/15 21:04	1
Chlorobenzene	ND		0.50		ug/L			01/16/15 21:04	1
Chloroethane	ND		1.0		ug/L			01/16/15 21:04	1
Chloroform	ND		1.0		ug/L			01/16/15 21:04	1
Chloromethane	ND		1.0		ug/L			01/16/15 21:04	1
2-Chlorotoluene	ND		0.50		ug/L			01/16/15 21:04	1
4-Chlorotoluene	ND		0.50		ug/L			01/16/15 21:04	1
Chlorodibromomethane	ND		0.50		ug/L			01/16/15 21:04	1
1,2-Dichlorobenzene	ND		0.50		ug/L			01/16/15 21:04	1
1,3-Dichlorobenzene	ND		0.50		ug/L			01/16/15 21:04	1
1,4-Dichlorobenzene	ND		0.50		ug/L			01/16/15 21:04	1
1,3-Dichloropropane	ND		1.0		ug/L			01/16/15 21:04	1
1,1-Dichloropropene	ND		0.50		ug/L			01/16/15 21:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			01/16/15 21:04	1
Ethylene Dibromide	ND		0.50		ug/L			01/16/15 21:04	1
Dibromomethane	ND		0.50		ug/L			01/16/15 21:04	1
Dichlorodifluoromethane	ND		0.50		ug/L			01/16/15 21:04	1
1,1-Dichloroethane	ND		0.50		ug/L			01/16/15 21:04	1
1,2-Dichloroethane	ND		0.50		ug/L			01/16/15 21:04	1
1,1-Dichloroethene	ND		0.50		ug/L			01/16/15 21:04	1
cis-1,2-Dichloroethene	2.1		0.50		ug/L			01/16/15 21:04	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			01/16/15 21:04	1
1,2-Dichloropropane	ND		0.50		ug/L			01/16/15 21:04	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			01/16/15 21:04	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			01/16/15 21:04	1
Ethylbenzene	ND		0.50		ug/L			01/16/15 21:04	1
Hexachlorobutadiene	ND		1.0		ug/L			01/16/15 21:04	1
2-Hexanone	ND		50		ug/L			01/16/15 21:04	1
Isopropylbenzene	ND		0.50		ug/L			01/16/15 21:04	1
4-Isopropyltoluene	ND		1.0		ug/L			01/16/15 21:04	1
Methylene Chloride	ND		5.0		ug/L			01/16/15 21:04	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			01/16/15 21:04	1
Naphthalene	ND		1.0		ug/L			01/16/15 21:04	1
N-Propylbenzene	ND		1.0		ug/L			01/16/15 21:04	1
Styrene	ND		0.50		ug/L			01/16/15 21:04	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			01/16/15 21:04	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-5

Lab Sample ID: 720-62341-11

Date Collected: 01/13/15 13:10

Matrix: Water

Date Received: 01/13/15 19:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			01/16/15 21:04	1
Tetrachloroethene	44		0.50		ug/L			01/16/15 21:04	1
Toluene	ND		0.50		ug/L			01/16/15 21:04	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			01/16/15 21:04	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			01/16/15 21:04	1
1,1,1-Trichloroethane	ND		0.50		ug/L			01/16/15 21:04	1
1,1,2-Trichloroethane	ND		0.50		ug/L			01/16/15 21:04	1
Trichloroethene	19		0.50		ug/L			01/16/15 21:04	1
Trichlorofluoromethane	ND		1.0		ug/L			01/16/15 21:04	1
1,2,3-Trichloropropane	ND		0.50		ug/L			01/16/15 21:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			01/16/15 21:04	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			01/16/15 21:04	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			01/16/15 21:04	1
Vinyl acetate	ND		10		ug/L			01/16/15 21:04	1
Vinyl chloride	ND		0.50		ug/L			01/16/15 21:04	1
Xylenes, Total	ND		1.0		ug/L			01/16/15 21:04	1
2,2-Dichloropropane	ND		0.50		ug/L			01/16/15 21:04	1
Gasoline Range Organics (GRO)	53		50		ug/L			01/16/15 21:04	1
-C5-C12									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		67 - 130					01/16/15 21:04	1
1,2-Dichloroethane-d4 (Surr)	103		72 - 130					01/16/15 21:04	1
Toluene-d8 (Surr)	100		70 - 130					01/16/15 21:04	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	93		51		ug/L		01/15/15 10:28	01/16/15 12:15	1
Motor Oil Range Organics [C24-C36]	130		100		ug/L		01/15/15 10:28	01/16/15 12:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	93		23 - 156				01/15/15 10:28	01/16/15 12:15	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		01/14/15 13:55	01/14/15 16:12	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-6

Lab Sample ID: 720-62341-12

Date Collected: 01/13/15 13:23

Matrix: Water

Date Received: 01/13/15 19:00

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		01/14/15 13:55	01/14/15 16:17	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-7

Lab Sample ID: 720-62341-13

Date Collected: 01/13/15 14:30

Matrix: Water

Date Received: 01/13/15 19:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.91		0.50		ug/L			01/16/15 17:07	1
Acetone	ND		50		ug/L			01/16/15 17:07	1
Benzene	ND		0.50		ug/L			01/16/15 17:07	1
Dichlorobromomethane	ND		0.50		ug/L			01/16/15 17:07	1
Bromobenzene	ND		1.0		ug/L			01/16/15 17:07	1
Chlorobromomethane	ND		1.0		ug/L			01/16/15 17:07	1
Bromoform	ND		1.0		ug/L			01/16/15 17:07	1
Bromomethane	ND		1.0		ug/L			01/16/15 17:07	1
2-Butanone (MEK)	ND		50		ug/L			01/16/15 17:07	1
n-Butylbenzene	ND		1.0		ug/L			01/16/15 17:07	1
sec-Butylbenzene	ND		1.0		ug/L			01/16/15 17:07	1
tert-Butylbenzene	ND		1.0		ug/L			01/16/15 17:07	1
Carbon disulfide	ND		5.0		ug/L			01/16/15 17:07	1
Carbon tetrachloride	ND		0.50		ug/L			01/16/15 17:07	1
Chlorobenzene	ND		0.50		ug/L			01/16/15 17:07	1
Chloroethane	ND		1.0		ug/L			01/16/15 17:07	1
Chloroform	ND		1.0		ug/L			01/16/15 17:07	1
Chloromethane	ND		1.0		ug/L			01/16/15 17:07	1
2-Chlorotoluene	ND		0.50		ug/L			01/16/15 17:07	1
4-Chlorotoluene	ND		0.50		ug/L			01/16/15 17:07	1
Chlorodibromomethane	ND		0.50		ug/L			01/16/15 17:07	1
1,2-Dichlorobenzene	ND		0.50		ug/L			01/16/15 17:07	1
1,3-Dichlorobenzene	ND		0.50		ug/L			01/16/15 17:07	1
1,4-Dichlorobenzene	ND		0.50		ug/L			01/16/15 17:07	1
1,3-Dichloropropane	ND		1.0		ug/L			01/16/15 17:07	1
1,1-Dichloropropene	ND		0.50		ug/L			01/16/15 17:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			01/16/15 17:07	1
Ethylene Dibromide	ND		0.50		ug/L			01/16/15 17:07	1
Dibromomethane	ND		0.50		ug/L			01/16/15 17:07	1
Dichlorodifluoromethane	ND		0.50		ug/L			01/16/15 17:07	1
1,1-Dichloroethane	ND		0.50		ug/L			01/16/15 17:07	1
1,2-Dichloroethane	ND		0.50		ug/L			01/16/15 17:07	1
1,1-Dichloroethene	ND		0.50		ug/L			01/16/15 17:07	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			01/16/15 17:07	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			01/16/15 17:07	1
1,2-Dichloropropane	ND		0.50		ug/L			01/16/15 17:07	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			01/16/15 17:07	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			01/16/15 17:07	1
Ethylbenzene	ND		0.50		ug/L			01/16/15 17:07	1
Hexachlorobutadiene	ND		1.0		ug/L			01/16/15 17:07	1
2-Hexanone	ND		50		ug/L			01/16/15 17:07	1
Isopropylbenzene	ND		0.50		ug/L			01/16/15 17:07	1
4-Isopropyltoluene	ND		1.0		ug/L			01/16/15 17:07	1
Methylene Chloride	ND		5.0		ug/L			01/16/15 17:07	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			01/16/15 17:07	1
Naphthalene	ND		1.0		ug/L			01/16/15 17:07	1
N-Propylbenzene	ND		1.0		ug/L			01/16/15 17:07	1
Styrene	ND		0.50		ug/L			01/16/15 17:07	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			01/16/15 17:07	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-7

Lab Sample ID: 720-62341-13

Date Collected: 01/13/15 14:30

Matrix: Water

Date Received: 01/13/15 19:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			01/16/15 17:07	1
Tetrachloroethene	ND		0.50		ug/L			01/16/15 17:07	1
Toluene	ND		0.50		ug/L			01/16/15 17:07	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			01/16/15 17:07	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			01/16/15 17:07	1
1,1,1-Trichloroethane	ND		0.50		ug/L			01/16/15 17:07	1
1,1,2-Trichloroethane	ND		0.50		ug/L			01/16/15 17:07	1
Trichloroethene	ND		0.50		ug/L			01/16/15 17:07	1
Trichlorofluoromethane	ND		1.0		ug/L			01/16/15 17:07	1
1,2,3-Trichloropropane	ND		0.50		ug/L			01/16/15 17:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			01/16/15 17:07	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			01/16/15 17:07	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			01/16/15 17:07	1
Vinyl acetate	ND		10		ug/L			01/16/15 17:07	1
Vinyl chloride	ND		0.50		ug/L			01/16/15 17:07	1
Xylenes, Total	ND		1.0		ug/L			01/16/15 17:07	1
2,2-Dichloropropane	ND		0.50		ug/L			01/16/15 17:07	1
Gasoline Range Organics (GRO)	ND		50		ug/L			01/16/15 17:07	1
-C5-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		67 - 130		01/16/15 17:07	1
1,2-Dichloroethane-d4 (Surr)	101		72 - 130		01/16/15 17:07	1
Toluene-d8 (Surr)	99		70 - 130		01/16/15 17:07	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	250		68		ug/L		01/15/15 10:28	01/16/15 12:40	1
Motor Oil Range Organics [C24-C36]	230		140		ug/L		01/15/15 10:28	01/16/15 12:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	103		23 - 156	01/15/15 10:28	01/16/15 12:40	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		01/14/15 13:55	01/14/15 16:22	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-8

Lab Sample ID: 720-62341-14

Date Collected: 01/13/15 14:40

Matrix: Water

Date Received: 01/13/15 19:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			01/16/15 17:37	1
Acetone	ND		50		ug/L			01/16/15 17:37	1
Benzene	ND		0.50		ug/L			01/16/15 17:37	1
Dichlorobromomethane	ND		0.50		ug/L			01/16/15 17:37	1
Bromobenzene	ND		1.0		ug/L			01/16/15 17:37	1
Chlorobromomethane	ND		1.0		ug/L			01/16/15 17:37	1
Bromoform	ND		1.0		ug/L			01/16/15 17:37	1
Bromomethane	ND		1.0		ug/L			01/16/15 17:37	1
2-Butanone (MEK)	ND		50		ug/L			01/16/15 17:37	1
n-Butylbenzene	ND		1.0		ug/L			01/16/15 17:37	1
sec-Butylbenzene	ND		1.0		ug/L			01/16/15 17:37	1
tert-Butylbenzene	ND		1.0		ug/L			01/16/15 17:37	1
Carbon disulfide	ND		5.0		ug/L			01/16/15 17:37	1
Carbon tetrachloride	ND		0.50		ug/L			01/16/15 17:37	1
Chlorobenzene	ND		0.50		ug/L			01/16/15 17:37	1
Chloroethane	ND		1.0		ug/L			01/16/15 17:37	1
Chloroform	ND		1.0		ug/L			01/16/15 17:37	1
Chloromethane	ND		1.0		ug/L			01/16/15 17:37	1
2-Chlorotoluene	ND		0.50		ug/L			01/16/15 17:37	1
4-Chlorotoluene	ND		0.50		ug/L			01/16/15 17:37	1
Chlorodibromomethane	ND		0.50		ug/L			01/16/15 17:37	1
1,2-Dichlorobenzene	ND		0.50		ug/L			01/16/15 17:37	1
1,3-Dichlorobenzene	ND		0.50		ug/L			01/16/15 17:37	1
1,4-Dichlorobenzene	ND		0.50		ug/L			01/16/15 17:37	1
1,3-Dichloropropane	ND		1.0		ug/L			01/16/15 17:37	1
1,1-Dichloropropene	ND		0.50		ug/L			01/16/15 17:37	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			01/16/15 17:37	1
Ethylene Dibromide	ND		0.50		ug/L			01/16/15 17:37	1
Dibromomethane	ND		0.50		ug/L			01/16/15 17:37	1
Dichlorodifluoromethane	ND		0.50		ug/L			01/16/15 17:37	1
1,1-Dichloroethane	ND		0.50		ug/L			01/16/15 17:37	1
1,2-Dichloroethane	ND		0.50		ug/L			01/16/15 17:37	1
1,1-Dichloroethene	ND		0.50		ug/L			01/16/15 17:37	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			01/16/15 17:37	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			01/16/15 17:37	1
1,2-Dichloropropane	ND		0.50		ug/L			01/16/15 17:37	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			01/16/15 17:37	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			01/16/15 17:37	1
Ethylbenzene	ND		0.50		ug/L			01/16/15 17:37	1
Hexachlorobutadiene	ND		1.0		ug/L			01/16/15 17:37	1
2-Hexanone	ND		50		ug/L			01/16/15 17:37	1
Isopropylbenzene	ND		0.50		ug/L			01/16/15 17:37	1
4-Isopropyltoluene	ND		1.0		ug/L			01/16/15 17:37	1
Methylene Chloride	ND		5.0		ug/L			01/16/15 17:37	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			01/16/15 17:37	1
Naphthalene	ND		1.0		ug/L			01/16/15 17:37	1
N-Propylbenzene	ND		1.0		ug/L			01/16/15 17:37	1
Styrene	ND		0.50		ug/L			01/16/15 17:37	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			01/16/15 17:37	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-8

Lab Sample ID: 720-62341-14

Date Collected: 01/13/15 14:40

Matrix: Water

Date Received: 01/13/15 19:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			01/16/15 17:37	1
Tetrachloroethene	ND		0.50		ug/L			01/16/15 17:37	1
Toluene	ND		0.50		ug/L			01/16/15 17:37	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			01/16/15 17:37	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			01/16/15 17:37	1
1,1,1-Trichloroethane	ND		0.50		ug/L			01/16/15 17:37	1
1,1,2-Trichloroethane	ND		0.50		ug/L			01/16/15 17:37	1
Trichloroethene	ND		0.50		ug/L			01/16/15 17:37	1
Trichlorofluoromethane	ND		1.0		ug/L			01/16/15 17:37	1
1,2,3-Trichloropropane	ND		0.50		ug/L			01/16/15 17:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			01/16/15 17:37	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			01/16/15 17:37	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			01/16/15 17:37	1
Vinyl acetate	ND		10		ug/L			01/16/15 17:37	1
Vinyl chloride	ND		0.50		ug/L			01/16/15 17:37	1
Xylenes, Total	ND		1.0		ug/L			01/16/15 17:37	1
2,2-Dichloropropane	ND		0.50		ug/L			01/16/15 17:37	1
Gasoline Range Organics (GRO)	ND		50		ug/L			01/16/15 17:37	1
-C5-C12									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		67 - 130		01/16/15 17:37	1
1,2-Dichloroethane-d4 (Surr)	102		72 - 130		01/16/15 17:37	1
Toluene-d8 (Surr)	99		70 - 130		01/16/15 17:37	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	100		80		ug/L		01/15/15 10:28	01/16/15 13:04	1
Motor Oil Range Organics [C24-C36]	ND		160		ug/L		01/15/15 10:28	01/16/15 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	104		23 - 156	01/15/15 10:28	01/16/15 13:04	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		01/14/15 13:55	01/14/15 16:27	1

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-174126/4

Matrix: Solid

Analysis Batch: 174126

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg			01/14/15 18:03	1
Acetone	ND		50		ug/Kg			01/14/15 18:03	1
Benzene	ND		5.0		ug/Kg			01/14/15 18:03	1
Dichlorobromomethane	ND		5.0		ug/Kg			01/14/15 18:03	1
Bromobenzene	ND		5.0		ug/Kg			01/14/15 18:03	1
Chlorobromomethane	ND		20		ug/Kg			01/14/15 18:03	1
Bromoform	ND		5.0		ug/Kg			01/14/15 18:03	1
Bromomethane	ND		10		ug/Kg			01/14/15 18:03	1
2-Butanone (MEK)	ND		50		ug/Kg			01/14/15 18:03	1
n-Butylbenzene	ND		5.0		ug/Kg			01/14/15 18:03	1
sec-Butylbenzene	ND		5.0		ug/Kg			01/14/15 18:03	1
tert-Butylbenzene	ND		5.0		ug/Kg			01/14/15 18:03	1
Carbon disulfide	ND		5.0		ug/Kg			01/14/15 18:03	1
Carbon tetrachloride	ND		5.0		ug/Kg			01/14/15 18:03	1
Chlorobenzene	ND		5.0		ug/Kg			01/14/15 18:03	1
Chloroethane	ND		10		ug/Kg			01/14/15 18:03	1
Chloroform	ND		5.0		ug/Kg			01/14/15 18:03	1
Chloromethane	ND		10		ug/Kg			01/14/15 18:03	1
2-Chlorotoluene	ND		5.0		ug/Kg			01/14/15 18:03	1
4-Chlorotoluene	ND		5.0		ug/Kg			01/14/15 18:03	1
Chlorodibromomethane	ND		5.0		ug/Kg			01/14/15 18:03	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg			01/14/15 18:03	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg			01/14/15 18:03	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg			01/14/15 18:03	1
1,3-Dichloropropane	ND		5.0		ug/Kg			01/14/15 18:03	1
1,1-Dichloropropene	ND		5.0		ug/Kg			01/14/15 18:03	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			01/14/15 18:03	1
Ethylene Dibromide	ND		5.0		ug/Kg			01/14/15 18:03	1
Dibromomethane	ND		10		ug/Kg			01/14/15 18:03	1
Dichlorodifluoromethane	ND		10		ug/Kg			01/14/15 18:03	1
1,1-Dichloroethane	ND		5.0		ug/Kg			01/14/15 18:03	1
1,2-Dichloroethane	ND		5.0		ug/Kg			01/14/15 18:03	1
1,1-Dichloroethene	ND		5.0		ug/Kg			01/14/15 18:03	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			01/14/15 18:03	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg			01/14/15 18:03	1
1,2-Dichloropropane	ND		5.0		ug/Kg			01/14/15 18:03	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg			01/14/15 18:03	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg			01/14/15 18:03	1
Ethylbenzene	ND		5.0		ug/Kg			01/14/15 18:03	1
Hexachlorobutadiene	ND		5.0		ug/Kg			01/14/15 18:03	1
2-Hexanone	ND		50		ug/Kg			01/14/15 18:03	1
Isopropylbenzene	ND		5.0		ug/Kg			01/14/15 18:03	1
4-Isopropyltoluene	ND		5.0		ug/Kg			01/14/15 18:03	1
Methylene Chloride	ND		10		ug/Kg			01/14/15 18:03	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg			01/14/15 18:03	1
Naphthalene	ND		10		ug/Kg			01/14/15 18:03	1
N-Propylbenzene	ND		5.0		ug/Kg			01/14/15 18:03	1
Styrene	ND		5.0		ug/Kg			01/14/15 18:03	1

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-174126/4

Matrix: Solid

Analysis Batch: 174126

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			01/14/15 18:03	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg			01/14/15 18:03	1
Tetrachloroethene	ND		5.0		ug/Kg			01/14/15 18:03	1
Toluene	ND		5.0		ug/Kg			01/14/15 18:03	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			01/14/15 18:03	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			01/14/15 18:03	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg			01/14/15 18:03	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg			01/14/15 18:03	1
Trichloroethene	ND		5.0		ug/Kg			01/14/15 18:03	1
Trichlorofluoromethane	ND		5.0		ug/Kg			01/14/15 18:03	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg			01/14/15 18:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg			01/14/15 18:03	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg			01/14/15 18:03	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg			01/14/15 18:03	1
Vinyl acetate	ND		20		ug/Kg			01/14/15 18:03	1
Vinyl chloride	ND		5.0		ug/Kg			01/14/15 18:03	1
Xylenes, Total	ND		10		ug/Kg			01/14/15 18:03	1
2,2-Dichloropropane	ND		5.0		ug/Kg			01/14/15 18:03	1
Gasoline Range Organics (GRO)	ND		250		ug/Kg			01/14/15 18:03	1
-C5-C12									

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		45 - 131		01/14/15 18:03	1
1,2-Dichloroethane-d4 (Surr)	103		60 - 140		01/14/15 18:03	1
Toluene-d8 (Surr)	98		58 - 140		01/14/15 18:03	1

Lab Sample ID: LCS 720-174126/5

Matrix: Solid

Analysis Batch: 174126

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	50.6		ug/Kg		101	70 - 144
Acetone	250	235		ug/Kg		94	30 - 162
Benzene	50.0	50.4		ug/Kg		101	70 - 130
Dichlorobromomethane	50.0	53.9		ug/Kg		108	70 - 131
Bromobenzene	50.0	51.7		ug/Kg		103	70 - 130
Chlorobromomethane	50.0	52.5		ug/Kg		105	70 - 130
Bromoform	50.0	59.9		ug/Kg		120	59 - 158
Bromomethane	50.0	57.3		ug/Kg		115	59 - 132
2-Butanone (MEK)	250	256		ug/Kg		103	53 - 124
n-Butylbenzene	50.0	50.9		ug/Kg		102	70 - 142
sec-Butylbenzene	50.0	51.1		ug/Kg		102	70 - 136
tert-Butylbenzene	50.0	50.0		ug/Kg		100	70 - 130
Carbon disulfide	50.0	51.1		ug/Kg		102	60 - 140
Carbon tetrachloride	50.0	58.6		ug/Kg		117	70 - 138
Chlorobenzene	50.0	50.9		ug/Kg		102	70 - 130
Chloroethane	50.0	52.9		ug/Kg		106	65 - 130
Chloroform	50.0	51.3		ug/Kg		103	77 - 127

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-174126/5

Matrix: Solid

Analysis Batch: 174126

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	50.0	52.0		ug/Kg		104	55 - 140
2-Chlorotoluene	50.0	49.4		ug/Kg		99	70 - 138
4-Chlorotoluene	50.0	49.7		ug/Kg		99	70 - 136
Chlorodibromomethane	50.0	57.2		ug/Kg		114	70 - 146
1,2-Dichlorobenzene	50.0	51.3		ug/Kg		103	70 - 130
1,3-Dichlorobenzene	50.0	51.4		ug/Kg		103	70 - 131
1,4-Dichlorobenzene	50.0	51.8		ug/Kg		104	70 - 130
1,3-Dichloropropane	50.0	51.8		ug/Kg		104	70 - 140
1,1-Dichloropropene	50.0	55.3		ug/Kg		111	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	53.5		ug/Kg		107	60 - 145
Ethylene Dibromide	50.0	53.6		ug/Kg		107	70 - 140
Dibromomethane	50.0	51.7		ug/Kg		103	70 - 139
Dichlorodifluoromethane	50.0	47.7		ug/Kg		95	37 - 158
1,1-Dichloroethane	50.0	51.8		ug/Kg		104	70 - 130
1,2-Dichloroethane	50.0	52.2		ug/Kg		104	70 - 130
1,1-Dichloroethene	50.0	47.8		ug/Kg		96	76 - 122
cis-1,2-Dichloroethene	50.0	51.0		ug/Kg		102	70 - 138
trans-1,2-Dichloroethene	50.0	52.1		ug/Kg		104	67 - 130
1,2-Dichloropropane	50.0	51.8		ug/Kg		104	73 - 127
cis-1,3-Dichloropropene	50.0	55.3		ug/Kg		111	68 - 147
trans-1,3-Dichloropropene	50.0	61.5		ug/Kg		123	70 - 136
Ethylbenzene	50.0	50.5		ug/Kg		101	80 - 137
Hexachlorobutadiene	50.0	46.8		ug/Kg		94	70 - 132
2-Hexanone	250	243		ug/Kg		97	44 - 133
Isopropylbenzene	50.0	51.3		ug/Kg		103	70 - 130
4-Isopropyltoluene	50.0	50.4		ug/Kg		101	70 - 133
Methylene Chloride	50.0	52.5		ug/Kg		105	70 - 134
4-Methyl-2-pentanone (MIBK)	250	250		ug/Kg		100	60 - 160
Naphthalene	50.0	48.2		ug/Kg		96	60 - 147
N-Propylbenzene	50.0	50.8		ug/Kg		102	70 - 130
Styrene	50.0	51.2		ug/Kg		102	70 - 130
1,1,1,2-Tetrachloroethane	50.0	53.5		ug/Kg		107	70 - 130
1,1,2,2-Tetrachloroethane	50.0	52.6		ug/Kg		105	70 - 146
Tetrachloroethene	50.0	52.7		ug/Kg		105	70 - 132
Toluene	50.0	49.5		ug/Kg		99	80 - 128
1,2,3-Trichlorobenzene	50.0	46.7		ug/Kg		93	60 - 140
1,2,4-Trichlorobenzene	50.0	50.2		ug/Kg		100	60 - 140
1,1,1-Trichloroethane	50.0	54.3		ug/Kg		109	70 - 130
1,1,2-Trichloroethane	50.0	52.3		ug/Kg		105	70 - 130
Trichloroethene	50.0	53.0		ug/Kg		106	70 - 133
Trichlorofluoromethane	50.0	62.5		ug/Kg		125	60 - 140
1,2,3-Trichloropropane	50.0	51.0		ug/Kg		102	70 - 146
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	50.8		ug/Kg		102	60 - 140
1,2,4-Trimethylbenzene	50.0	50.3		ug/Kg		101	70 - 130
1,3,5-Trimethylbenzene	50.0	50.7		ug/Kg		101	70 - 131
Vinyl acetate	50.0	54.6		ug/Kg		109	38 - 176
Vinyl chloride	50.0	50.2		ug/Kg		100	58 - 125

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-174126/5

Matrix: Solid

Analysis Batch: 174126

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	50.0	50.4		ug/Kg		101	70 - 146
o-Xylene	50.0	51.1		ug/Kg		102	70 - 140
2,2-Dichloropropane	50.0	52.8		ug/Kg		106	70 - 162

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	100		45 - 131
1,2-Dichloroethane-d4 (Surr)	93		60 - 140
Toluene-d8 (Surr)	99		58 - 140

Lab Sample ID: LCS 720-174126/7

Matrix: Solid

Analysis Batch: 174126

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)	1000	1010		ug/Kg		101	61 - 128
-C5-C12							

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	99		45 - 131
1,2-Dichloroethane-d4 (Surr)	103		60 - 140
Toluene-d8 (Surr)	99		58 - 140

Lab Sample ID: LCSD 720-174126/6

Matrix: Solid

Analysis Batch: 174126

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	54.9		ug/Kg		110	70 - 144	8	20
Acetone	250	273		ug/Kg		109	30 - 162	15	30
Benzene	50.0	49.9		ug/Kg		100	70 - 130	1	20
Dichlorobromomethane	50.0	53.5		ug/Kg		107	70 - 131	1	20
Bromobenzene	50.0	52.2		ug/Kg		104	70 - 130	1	20
Chlorobromomethane	50.0	54.8		ug/Kg		110	70 - 130	4	20
Bromoform	50.0	61.7		ug/Kg		123	59 - 158	3	20
Bromomethane	50.0	56.1		ug/Kg		112	59 - 132	2	20
2-Butanone (MEK)	250	279		ug/Kg		112	53 - 124	9	20
n-Butylbenzene	50.0	48.1		ug/Kg		96	70 - 142	6	20
sec-Butylbenzene	50.0	49.2		ug/Kg		98	70 - 136	4	20
tert-Butylbenzene	50.0	48.6		ug/Kg		97	70 - 130	3	20
Carbon disulfide	50.0	49.3		ug/Kg		99	60 - 140	4	20
Carbon tetrachloride	50.0	56.8		ug/Kg		114	70 - 138	3	20
Chlorobenzene	50.0	49.7		ug/Kg		99	70 - 130	2	20
Chloroethane	50.0	51.4		ug/Kg		103	65 - 130	3	20
Chloroform	50.0	51.2		ug/Kg		102	77 - 127	0	20
Chloromethane	50.0	49.5		ug/Kg		99	55 - 140	5	20
2-Chlorotoluene	50.0	48.9		ug/Kg		98	70 - 138	1	20
4-Chlorotoluene	50.0	49.2		ug/Kg		98	70 - 136	1	20
Chlorodibromomethane	50.0	60.3		ug/Kg		121	70 - 146	5	20

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-174126/6

Matrix: Solid

Analysis Batch: 174126

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichlorobenzene	50.0	50.2		ug/Kg		100	70 - 130	2	20
1,3-Dichlorobenzene	50.0	50.1		ug/Kg		100	70 - 131	2	20
1,4-Dichlorobenzene	50.0	49.8		ug/Kg		100	70 - 130	4	20
1,3-Dichloropropane	50.0	53.8		ug/Kg		108	70 - 140	4	20
1,1-Dichloropropene	50.0	54.2		ug/Kg		108	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	50.0	56.3		ug/Kg		113	60 - 145	5	20
Ethylene Dibromide	50.0	57.0		ug/Kg		114	70 - 140	6	20
Dibromomethane	50.0	54.3		ug/Kg		109	70 - 139	5	20
Dichlorodifluoromethane	50.0	46.3		ug/Kg		93	37 - 158	3	20
1,1-Dichloroethane	50.0	51.4		ug/Kg		103	70 - 130	1	20
1,2-Dichloroethane	50.0	52.8		ug/Kg		106	70 - 130	1	20
1,1-Dichloroethene	50.0	45.8		ug/Kg		92	76 - 122	4	20
cis-1,2-Dichloroethene	50.0	51.0		ug/Kg		102	70 - 138	0	20
trans-1,2-Dichloroethene	50.0	50.4		ug/Kg		101	67 - 130	3	20
1,2-Dichloropropane	50.0	52.0		ug/Kg		104	73 - 127	0	20
cis-1,3-Dichloropropene	50.0	56.0		ug/Kg		112	68 - 147	1	20
trans-1,3-Dichloropropene	50.0	63.1		ug/Kg		126	70 - 136	3	20
Ethylbenzene	50.0	48.8		ug/Kg		98	80 - 137	3	20
Hexachlorobutadiene	50.0	43.1		ug/Kg		86	70 - 132	8	20
2-Hexanone	250	278		ug/Kg		111	44 - 133	14	20
Isopropylbenzene	50.0	49.0		ug/Kg		98	70 - 130	5	20
4-Isopropyltoluene	50.0	48.4		ug/Kg		97	70 - 133	4	20
Methylene Chloride	50.0	52.3		ug/Kg		105	70 - 134	0	20
4-Methyl-2-pentanone (MIBK)	250	282		ug/Kg		113	60 - 160	12	20
Naphthalene	50.0	47.8		ug/Kg		96	60 - 147	1	20
N-Propylbenzene	50.0	50.1		ug/Kg		100	70 - 130	1	20
Styrene	50.0	50.3		ug/Kg		101	70 - 130	2	20
1,1,1,2-Tetrachloroethane	50.0	53.6		ug/Kg		107	70 - 130	0	20
1,1,1,2,2-Tetrachloroethane	50.0	56.4		ug/Kg		113	70 - 146	7	20
Tetrachloroethene	50.0	52.6		ug/Kg		105	70 - 132	0	20
Toluene	50.0	48.9		ug/Kg		98	80 - 128	1	20
1,2,3-Trichlorobenzene	50.0	44.3		ug/Kg		89	60 - 140	5	20
1,2,4-Trichlorobenzene	50.0	47.3		ug/Kg		95	60 - 140	6	20
1,1,1-Trichloroethane	50.0	52.6		ug/Kg		105	70 - 130	3	20
1,1,2-Trichloroethane	50.0	54.5		ug/Kg		109	70 - 130	4	20
Trichloroethene	50.0	52.0		ug/Kg		104	70 - 133	2	20
Trichlorofluoromethane	50.0	60.0		ug/Kg		120	60 - 140	4	20
1,2,3-Trichloropropane	50.0	55.4		ug/Kg		111	70 - 146	8	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	48.1		ug/Kg		96	60 - 140	5	20
1,2,4-Trimethylbenzene	50.0	48.8		ug/Kg		98	70 - 130	3	20
1,3,5-Trimethylbenzene	50.0	49.5		ug/Kg		99	70 - 131	2	20
Vinyl acetate	50.0	55.7		ug/Kg		111	38 - 176	2	20
Vinyl chloride	50.0	47.8		ug/Kg		96	58 - 125	5	20
m-Xylene & p-Xylene	50.0	48.9		ug/Kg		98	70 - 146	3	20
o-Xylene	50.0	49.8		ug/Kg		100	70 - 140	2	20
2,2-Dichloropropane	50.0	51.1		ug/Kg		102	70 - 162	3	20

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-174126/6

Matrix: Solid

Analysis Batch: 174126

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	98		45 - 131
1,2-Dichloroethane-d4 (Surr)	98		60 - 140
Toluene-d8 (Surr)	101		58 - 140

Lab Sample ID: LCSD 720-174126/8

Matrix: Solid

Analysis Batch: 174126

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)	1000	1040		ug/Kg		104	61 - 128	3	20
-C5-C12									

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	97		45 - 131
1,2-Dichloroethane-d4 (Surr)	100		60 - 140
Toluene-d8 (Surr)	100		58 - 140

Lab Sample ID: MB 720-174153/4

Matrix: Solid

Analysis Batch: 174153

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg			01/15/15 09:40	1
Acetone	ND		50		ug/Kg			01/15/15 09:40	1
Benzene	ND		5.0		ug/Kg			01/15/15 09:40	1
Dichlorobromomethane	ND		5.0		ug/Kg			01/15/15 09:40	1
Bromobenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
Chlorobromomethane	ND		20		ug/Kg			01/15/15 09:40	1
Bromoform	ND		5.0		ug/Kg			01/15/15 09:40	1
Bromomethane	ND		10		ug/Kg			01/15/15 09:40	1
2-Butanone (MEK)	ND		50		ug/Kg			01/15/15 09:40	1
n-Butylbenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
sec-Butylbenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
tert-Butylbenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
Carbon disulfide	ND		5.0		ug/Kg			01/15/15 09:40	1
Carbon tetrachloride	ND		5.0		ug/Kg			01/15/15 09:40	1
Chlorobenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
Chloroethane	ND		10		ug/Kg			01/15/15 09:40	1
Chloroform	ND		5.0		ug/Kg			01/15/15 09:40	1
Chloromethane	ND		10		ug/Kg			01/15/15 09:40	1
2-Chlorotoluene	ND		5.0		ug/Kg			01/15/15 09:40	1
4-Chlorotoluene	ND		5.0		ug/Kg			01/15/15 09:40	1
Chlorodibromomethane	ND		5.0		ug/Kg			01/15/15 09:40	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
1,3-Dichloropropane	ND		5.0		ug/Kg			01/15/15 09:40	1
1,1-Dichloropropene	ND		5.0		ug/Kg			01/15/15 09:40	1

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-174153/4

Matrix: Solid

Analysis Batch: 174153

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			01/15/15 09:40	1
Ethylene Dibromide	ND		5.0		ug/Kg			01/15/15 09:40	1
Dibromomethane	ND		10		ug/Kg			01/15/15 09:40	1
Dichlorodifluoromethane	ND		10		ug/Kg			01/15/15 09:40	1
1,1-Dichloroethane	ND		5.0		ug/Kg			01/15/15 09:40	1
1,2-Dichloroethane	ND		5.0		ug/Kg			01/15/15 09:40	1
1,1-Dichloroethene	ND		5.0		ug/Kg			01/15/15 09:40	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			01/15/15 09:40	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg			01/15/15 09:40	1
1,2-Dichloropropane	ND		5.0		ug/Kg			01/15/15 09:40	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg			01/15/15 09:40	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg			01/15/15 09:40	1
Ethylbenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
Hexachlorobutadiene	ND		5.0		ug/Kg			01/15/15 09:40	1
2-Hexanone	ND		50		ug/Kg			01/15/15 09:40	1
Isopropylbenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
4-Isopropyltoluene	ND		5.0		ug/Kg			01/15/15 09:40	1
Methylene Chloride	ND		10		ug/Kg			01/15/15 09:40	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg			01/15/15 09:40	1
Naphthalene	ND		10		ug/Kg			01/15/15 09:40	1
N-Propylbenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
Styrene	ND		5.0		ug/Kg			01/15/15 09:40	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			01/15/15 09:40	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg			01/15/15 09:40	1
Tetrachloroethene	ND		5.0		ug/Kg			01/15/15 09:40	1
Toluene	ND		5.0		ug/Kg			01/15/15 09:40	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg			01/15/15 09:40	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg			01/15/15 09:40	1
Trichloroethene	ND		5.0		ug/Kg			01/15/15 09:40	1
Trichlorofluoromethane	ND		5.0		ug/Kg			01/15/15 09:40	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg			01/15/15 09:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg			01/15/15 09:40	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
Vinyl acetate	ND		20		ug/Kg			01/15/15 09:40	1
Vinyl chloride	ND		5.0		ug/Kg			01/15/15 09:40	1
Xylenes, Total	ND		10		ug/Kg			01/15/15 09:40	1
2,2-Dichloropropane	ND		5.0		ug/Kg			01/15/15 09:40	1
Gasoline Range Organics (GRO)	ND		250		ug/Kg			01/15/15 09:40	1
-C5-C12									

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		45 - 131		01/15/15 09:40	1
1,2-Dichloroethane-d4 (Surr)	91		60 - 140		01/15/15 09:40	1
Toluene-d8 (Surr)	93		58 - 140		01/15/15 09:40	1

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-174153/5

Matrix: Solid

Analysis Batch: 174153

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	47.7		ug/Kg		95	70 - 144
Acetone	250	226		ug/Kg		90	30 - 162
Benzene	50.0	49.0		ug/Kg		98	70 - 130
Dichlorobromomethane	50.0	49.8		ug/Kg		100	70 - 131
Bromobenzene	50.0	50.2		ug/Kg		100	70 - 130
Chlorobromomethane	50.0	48.9		ug/Kg		98	70 - 130
Bromoform	50.0	50.7		ug/Kg		101	59 - 158
Bromomethane	50.0	47.0		ug/Kg		94	59 - 132
2-Butanone (MEK)	250	233		ug/Kg		93	53 - 124
n-Butylbenzene	50.0	52.6		ug/Kg		105	70 - 142
sec-Butylbenzene	50.0	52.1		ug/Kg		104	70 - 136
tert-Butylbenzene	50.0	52.8		ug/Kg		106	70 - 130
Carbon disulfide	50.0	47.5		ug/Kg		95	60 - 140
Carbon tetrachloride	50.0	52.2		ug/Kg		104	70 - 138
Chlorobenzene	50.0	49.0		ug/Kg		98	70 - 130
Chloroethane	50.0	48.6		ug/Kg		97	65 - 130
Chloroform	50.0	48.7		ug/Kg		97	77 - 127
Chloromethane	50.0	45.7		ug/Kg		91	55 - 140
2-Chlorotoluene	50.0	50.7		ug/Kg		101	70 - 138
4-Chlorotoluene	50.0	50.6		ug/Kg		101	70 - 136
Chlorodibromomethane	50.0	51.8		ug/Kg		104	70 - 146
1,2-Dichlorobenzene	50.0	49.0		ug/Kg		98	70 - 130
1,3-Dichlorobenzene	50.0	49.3		ug/Kg		99	70 - 131
1,4-Dichlorobenzene	50.0	48.9		ug/Kg		98	70 - 130
1,3-Dichloropropane	50.0	47.6		ug/Kg		95	70 - 140
1,1-Dichloropropene	50.0	55.6		ug/Kg		111	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	50.1		ug/Kg		100	60 - 145
Ethylene Dibromide	50.0	48.9		ug/Kg		98	70 - 140
Dibromomethane	50.0	48.5		ug/Kg		97	70 - 139
Dichlorodifluoromethane	50.0	44.9		ug/Kg		90	37 - 158
1,1-Dichloroethane	50.0	49.9		ug/Kg		100	70 - 130
1,2-Dichloroethane	50.0	46.4		ug/Kg		93	70 - 130
1,1-Dichloroethene	50.0	46.9		ug/Kg		94	76 - 122
cis-1,2-Dichloroethene	50.0	49.2		ug/Kg		98	70 - 138
trans-1,2-Dichloroethene	50.0	50.4		ug/Kg		101	67 - 130
1,2-Dichloropropane	50.0	49.7		ug/Kg		99	73 - 127
cis-1,3-Dichloropropene	50.0	54.3		ug/Kg		109	68 - 147
trans-1,3-Dichloropropene	50.0	58.0		ug/Kg		116	70 - 136
Ethylbenzene	50.0	48.4		ug/Kg		97	80 - 137
Hexachlorobutadiene	50.0	52.3		ug/Kg		105	70 - 132
2-Hexanone	250	230		ug/Kg		92	44 - 133
Isopropylbenzene	50.0	53.4		ug/Kg		107	70 - 130
4-Isopropyltoluene	50.0	50.7		ug/Kg		101	70 - 133
Methylene Chloride	50.0	49.0		ug/Kg		98	70 - 134
4-Methyl-2-pentanone (MIBK)	250	236		ug/Kg		94	60 - 160
Naphthalene	50.0	51.2		ug/Kg		102	60 - 147
N-Propylbenzene	50.0	52.8		ug/Kg		106	70 - 130
Styrene	50.0	55.7		ug/Kg		111	70 - 130

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-174153/5

Matrix: Solid

Analysis Batch: 174153

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	52.3		ug/Kg		105	70 - 130
1,1,2,2-Tetrachloroethane	50.0	47.3		ug/Kg		95	70 - 146
Tetrachloroethene	50.0	51.9		ug/Kg		104	70 - 132
Toluene	50.0	49.9		ug/Kg		100	80 - 128
1,2,3-Trichlorobenzene	50.0	49.8		ug/Kg		100	60 - 140
1,2,4-Trichlorobenzene	50.0	52.4		ug/Kg		105	60 - 140
1,1,1-Trichloroethane	50.0	50.2		ug/Kg		100	70 - 130
1,1,2-Trichloroethane	50.0	47.9		ug/Kg		96	70 - 130
Trichloroethene	50.0	51.2		ug/Kg		102	70 - 133
Trichlorofluoromethane	50.0	50.7		ug/Kg		101	60 - 140
1,2,3-Trichloropropane	50.0	47.1		ug/Kg		94	70 - 146
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.3		ug/Kg		95	60 - 140
1,2,4-Trimethylbenzene	50.0	51.8		ug/Kg		104	70 - 130
1,3,5-Trimethylbenzene	50.0	52.8		ug/Kg		106	70 - 131
Vinyl acetate	50.0	51.2		ug/Kg		102	38 - 176
Vinyl chloride	50.0	47.5		ug/Kg		95	58 - 125
m-Xylene & p-Xylene	50.0	51.6		ug/Kg		103	70 - 146
o-Xylene	50.0	50.7		ug/Kg		101	70 - 140
2,2-Dichloropropane	50.0	52.6		ug/Kg		105	70 - 162

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	97		45 - 131
1,2-Dichloroethane-d4 (Surr)	90		60 - 140
Toluene-d8 (Surr)	97		58 - 140

Lab Sample ID: LCS 720-174153/7

Matrix: Solid

Analysis Batch: 174153

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	1020		ug/Kg		102	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	96		45 - 131
1,2-Dichloroethane-d4 (Surr)	90		60 - 140
Toluene-d8 (Surr)	96		58 - 140

Lab Sample ID: LCSD 720-174153/6

Matrix: Solid

Analysis Batch: 174153

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Methyl tert-butyl ether	50.0	51.8		ug/Kg		104	70 - 144	8	20
Acetone	250	253		ug/Kg		101	30 - 162	11	30
Benzene	50.0	48.2		ug/Kg		96	70 - 130	2	20
Dichlorobromomethane	50.0	49.9		ug/Kg		100	70 - 131	0	20

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-174153/6

Matrix: Solid

Analysis Batch: 174153

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromobenzene	50.0	49.7		ug/Kg		99	70 - 130	1	20
Chlorobromomethane	50.0	50.1		ug/Kg		100	70 - 130	2	20
Bromoform	50.0	54.3		ug/Kg		109	59 - 158	7	20
Bromomethane	50.0	47.1		ug/Kg		94	59 - 132	0	20
2-Butanone (MEK)	250	276		ug/Kg		110	53 - 124	17	20
n-Butylbenzene	50.0	50.3		ug/Kg		101	70 - 142	5	20
sec-Butylbenzene	50.0	50.7		ug/Kg		101	70 - 136	3	20
tert-Butylbenzene	50.0	50.9		ug/Kg		102	70 - 130	4	20
Carbon disulfide	50.0	46.1		ug/Kg		92	60 - 140	3	20
Carbon tetrachloride	50.0	50.6		ug/Kg		101	70 - 138	3	20
Chlorobenzene	50.0	47.6		ug/Kg		95	70 - 130	3	20
Chloroethane	50.0	48.4		ug/Kg		97	65 - 130	0	20
Chloroform	50.0	48.2		ug/Kg		96	77 - 127	1	20
Chloromethane	50.0	46.9		ug/Kg		94	55 - 140	3	20
2-Chlorotoluene	50.0	49.3		ug/Kg		99	70 - 138	3	20
4-Chlorotoluene	50.0	49.5		ug/Kg		99	70 - 136	2	20
Chlorodibromomethane	50.0	53.9		ug/Kg		108	70 - 146	4	20
1,2-Dichlorobenzene	50.0	49.1		ug/Kg		98	70 - 130	0	20
1,3-Dichlorobenzene	50.0	48.5		ug/Kg		97	70 - 131	2	20
1,4-Dichlorobenzene	50.0	48.0		ug/Kg		96	70 - 130	2	20
1,3-Dichloropropane	50.0	49.9		ug/Kg		100	70 - 140	5	20
1,1-Dichloropropene	50.0	53.7		ug/Kg		107	70 - 130	4	20
1,2-Dibromo-3-Chloropropane	50.0	57.6		ug/Kg		115	60 - 145	14	20
Ethylene Dibromide	50.0	52.0		ug/Kg		104	70 - 140	6	20
Dibromomethane	50.0	50.7		ug/Kg		101	70 - 139	5	20
Dichlorodifluoromethane	50.0	44.7		ug/Kg		89	37 - 158	1	20
1,1-Dichloroethane	50.0	49.2		ug/Kg		98	70 - 130	1	20
1,2-Dichloroethane	50.0	47.2		ug/Kg		94	70 - 130	2	20
1,1-Dichloroethene	50.0	45.0		ug/Kg		90	76 - 122	4	20
cis-1,2-Dichloroethene	50.0	47.9		ug/Kg		96	70 - 138	3	20
trans-1,2-Dichloroethene	50.0	49.1		ug/Kg		98	67 - 130	3	20
1,2-Dichloropropane	50.0	49.5		ug/Kg		99	73 - 127	0	20
cis-1,3-Dichloropropene	50.0	55.4		ug/Kg		111	68 - 147	2	20
trans-1,3-Dichloropropene	50.0	60.7		ug/Kg		121	70 - 136	4	20
Ethylbenzene	50.0	46.5		ug/Kg		93	80 - 137	4	20
Hexachlorobutadiene	50.0	50.0		ug/Kg		100	70 - 132	5	20
2-Hexanone	250	280		ug/Kg		112	44 - 133	20	20
Isopropylbenzene	50.0	51.7		ug/Kg		103	70 - 130	3	20
4-Isopropyltoluene	50.0	48.8		ug/Kg		98	70 - 133	4	20
Methylene Chloride	50.0	49.0		ug/Kg		98	70 - 134	0	20
4-Methyl-2-pentanone (MIBK)	250	284		ug/Kg		114	60 - 160	19	20
Naphthalene	50.0	56.3		ug/Kg		113	60 - 147	10	20
N-Propylbenzene	50.0	50.6		ug/Kg		101	70 - 130	4	20
Styrene	50.0	54.7		ug/Kg		109	70 - 130	2	20
1,1,1,2-Tetrachloroethane	50.0	51.7		ug/Kg		103	70 - 130	1	20
1,1,2,2-Tetrachloroethane	50.0	52.2		ug/Kg		104	70 - 146	10	20
Tetrachloroethene	50.0	49.8		ug/Kg		100	70 - 132	4	20
Toluene	50.0	48.2		ug/Kg		96	80 - 128	3	20

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-174153/6

Matrix: Solid

Analysis Batch: 174153

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,3-Trichlorobenzene	50.0	50.7		ug/Kg		101	60 - 140	2	20
1,2,4-Trichlorobenzene	50.0	52.2		ug/Kg		104	60 - 140	0	20
1,1,1-Trichloroethane	50.0	48.8		ug/Kg		98	70 - 130	3	20
1,1,2-Trichloroethane	50.0	51.0		ug/Kg		102	70 - 130	6	20
Trichloroethene	50.0	50.0		ug/Kg		100	70 - 133	2	20
Trichlorofluoromethane	50.0	50.0		ug/Kg		100	60 - 140	1	20
1,2,3-Trichloropropane	50.0	52.6		ug/Kg		105	70 - 146	11	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	46.1		ug/Kg		92	60 - 140	2	20
1,2,4-Trimethylbenzene	50.0	50.2		ug/Kg		100	70 - 130	3	20
1,3,5-Trimethylbenzene	50.0	51.2		ug/Kg		102	70 - 131	3	20
Vinyl acetate	50.0	57.3		ug/Kg		115	38 - 176	11	20
Vinyl chloride	50.0	47.0		ug/Kg		94	58 - 125	1	20
m-Xylene & p-Xylene	50.0	49.8		ug/Kg		100	70 - 146	4	20
o-Xylene	50.0	49.3		ug/Kg		99	70 - 140	3	20
2,2-Dichloropropane	50.0	50.4		ug/Kg		101	70 - 162	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	98		45 - 131
1,2-Dichloroethane-d4 (Surr)	95		60 - 140
Toluene-d8 (Surr)	98		58 - 140

Lab Sample ID: LCSD 720-174153/8

Matrix: Solid

Analysis Batch: 174153

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	1020		ug/Kg		102	61 - 128	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	97		45 - 131
1,2-Dichloroethane-d4 (Surr)	95		60 - 140
Toluene-d8 (Surr)	97		58 - 140

Lab Sample ID: MB 720-174242/4

Matrix: Water

Analysis Batch: 174242

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			01/16/15 13:42	1
Acetone	ND		50		ug/L			01/16/15 13:42	1
Benzene	ND		0.50		ug/L			01/16/15 13:42	1
Dichlorobromomethane	ND		0.50		ug/L			01/16/15 13:42	1
Bromobenzene	ND		1.0		ug/L			01/16/15 13:42	1
Chlorobromomethane	ND		1.0		ug/L			01/16/15 13:42	1
Bromoform	ND		1.0		ug/L			01/16/15 13:42	1
Bromomethane	ND		1.0		ug/L			01/16/15 13:42	1

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-174242/4

Matrix: Water

Analysis Batch: 174242

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		50		ug/L			01/16/15 13:42	1
n-Butylbenzene	ND		1.0		ug/L			01/16/15 13:42	1
sec-Butylbenzene	ND		1.0		ug/L			01/16/15 13:42	1
tert-Butylbenzene	ND		1.0		ug/L			01/16/15 13:42	1
Carbon disulfide	ND		5.0		ug/L			01/16/15 13:42	1
Carbon tetrachloride	ND		0.50		ug/L			01/16/15 13:42	1
Chlorobenzene	ND		0.50		ug/L			01/16/15 13:42	1
Chloroethane	ND		1.0		ug/L			01/16/15 13:42	1
Chloroform	ND		1.0		ug/L			01/16/15 13:42	1
Chloromethane	ND		1.0		ug/L			01/16/15 13:42	1
2-Chlorotoluene	ND		0.50		ug/L			01/16/15 13:42	1
4-Chlorotoluene	ND		0.50		ug/L			01/16/15 13:42	1
Chlorodibromomethane	ND		0.50		ug/L			01/16/15 13:42	1
1,2-Dichlorobenzene	ND		0.50		ug/L			01/16/15 13:42	1
1,3-Dichlorobenzene	ND		0.50		ug/L			01/16/15 13:42	1
1,4-Dichlorobenzene	ND		0.50		ug/L			01/16/15 13:42	1
1,3-Dichloropropane	ND		1.0		ug/L			01/16/15 13:42	1
1,1-Dichloropropene	ND		0.50		ug/L			01/16/15 13:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			01/16/15 13:42	1
Ethylene Dibromide	ND		0.50		ug/L			01/16/15 13:42	1
Dibromomethane	ND		0.50		ug/L			01/16/15 13:42	1
Dichlorodifluoromethane	ND		0.50		ug/L			01/16/15 13:42	1
1,1-Dichloroethane	ND		0.50		ug/L			01/16/15 13:42	1
1,2-Dichloroethane	ND		0.50		ug/L			01/16/15 13:42	1
1,1-Dichloroethene	ND		0.50		ug/L			01/16/15 13:42	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			01/16/15 13:42	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			01/16/15 13:42	1
1,2-Dichloropropane	ND		0.50		ug/L			01/16/15 13:42	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			01/16/15 13:42	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			01/16/15 13:42	1
Ethylbenzene	ND		0.50		ug/L			01/16/15 13:42	1
Hexachlorobutadiene	ND		1.0		ug/L			01/16/15 13:42	1
2-Hexanone	ND		50		ug/L			01/16/15 13:42	1
Isopropylbenzene	ND		0.50		ug/L			01/16/15 13:42	1
4-Isopropyltoluene	ND		1.0		ug/L			01/16/15 13:42	1
Methylene Chloride	ND		5.0		ug/L			01/16/15 13:42	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			01/16/15 13:42	1
Naphthalene	ND		1.0		ug/L			01/16/15 13:42	1
N-Propylbenzene	ND		1.0		ug/L			01/16/15 13:42	1
Styrene	ND		0.50		ug/L			01/16/15 13:42	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			01/16/15 13:42	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			01/16/15 13:42	1
Tetrachloroethene	ND		0.50		ug/L			01/16/15 13:42	1
Toluene	ND		0.50		ug/L			01/16/15 13:42	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			01/16/15 13:42	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			01/16/15 13:42	1
1,1,1-Trichloroethane	ND		0.50		ug/L			01/16/15 13:42	1
1,1,2-Trichloroethane	ND		0.50		ug/L			01/16/15 13:42	1

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-174242/4

Matrix: Water

Analysis Batch: 174242

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		0.50		ug/L			01/16/15 13:42	1
Trichlorofluoromethane	ND		1.0		ug/L			01/16/15 13:42	1
1,2,3-Trichloropropane	ND		0.50		ug/L			01/16/15 13:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			01/16/15 13:42	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			01/16/15 13:42	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			01/16/15 13:42	1
Vinyl acetate	ND		10		ug/L			01/16/15 13:42	1
Vinyl chloride	ND		0.50		ug/L			01/16/15 13:42	1
Xylenes, Total	ND		1.0		ug/L			01/16/15 13:42	1
2,2-Dichloropropane	ND		0.50		ug/L			01/16/15 13:42	1
Gasoline Range Organics (GRO)	ND		50		ug/L			01/16/15 13:42	1
-C5-C12									

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		67 - 130		01/16/15 13:42	1
1,2-Dichloroethane-d4 (Surr)	99		72 - 130		01/16/15 13:42	1
Toluene-d8 (Surr)	96		70 - 130		01/16/15 13:42	1

Lab Sample ID: LCS 720-174242/5

Matrix: Water

Analysis Batch: 174242

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	26.0		ug/L		104	62 - 130
Acetone	125	113		ug/L		90	26 - 180
Benzene	25.0	26.9		ug/L		107	79 - 130
Dichlorobromomethane	25.0	27.2		ug/L		109	70 - 130
Bromobenzene	25.0	27.2		ug/L		109	70 - 130
Chlorobromomethane	25.0	26.3		ug/L		105	70 - 130
Bromoform	25.0	28.9		ug/L		116	68 - 136
Bromomethane	25.0	25.6		ug/L		102	43 - 151
2-Butanone (MEK)	125	117		ug/L		94	54 - 130
n-Butylbenzene	25.0	29.2		ug/L		117	70 - 142
sec-Butylbenzene	25.0	28.1		ug/L		112	70 - 134
tert-Butylbenzene	25.0	28.5		ug/L		114	70 - 135
Carbon disulfide	25.0	25.2		ug/L		101	58 - 130
Carbon tetrachloride	25.0	27.8		ug/L		111	70 - 146
Chlorobenzene	25.0	27.3		ug/L		109	70 - 130
Chloroethane	25.0	25.2		ug/L		101	62 - 138
Chloroform	25.0	26.6		ug/L		106	70 - 130
Chloromethane	25.0	24.1		ug/L		96	52 - 175
2-Chlorotoluene	25.0	27.8		ug/L		111	70 - 130
4-Chlorotoluene	25.0	27.8		ug/L		111	70 - 130
Chlorodibromomethane	25.0	28.4		ug/L		114	70 - 145
1,2-Dichlorobenzene	25.0	27.4		ug/L		110	70 - 130
1,3-Dichlorobenzene	25.0	27.4		ug/L		110	70 - 130
1,4-Dichlorobenzene	25.0	27.3		ug/L		109	70 - 130
1,3-Dichloropropane	25.0	26.3		ug/L		105	70 - 130

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-174242/5

Matrix: Water

Analysis Batch: 174242

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloropropene	25.0	29.2		ug/L		117	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	29.3		ug/L		117	70 - 136
Ethylene Dibromide	25.0	27.1		ug/L		108	70 - 130
Dibromomethane	25.0	26.8		ug/L		107	70 - 130
Dichlorodifluoromethane	25.0	23.8		ug/L		95	34 - 132
1,1-Dichloroethane	25.0	26.8		ug/L		107	70 - 130
1,2-Dichloroethane	25.0	25.9		ug/L		103	61 - 132
1,1-Dichloroethene	25.0	24.7		ug/L		99	64 - 128
cis-1,2-Dichloroethene	25.0	25.9		ug/L		103	70 - 130
trans-1,2-Dichloroethene	25.0	26.2		ug/L		105	68 - 130
1,2-Dichloropropane	25.0	27.0		ug/L		108	70 - 130
cis-1,3-Dichloropropene	25.0	28.8		ug/L		115	70 - 130
trans-1,3-Dichloropropene	25.0	31.0		ug/L		124	70 - 140
Ethylbenzene	25.0	27.5		ug/L		110	80 - 120
Hexachlorobutadiene	25.0	28.5		ug/L		114	70 - 130
2-Hexanone	125	117		ug/L		93	60 - 164
Isopropylbenzene	25.0	28.4		ug/L		113	70 - 130
4-Isopropyltoluene	25.0	27.8		ug/L		111	70 - 130
Methylene Chloride	25.0	25.6		ug/L		102	70 - 147
4-Methyl-2-pentanone (MIBK)	125	122		ug/L		98	58 - 130
Naphthalene	25.0	27.7		ug/L		111	70 - 130
N-Propylbenzene	25.0	28.3		ug/L		113	70 - 130
Styrene	25.0	29.5		ug/L		118	70 - 130
1,1,1,2-Tetrachloroethane	25.0	28.4		ug/L		113	70 - 130
1,1,2,2-Tetrachloroethane	25.0	27.3		ug/L		109	70 - 130
Tetrachloroethene	25.0	27.5		ug/L		110	70 - 130
Toluene	25.0	27.4		ug/L		110	78 - 120
1,2,3-Trichlorobenzene	25.0	26.1		ug/L		104	70 - 130
1,2,4-Trichlorobenzene	25.0	28.3		ug/L		113	70 - 130
1,1,1-Trichloroethane	25.0	26.6		ug/L		107	70 - 130
1,1,2-Trichloroethane	25.0	26.8		ug/L		107	70 - 130
Trichloroethene	25.0	26.6		ug/L		106	70 - 130
Trichlorofluoromethane	25.0	26.8		ug/L		107	66 - 132
1,2,3-Trichloropropane	25.0	27.0		ug/L		108	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.0		ug/L		100	42 - 162
1,2,4-Trimethylbenzene	25.0	28.1		ug/L		112	70 - 132
1,3,5-Trimethylbenzene	25.0	28.6		ug/L		114	70 - 130
Vinyl acetate	25.0	26.2		ug/L		105	43 - 163
Vinyl chloride	25.0	23.9		ug/L		96	54 - 135
m-Xylene & p-Xylene	25.0	27.9		ug/L		111	70 - 142
o-Xylene	25.0	27.6		ug/L		110	70 - 130
2,2-Dichloropropane	25.0	26.2		ug/L		105	70 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	99		67 - 130
1,2-Dichloroethane-d4 (Surr)	94		72 - 130
Toluene-d8 (Surr)	98		70 - 130

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-174242/7

Matrix: Water

Analysis Batch: 174242

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)	500	547		ug/L		109	62 - 120
-C5-C12							

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	98		72 - 130
Toluene-d8 (Surr)	97		70 - 130

Lab Sample ID: LCSD 720-174242/6

Matrix: Water

Analysis Batch: 174242

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	26.4		ug/L		105	62 - 130	2	20
Acetone	125	113		ug/L		91	26 - 180	1	30
Benzene	25.0	26.6		ug/L		106	79 - 130	1	20
Dichlorobromomethane	25.0	27.1		ug/L		108	70 - 130	0	20
Bromobenzene	25.0	26.8		ug/L		107	70 - 130	2	20
Chlorobromomethane	25.0	26.0		ug/L		104	70 - 130	1	20
Bromoform	25.0	28.7		ug/L		115	68 - 136	1	20
Bromomethane	25.0	24.9		ug/L		99	43 - 151	3	20
2-Butanone (MEK)	125	117		ug/L		94	54 - 130	0	20
n-Butylbenzene	25.0	28.2		ug/L		113	70 - 142	4	20
sec-Butylbenzene	25.0	27.6		ug/L		110	70 - 134	2	20
tert-Butylbenzene	25.0	27.9		ug/L		112	70 - 135	2	20
Carbon disulfide	25.0	24.8		ug/L		99	58 - 130	2	20
Carbon tetrachloride	25.0	27.5		ug/L		110	70 - 146	1	20
Chlorobenzene	25.0	27.3		ug/L		109	70 - 130	0	20
Chloroethane	25.0	24.7		ug/L		99	62 - 138	2	20
Chloroform	25.0	26.5		ug/L		106	70 - 130	0	20
Chloromethane	25.0	23.5		ug/L		94	52 - 175	2	20
2-Chlorotoluene	25.0	27.5		ug/L		110	70 - 130	1	20
4-Chlorotoluene	25.0	27.3		ug/L		109	70 - 130	2	20
Chlorodibromomethane	25.0	28.0		ug/L		112	70 - 145	2	20
1,2-Dichlorobenzene	25.0	26.6		ug/L		106	70 - 130	3	20
1,3-Dichlorobenzene	25.0	26.5		ug/L		106	70 - 130	3	20
1,4-Dichlorobenzene	25.0	26.6		ug/L		106	70 - 130	3	20
1,3-Dichloropropane	25.0	26.4		ug/L		106	70 - 130	0	20
1,1-Dichloropropene	25.0	28.9		ug/L		116	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	25.0	29.5		ug/L		118	70 - 136	1	20
Ethylene Dibromide	25.0	27.2		ug/L		109	70 - 130	0	20
Dibromomethane	25.0	26.8		ug/L		107	70 - 130	0	20
Dichlorodifluoromethane	25.0	23.0		ug/L		92	34 - 132	4	20
1,1-Dichloroethane	25.0	26.6		ug/L		106	70 - 130	1	20
1,2-Dichloroethane	25.0	25.9		ug/L		104	61 - 132	0	20
1,1-Dichloroethene	25.0	24.3		ug/L		97	64 - 128	2	20
cis-1,2-Dichloroethene	25.0	25.6		ug/L		103	70 - 130	1	20
trans-1,2-Dichloroethene	25.0	25.7		ug/L		103	68 - 130	2	20

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-174242/6

Matrix: Water

Analysis Batch: 174242

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloropropane	25.0	26.6		ug/L		106	70 - 130	2	20
cis-1,3-Dichloropropene	25.0	28.5		ug/L		114	70 - 130	1	20
trans-1,3-Dichloropropene	25.0	31.2		ug/L		125	70 - 140	1	20
Ethylbenzene	25.0	27.5		ug/L		110	80 - 120	0	20
Hexachlorobutadiene	25.0	27.4		ug/L		109	70 - 130	4	20
2-Hexanone	125	120		ug/L		96	60 - 164	3	20
Isopropylbenzene	25.0	28.1		ug/L		112	70 - 130	1	20
4-Isopropyltoluene	25.0	27.1		ug/L		108	70 - 130	3	20
Methylene Chloride	25.0	25.2		ug/L		101	70 - 147	2	20
4-Methyl-2-pentanone (MIBK)	125	124		ug/L		99	58 - 130	2	20
Naphthalene	25.0	27.1		ug/L		108	70 - 130	2	20
N-Propylbenzene	25.0	28.1		ug/L		112	70 - 130	1	20
Styrene	25.0	29.3		ug/L		117	70 - 130	1	20
1,1,1,2-Tetrachloroethane	25.0	28.3		ug/L		113	70 - 130	0	20
1,1,2,2-Tetrachloroethane	25.0	26.9		ug/L		108	70 - 130	1	20
Tetrachloroethene	25.0	27.1		ug/L		108	70 - 130	1	20
Toluene	25.0	27.4		ug/L		110	78 - 120	0	20
1,2,3-Trichlorobenzene	25.0	25.5		ug/L		102	70 - 130	2	20
1,2,4-Trichlorobenzene	25.0	27.4		ug/L		110	70 - 130	3	20
1,1,1-Trichloroethane	25.0	26.5		ug/L		106	70 - 130	0	20
1,1,2-Trichloroethane	25.0	26.6		ug/L		106	70 - 130	1	20
Trichloroethene	25.0	26.2		ug/L		105	70 - 130	1	20
Trichlorofluoromethane	25.0	25.8		ug/L		103	66 - 132	4	20
1,2,3-Trichloropropane	25.0	27.0		ug/L		108	70 - 130	0	20
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.6		ug/L		99	42 - 162	2	20
1,2,4-Trimethylbenzene	25.0	27.6		ug/L		110	70 - 132	2	20
1,3,5-Trimethylbenzene	25.0	28.2		ug/L		113	70 - 130	2	20
Vinyl acetate	25.0	25.4		ug/L		102	43 - 163	3	20
Vinyl chloride	25.0	22.8		ug/L		91	54 - 135	5	20
m-Xylene & p-Xylene	25.0	27.7		ug/L		111	70 - 142	0	20
o-Xylene	25.0	27.4		ug/L		109	70 - 130	1	20
2,2-Dichloropropane	25.0	27.1		ug/L		108	70 - 140	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	99		67 - 130
1,2-Dichloroethane-d4 (Surr)	93		72 - 130
Toluene-d8 (Surr)	97		70 - 130

Lab Sample ID: LCSD 720-174242/8

Matrix: Water

Analysis Batch: 174242

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)	500	537		ug/L		107	62 - 120	2	20
-C5-C12									

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QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-174242/8

Matrix: Water

Analysis Batch: 174242

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	98		67 - 130
1,2-Dichloroethane-d4 (Surr)	97		72 - 130
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: MB 720-174248/4

Matrix: Water

Analysis Batch: 174248

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			01/16/15 14:07	1
Acetone	ND		50		ug/L			01/16/15 14:07	1
Benzene	ND		0.50		ug/L			01/16/15 14:07	1
Dichlorobromomethane	ND		0.50		ug/L			01/16/15 14:07	1
Bromobenzene	ND		1.0		ug/L			01/16/15 14:07	1
Chlorobromomethane	ND		1.0		ug/L			01/16/15 14:07	1
Bromoform	ND		1.0		ug/L			01/16/15 14:07	1
Bromomethane	ND		1.0		ug/L			01/16/15 14:07	1
2-Butanone (MEK)	ND		50		ug/L			01/16/15 14:07	1
n-Butylbenzene	ND		1.0		ug/L			01/16/15 14:07	1
sec-Butylbenzene	ND		1.0		ug/L			01/16/15 14:07	1
tert-Butylbenzene	ND		1.0		ug/L			01/16/15 14:07	1
Carbon disulfide	ND		5.0		ug/L			01/16/15 14:07	1
Carbon tetrachloride	ND		0.50		ug/L			01/16/15 14:07	1
Chlorobenzene	ND		0.50		ug/L			01/16/15 14:07	1
Chloroethane	ND		1.0		ug/L			01/16/15 14:07	1
Chloroform	ND		1.0		ug/L			01/16/15 14:07	1
Chloromethane	ND		1.0		ug/L			01/16/15 14:07	1
2-Chlorotoluene	ND		0.50		ug/L			01/16/15 14:07	1
4-Chlorotoluene	ND		0.50		ug/L			01/16/15 14:07	1
Chlorodibromomethane	ND		0.50		ug/L			01/16/15 14:07	1
1,2-Dichlorobenzene	ND		0.50		ug/L			01/16/15 14:07	1
1,3-Dichlorobenzene	ND		0.50		ug/L			01/16/15 14:07	1
1,4-Dichlorobenzene	ND		0.50		ug/L			01/16/15 14:07	1
1,3-Dichloropropane	ND		1.0		ug/L			01/16/15 14:07	1
1,1-Dichloropropene	ND		0.50		ug/L			01/16/15 14:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			01/16/15 14:07	1
Ethylene Dibromide	ND		0.50		ug/L			01/16/15 14:07	1
Dibromomethane	ND		0.50		ug/L			01/16/15 14:07	1
Dichlorodifluoromethane	ND		0.50		ug/L			01/16/15 14:07	1
1,1-Dichloroethane	ND		0.50		ug/L			01/16/15 14:07	1
1,2-Dichloroethane	ND		0.50		ug/L			01/16/15 14:07	1
1,1-Dichloroethene	ND		0.50		ug/L			01/16/15 14:07	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			01/16/15 14:07	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			01/16/15 14:07	1
1,2-Dichloropropane	ND		0.50		ug/L			01/16/15 14:07	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			01/16/15 14:07	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			01/16/15 14:07	1
Ethylbenzene	ND		0.50		ug/L			01/16/15 14:07	1

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QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-174248/4

Matrix: Water

Analysis Batch: 174248

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		1.0		ug/L			01/16/15 14:07	1
2-Hexanone	ND		50		ug/L			01/16/15 14:07	1
Isopropylbenzene	ND		0.50		ug/L			01/16/15 14:07	1
4-Isopropyltoluene	ND		1.0		ug/L			01/16/15 14:07	1
Methylene Chloride	ND		5.0		ug/L			01/16/15 14:07	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			01/16/15 14:07	1
Naphthalene	ND		1.0		ug/L			01/16/15 14:07	1
N-Propylbenzene	ND		1.0		ug/L			01/16/15 14:07	1
Styrene	ND		0.50		ug/L			01/16/15 14:07	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			01/16/15 14:07	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			01/16/15 14:07	1
Tetrachloroethene	ND		0.50		ug/L			01/16/15 14:07	1
Toluene	ND		0.50		ug/L			01/16/15 14:07	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			01/16/15 14:07	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			01/16/15 14:07	1
1,1,1-Trichloroethane	ND		0.50		ug/L			01/16/15 14:07	1
1,1,2-Trichloroethane	ND		0.50		ug/L			01/16/15 14:07	1
Trichloroethene	ND		0.50		ug/L			01/16/15 14:07	1
Trichlorofluoromethane	ND		1.0		ug/L			01/16/15 14:07	1
1,2,3-Trichloropropane	ND		0.50		ug/L			01/16/15 14:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			01/16/15 14:07	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			01/16/15 14:07	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			01/16/15 14:07	1
Vinyl acetate	ND		10		ug/L			01/16/15 14:07	1
Vinyl chloride	ND		0.50		ug/L			01/16/15 14:07	1
Xylenes, Total	ND		1.0		ug/L			01/16/15 14:07	1
2,2-Dichloropropane	ND		0.50		ug/L			01/16/15 14:07	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			01/16/15 14:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		67 - 130		01/16/15 14:07	1
1,2-Dichloroethane-d4 (Surr)	99		72 - 130		01/16/15 14:07	1
Toluene-d8 (Surr)	100		70 - 130		01/16/15 14:07	1

Lab Sample ID: LCS 720-174248/5

Matrix: Water

Analysis Batch: 174248

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	24.4		ug/L		97	62 - 130
Acetone	125	115		ug/L		92	26 - 180
Benzene	25.0	24.3		ug/L		97	79 - 130
Dichlorobromomethane	25.0	26.5		ug/L		106	70 - 130
Bromobenzene	25.0	24.4		ug/L		98	70 - 130
Chlorobromomethane	25.0	24.7		ug/L		99	70 - 130
Bromoform	25.0	27.5		ug/L		110	68 - 136
Bromomethane	25.0	24.3		ug/L		97	43 - 151

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-174248/5

Matrix: Water

Analysis Batch: 174248

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Butanone (MEK)	125	115		ug/L		92	54 - 130
n-Butylbenzene	25.0	25.0		ug/L		100	70 - 142
sec-Butylbenzene	25.0	24.6		ug/L		98	70 - 134
tert-Butylbenzene	25.0	24.4		ug/L		97	70 - 135
Carbon disulfide	25.0	23.1		ug/L		92	58 - 130
Carbon tetrachloride	25.0	27.9		ug/L		112	70 - 146
Chlorobenzene	25.0	24.2		ug/L		97	70 - 130
Chloroethane	25.0	24.3		ug/L		97	62 - 138
Chloroform	25.0	24.5		ug/L		98	70 - 130
Chloromethane	25.0	23.0		ug/L		92	52 - 175
2-Chlorotoluene	25.0	24.2		ug/L		97	70 - 130
4-Chlorotoluene	25.0	24.1		ug/L		96	70 - 130
Chlorodibromomethane	25.0	27.3		ug/L		109	70 - 145
1,2-Dichlorobenzene	25.0	24.6		ug/L		98	70 - 130
1,3-Dichlorobenzene	25.0	24.5		ug/L		98	70 - 130
1,4-Dichlorobenzene	25.0	24.9		ug/L		100	70 - 130
1,3-Dichloropropane	25.0	24.2		ug/L		97	70 - 130
1,1-Dichloropropene	25.0	25.9		ug/L		104	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	26.2		ug/L		105	70 - 136
Ethylene Dibromide	25.0	25.4		ug/L		102	70 - 130
Dibromomethane	25.0	25.1		ug/L		100	70 - 130
Dichlorodifluoromethane	25.0	22.3		ug/L		89	34 - 132
1,1-Dichloroethane	25.0	24.8		ug/L		99	70 - 130
1,2-Dichloroethane	25.0	23.1		ug/L		93	61 - 132
1,1-Dichloroethene	25.0	22.9		ug/L		92	64 - 128
cis-1,2-Dichloroethene	25.0	24.6		ug/L		99	70 - 130
trans-1,2-Dichloroethene	25.0	24.3		ug/L		97	68 - 130
1,2-Dichloropropane	25.0	24.8		ug/L		99	70 - 130
cis-1,3-Dichloropropene	25.0	28.1		ug/L		112	70 - 130
trans-1,3-Dichloropropene	25.0	29.5		ug/L		118	70 - 140
Ethylbenzene	25.0	24.6		ug/L		98	80 - 120
Hexachlorobutadiene	25.0	24.8		ug/L		99	70 - 130
2-Hexanone	125	114		ug/L		91	60 - 164
Isopropylbenzene	25.0	24.9		ug/L		100	70 - 130
4-Isopropyltoluene	25.0	24.3		ug/L		97	70 - 130
Methylene Chloride	25.0	24.5		ug/L		98	70 - 147
4-Methyl-2-pentanone (MIBK)	125	115		ug/L		92	58 - 130
Naphthalene	25.0	25.0		ug/L		100	70 - 130
N-Propylbenzene	25.0	24.7		ug/L		99	70 - 130
Styrene	25.0	25.4		ug/L		101	70 - 130
1,1,1,2-Tetrachloroethane	25.0	27.9		ug/L		112	70 - 130
1,1,2,2-Tetrachloroethane	25.0	25.0		ug/L		100	70 - 130
Tetrachloroethene	25.0	24.3		ug/L		97	70 - 130
Toluene	25.0	24.4		ug/L		98	78 - 120
1,2,3-Trichlorobenzene	25.0	24.9		ug/L		100	70 - 130
1,2,4-Trichlorobenzene	25.0	25.3		ug/L		101	70 - 130
1,1,1-Trichloroethane	25.0	25.1		ug/L		101	70 - 130
1,1,2-Trichloroethane	25.0	24.8		ug/L		99	70 - 130

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QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-174248/5

Matrix: Water

Analysis Batch: 174248

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	25.0	24.8		ug/L		99	70 - 130
Trichlorofluoromethane	25.0	26.1		ug/L		105	66 - 132
1,2,3-Trichloropropane	25.0	24.7		ug/L		99	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.4		ug/L		90	42 - 162
1,2,4-Trimethylbenzene	25.0	24.2		ug/L		97	70 - 132
1,3,5-Trimethylbenzene	25.0	24.6		ug/L		98	70 - 130
Vinyl acetate	25.0	27.0		ug/L		108	43 - 163
Vinyl chloride	25.0	21.0		ug/L		84	54 - 135
m-Xylene & p-Xylene	25.0	24.3		ug/L		97	70 - 142
o-Xylene	25.0	24.4		ug/L		98	70 - 130
2,2-Dichloropropane	25.0	26.4		ug/L		106	70 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	101		67 - 130
1,2-Dichloroethane-d4 (Surr)	96		72 - 130
Toluene-d8 (Surr)	99		70 - 130

Lab Sample ID: LCS 720-174248/7

Matrix: Water

Analysis Batch: 174248

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	500	480		ug/L		96	62 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	103		67 - 130
1,2-Dichloroethane-d4 (Surr)	103		72 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: LCSD 720-174248/6

Matrix: Water

Analysis Batch: 174248

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	27.7		ug/L		111	62 - 130	13	20
Acetone	125	138		ug/L		111	26 - 180	19	30
Benzene	25.0	26.3		ug/L		105	79 - 130	8	20
Dichlorobromomethane	25.0	29.4		ug/L		117	70 - 130	10	20
Bromobenzene	25.0	26.5		ug/L		106	70 - 130	8	20
Chlorobromomethane	25.0	26.9		ug/L		108	70 - 130	9	20
Bromoform	25.0	31.5		ug/L		126	68 - 136	13	20
Bromomethane	25.0	25.8		ug/L		103	43 - 151	6	20
2-Butanone (MEK)	125	138		ug/L		110	54 - 130	18	20
n-Butylbenzene	25.0	27.2		ug/L		109	70 - 142	9	20
sec-Butylbenzene	25.0	26.8		ug/L		107	70 - 134	9	20
tert-Butylbenzene	25.0	26.5		ug/L		106	70 - 135	8	20

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-174248/6

Matrix: Water

Analysis Batch: 174248

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon disulfide	25.0	25.6		ug/L		102	58 - 130	10	20
Carbon tetrachloride	25.0	31.1		ug/L		124	70 - 146	11	20
Chlorobenzene	25.0	26.1		ug/L		105	70 - 130	8	20
Chloroethane	25.0	25.9		ug/L		104	62 - 138	6	20
Chloroform	25.0	26.4		ug/L		106	70 - 130	7	20
Chloromethane	25.0	24.6		ug/L		98	52 - 175	6	20
2-Chlorotoluene	25.0	26.3		ug/L		105	70 - 130	8	20
4-Chlorotoluene	25.0	26.0		ug/L		104	70 - 130	8	20
Chlorodibromomethane	25.0	30.4		ug/L		121	70 - 145	10	20
1,2-Dichlorobenzene	25.0	26.9		ug/L		108	70 - 130	9	20
1,3-Dichlorobenzene	25.0	26.3		ug/L		105	70 - 130	7	20
1,4-Dichlorobenzene	25.0	26.9		ug/L		108	70 - 130	8	20
1,3-Dichloropropane	25.0	27.2		ug/L		109	70 - 130	12	20
1,1-Dichloropropene	25.0	28.5		ug/L		114	70 - 130	10	20
1,2-Dibromo-3-Chloropropane	25.0	32.1		ug/L		128	70 - 136	20	20
Ethylene Dibromide	25.0	28.6		ug/L		114	70 - 130	12	20
Dibromomethane	25.0	28.0		ug/L		112	70 - 130	11	20
Dichlorodifluoromethane	25.0	23.7		ug/L		95	34 - 132	6	20
1,1-Dichloroethane	25.0	26.7		ug/L		107	70 - 130	8	20
1,2-Dichloroethane	25.0	28.4		ug/L		114	61 - 132	20	20
1,1-Dichloroethene	25.0	25.0		ug/L		100	64 - 128	9	20
cis-1,2-Dichloroethene	25.0	26.8		ug/L		107	70 - 130	8	20
trans-1,2-Dichloroethene	25.0	26.0		ug/L		104	68 - 130	7	20
1,2-Dichloropropane	25.0	27.2		ug/L		109	70 - 130	9	20
cis-1,3-Dichloropropene	25.0	30.9		ug/L		123	70 - 130	9	20
trans-1,3-Dichloropropene	25.0	32.9		ug/L		131	70 - 140	11	20
Ethylbenzene	25.0	26.5		ug/L		106	80 - 120	8	20
Hexachlorobutadiene	25.0	27.5		ug/L		110	70 - 130	10	20
2-Hexanone	125	137		ug/L		110	60 - 164	19	20
Isopropylbenzene	25.0	27.2		ug/L		109	70 - 130	9	20
4-Isopropyltoluene	25.0	26.5		ug/L		106	70 - 130	9	20
Methylene Chloride	25.0	27.0		ug/L		108	70 - 147	10	20
4-Methyl-2-pentanone (MIBK)	125	137		ug/L		109	58 - 130	17	20
Naphthalene	25.0	29.3		ug/L		117	70 - 130	16	20
N-Propylbenzene	25.0	26.8		ug/L		107	70 - 130	8	20
Styrene	25.0	27.4		ug/L		110	70 - 130	8	20
1,1,1,2-Tetrachloroethane	25.0	30.4		ug/L		122	70 - 130	8	20
1,1,2,2-Tetrachloroethane	25.0	28.9		ug/L		116	70 - 130	15	20
Tetrachloroethene	25.0	26.9		ug/L		108	70 - 130	10	20
Toluene	25.0	26.5		ug/L		106	78 - 120	8	20
1,2,3-Trichlorobenzene	25.0	28.0		ug/L		112	70 - 130	11	20
1,2,4-Trichlorobenzene	25.0	27.8		ug/L		111	70 - 130	10	20
1,1,1-Trichloroethane	25.0	27.9		ug/L		112	70 - 130	10	20
1,1,2-Trichloroethane	25.0	27.8		ug/L		111	70 - 130	11	20
Trichloroethene	25.0	26.8		ug/L		107	70 - 130	8	20
Trichlorofluoromethane	25.0	28.3		ug/L		113	66 - 132	8	20
1,2,3-Trichloropropane	25.0	28.7		ug/L		115	70 - 130	15	20

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-174248/6

Matrix: Water

Analysis Batch: 174248

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.5		ug/L		110	42 - 162	20	20
1,2,4-Trimethylbenzene	25.0	26.3		ug/L		105	70 - 132	8	20
1,3,5-Trimethylbenzene	25.0	26.8		ug/L		107	70 - 130	9	20
Vinyl acetate	25.0	30.9		ug/L		124	43 - 163	13	20
Vinyl chloride	25.0	21.3		ug/L		85	54 - 135	2	20
m-Xylene & p-Xylene	25.0	26.2		ug/L		105	70 - 142	7	20
o-Xylene	25.0	26.5		ug/L		106	70 - 130	8	20
2,2-Dichloropropane	25.0	29.6		ug/L		118	70 - 140	11	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	94		72 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: LCSD 720-174248/8

Matrix: Water

Analysis Batch: 174248

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	500	509		ug/L		102	62 - 120	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	102		67 - 130
1,2-Dichloroethane-d4 (Surr)	102		72 - 130
Toluene-d8 (Surr)	100		70 - 130

Lab Sample ID: 720-62341-11 MS

Matrix: Water

Analysis Batch: 174248

Client Sample ID: B-5

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	ND		25.0	25.8		ug/L		101	60 - 138
Acetone	ND		125	101		ug/L		81	60 - 140
Benzene	ND		25.0	24.6		ug/L		98	60 - 140
Dichlorobromomethane	ND		25.0	28.2		ug/L		113	60 - 140
Bromobenzene	ND		25.0	24.7		ug/L		99	60 - 140
Chlorobromomethane	ND		25.0	25.5		ug/L		102	60 - 140
Bromoform	ND		25.0	27.8		ug/L		111	56 - 140
Bromomethane	ND		25.0	22.4		ug/L		90	23 - 140
2-Butanone (MEK)	ND		125	101		ug/L		81	60 - 140
n-Butylbenzene	ND		25.0	24.4		ug/L		98	60 - 140
sec-Butylbenzene	ND		25.0	24.2		ug/L		97	60 - 140
tert-Butylbenzene	ND		25.0	24.1		ug/L		96	60 - 140
Carbon disulfide	ND		25.0	22.8		ug/L		91	38 - 140
Carbon tetrachloride	ND		25.0	27.3		ug/L		109	60 - 140
Chlorobenzene	ND		25.0	24.7		ug/L		99	60 - 140

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: 720-62341-11 MS

Matrix: Water

Analysis Batch: 174248

Client Sample ID: B-5

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	ND		25.0	22.8		ug/L		91	51 - 140
Chloroform	ND		25.0	25.3		ug/L		101	60 - 140
Chloromethane	ND		25.0	18.8		ug/L		75	52 - 140
2-Chlorotoluene	ND		25.0	24.8		ug/L		99	60 - 140
4-Chlorotoluene	ND		25.0	24.5		ug/L		98	60 - 140
Chlorodibromomethane	ND		25.0	28.3		ug/L		113	60 - 140
1,2-Dichlorobenzene	ND		25.0	25.2		ug/L		101	60 - 140
1,3-Dichlorobenzene	ND		25.0	24.7		ug/L		99	60 - 140
1,4-Dichlorobenzene	ND		25.0	25.3		ug/L		101	60 - 140
1,3-Dichloropropane	ND		25.0	25.3		ug/L		101	60 - 140
1,1-Dichloropropene	ND		25.0	25.3		ug/L		101	60 - 140
1,2-Dibromo-3-Chloropropane	ND		25.0	24.9		ug/L		99	60 - 140
Ethylene Dibromide	ND		25.0	26.0		ug/L		104	60 - 140
Dibromomethane	ND		25.0	25.9		ug/L		104	60 - 140
Dichlorodifluoromethane	ND		25.0	20.0		ug/L		80	38 - 140
1,1-Dichloroethane	ND		25.0	25.4		ug/L		101	60 - 140
1,2-Dichloroethane	ND		25.0	24.3		ug/L		97	60 - 140
1,1-Dichloroethene	ND		25.0	22.6		ug/L		90	60 - 140
cis-1,2-Dichloroethene	2.1		25.0	27.5		ug/L		102	60 - 140
trans-1,2-Dichloroethene	ND		25.0	23.9		ug/L		96	60 - 140
1,2-Dichloropropane	ND		25.0	25.8		ug/L		103	60 - 140
cis-1,3-Dichloropropene	ND		25.0	29.0		ug/L		116	60 - 140
trans-1,3-Dichloropropene	ND		25.0	30.4		ug/L		122	60 - 140
Ethylbenzene	ND		25.0	24.5		ug/L		98	60 - 140
Hexachlorobutadiene	ND		25.0	23.4		ug/L		94	60 - 140
2-Hexanone	ND		125	103		ug/L		83	60 - 140
Isopropylbenzene	ND		25.0	24.7		ug/L		99	60 - 140
4-Isopropyltoluene	ND		25.0	24.0		ug/L		96	60 - 140
Methylene Chloride	ND		25.0	25.7		ug/L		103	40 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	106		ug/L		85	58 - 130
Naphthalene	ND		25.0	24.6		ug/L		99	56 - 140
N-Propylbenzene	ND		25.0	24.3		ug/L		97	60 - 140
Styrene	ND		25.0	25.2		ug/L		101	60 - 140
1,1,1,2-Tetrachloroethane	ND		25.0	28.9		ug/L		116	60 - 140
1,1,2,2-Tetrachloroethane	ND		25.0	25.5		ug/L		102	60 - 140
Tetrachloroethene	44		25.0	67.2		ug/L		94	60 - 140
Toluene	ND		25.0	24.5		ug/L		98	60 - 140
1,2,3-Trichlorobenzene	ND		25.0	24.9		ug/L		100	60 - 140
1,2,4-Trichlorobenzene	ND		25.0	24.9		ug/L		100	60 - 140
1,1,1-Trichloroethane	ND		25.0	25.1		ug/L		100	60 - 140
1,1,2-Trichloroethane	ND		25.0	25.5		ug/L		102	60 - 140
Trichloroethene	19		25.0	43.1		ug/L		98	60 - 140
Trichlorofluoromethane	ND		25.0	24.3		ug/L		97	60 - 140
1,2,3-Trichloropropane	ND		25.0	24.6		ug/L		99	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	23.7		ug/L		95	60 - 140
1,2,4-Trimethylbenzene	ND		25.0	24.2		ug/L		97	60 - 140
1,3,5-Trimethylbenzene	ND		25.0	24.6		ug/L		98	60 - 140

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: 720-62341-11 MS

Matrix: Water

Analysis Batch: 174248

Client Sample ID: B-5

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl acetate	ND		25.0	24.3		ug/L		97	40 - 140
Vinyl chloride	ND		25.0	21.2		ug/L		85	58 - 140
m-Xylene & p-Xylene	ND		25.0	24.1		ug/L		96	60 - 140
o-Xylene	ND		25.0	24.8		ug/L		99	60 - 140
2,2-Dichloropropane	ND		25.0	25.4		ug/L		101	60 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	97		72 - 130
Toluene-d8 (Surr)	100		70 - 130

Lab Sample ID: 720-62341-11 MSD

Matrix: Water

Analysis Batch: 174248

Client Sample ID: B-5

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	ND		25.0	28.6		ug/L		112	60 - 138	10	20
Acetone	ND		125	121		ug/L		97	60 - 140	18	20
Benzene	ND		25.0	25.6		ug/L		102	60 - 140	4	20
Dichlorobromomethane	ND		25.0	30.3		ug/L		121	60 - 140	7	20
Bromobenzene	ND		25.0	26.4		ug/L		106	60 - 140	7	20
Chlorobromomethane	ND		25.0	27.3		ug/L		109	60 - 140	7	20
Bromoform	ND		25.0	31.3		ug/L		125	56 - 140	12	20
Bromomethane	ND		25.0	24.7		ug/L		99	23 - 140	10	20
2-Butanone (MEK)	ND		125	124	F2	ug/L		99	60 - 140	21	20
n-Butylbenzene	ND		25.0	24.5		ug/L		98	60 - 140	0	20
sec-Butylbenzene	ND		25.0	24.8		ug/L		99	60 - 140	3	20
tert-Butylbenzene	ND		25.0	25.0		ug/L		100	60 - 140	3	20
Carbon disulfide	ND		25.0	23.5		ug/L		94	38 - 140	3	20
Carbon tetrachloride	ND		25.0	28.8		ug/L		115	60 - 140	5	20
Chlorobenzene	ND		25.0	25.8		ug/L		103	60 - 140	4	20
Chloroethane	ND		25.0	24.8		ug/L		99	51 - 140	9	20
Chloroform	ND		25.0	26.6		ug/L		106	60 - 140	5	20
Chloromethane	ND		25.0	19.7		ug/L		79	52 - 140	5	20
2-Chlorotoluene	ND		25.0	25.6		ug/L		102	60 - 140	3	20
4-Chlorotoluene	ND		25.0	25.3		ug/L		101	60 - 140	4	20
Chlorodibromomethane	ND		25.0	31.2		ug/L		125	60 - 140	9	20
1,2-Dichlorobenzene	ND		25.0	26.7		ug/L		107	60 - 140	6	20
1,3-Dichlorobenzene	ND		25.0	25.6		ug/L		102	60 - 140	4	20
1,4-Dichlorobenzene	ND		25.0	26.2		ug/L		105	60 - 140	4	20
1,3-Dichloropropane	ND		25.0	27.7		ug/L		111	60 - 140	9	20
1,1-Dichloropropene	ND		25.0	26.1		ug/L		104	60 - 140	3	20
1,2-Dibromo-3-Chloropropane	ND		25.0	29.1		ug/L		116	60 - 140	16	20
Ethylene Dibromide	ND		25.0	28.6		ug/L		115	60 - 140	10	20
Dibromomethane	ND		25.0	28.0		ug/L		112	60 - 140	8	20
Dichlorodifluoromethane	ND		25.0	21.9		ug/L		88	38 - 140	9	20
1,1-Dichloroethane	ND		25.0	26.4		ug/L		106	60 - 140	4	20
1,2-Dichloroethane	ND		25.0	26.3		ug/L		105	60 - 140	8	20

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: 720-62341-11 MSD

Matrix: Water

Analysis Batch: 174248

Client Sample ID: B-5

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	ND		25.0	22.9		ug/L		91	60 - 140	1	20
cis-1,2-Dichloroethene	2.1		25.0	28.7		ug/L		106	60 - 140	4	20
trans-1,2-Dichloroethene	ND		25.0	24.8		ug/L		99	60 - 140	4	20
1,2-Dichloropropane	ND		25.0	27.7		ug/L		111	60 - 140	7	20
cis-1,3-Dichloropropene	ND		25.0	31.2		ug/L		125	60 - 140	7	20
trans-1,3-Dichloropropene	ND		25.0	33.4		ug/L		133	60 - 140	9	20
Ethylbenzene	ND		25.0	25.4		ug/L		102	60 - 140	4	20
Hexachlorobutadiene	ND		25.0	22.1		ug/L		88	60 - 140	6	20
2-Hexanone	ND		125	128	F2	ug/L		102	60 - 140	21	20
Isopropylbenzene	ND		25.0	25.2		ug/L		101	60 - 140	2	20
4-Isopropyltoluene	ND		25.0	24.4		ug/L		98	60 - 140	2	20
Methylene Chloride	ND		25.0	26.3		ug/L		105	40 - 140	2	20
4-Methyl-2-pentanone (MIBK)	ND		125	129		ug/L		103	58 - 130	20	20
Naphthalene	ND		25.0	26.7		ug/L		107	56 - 140	8	20
N-Propylbenzene	ND		25.0	25.1		ug/L		100	60 - 140	3	20
Styrene	ND		25.0	26.4		ug/L		105	60 - 140	4	20
1,1,1,2-Tetrachloroethane	ND		25.0	31.0		ug/L		124	60 - 140	7	20
1,1,2,2-Tetrachloroethane	ND		25.0	28.8		ug/L		115	60 - 140	12	20
Tetrachloroethene	44		25.0	64.8		ug/L		85	60 - 140	4	20
Toluene	ND		25.0	25.6		ug/L		102	60 - 140	4	20
1,2,3-Trichlorobenzene	ND		25.0	25.5		ug/L		102	60 - 140	2	20
1,2,4-Trichlorobenzene	ND		25.0	25.3		ug/L		101	60 - 140	2	20
1,1,1-Trichloroethane	ND		25.0	26.4		ug/L		106	60 - 140	5	20
1,1,2-Trichloroethane	ND		25.0	27.9		ug/L		112	60 - 140	9	20
Trichloroethene	19		25.0	42.2		ug/L		94	60 - 140	2	20
Trichlorofluoromethane	ND		25.0	26.7		ug/L		107	60 - 140	9	20
1,2,3-Trichloropropane	ND		25.0	27.7		ug/L		111	60 - 140	12	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	22.7		ug/L		91	60 - 140	4	20
1,2,4-Trimethylbenzene	ND		25.0	25.1		ug/L		101	60 - 140	4	20
1,3,5-Trimethylbenzene	ND		25.0	25.4		ug/L		101	60 - 140	3	20
Vinyl acetate	ND		25.0	30.3	F2	ug/L		121	40 - 140	22	20
Vinyl chloride	ND		25.0	21.9		ug/L		88	58 - 140	3	20
m-Xylene & p-Xylene	ND		25.0	25.0		ug/L		100	60 - 140	4	20
o-Xylene	ND		25.0	25.9		ug/L		104	60 - 140	4	20
2,2-Dichloropropane	ND		25.0	27.0		ug/L		108	60 - 140	6	20
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene	101		67 - 130								
1,2-Dichloroethane-d4 (Surr)	101		72 - 130								
Toluene-d8 (Surr)	100		70 - 130								

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-174111/1-A

Matrix: Solid

Analysis Batch: 174087

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 174111

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		01/14/15 11:57	01/15/15 04:44	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		01/14/15 11:57	01/15/15 04:44	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	82		40 - 130				01/14/15 11:57	01/15/15 04:44	1

Lab Sample ID: LCS 720-174111/2-A

Matrix: Solid

Analysis Batch: 174087

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174111

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	83.1	60.6		mg/Kg		73	50 - 150
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
p-Terphenyl	80		40 - 130				

Lab Sample ID: 720-62341-1 MS

Matrix: Solid

Analysis Batch: 174087

Client Sample ID: B-4-1

Prep Type: Total/NA

Prep Batch: 174111

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	6.2		82.9	76.2		mg/Kg		84	50 - 150
Surrogate	MS %Recovery	MS Qualifier	Limits						
p-Terphenyl	83		40 - 130						

Lab Sample ID: 720-62341-1 MSD

Matrix: Solid

Analysis Batch: 174087

Client Sample ID: B-4-1

Prep Type: Total/NA

Prep Batch: 174111

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	6.2		82.0	83.9		mg/Kg		95	50 - 150	10	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
p-Terphenyl	83		40 - 130								

Lab Sample ID: MB 720-174172/1-A

Matrix: Water

Analysis Batch: 174217

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 174172

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		01/15/15 10:28	01/16/15 11:47	1
Motor Oil Range Organics [C24-C36]	ND		99		ug/L		01/15/15 10:28	01/16/15 11:47	1

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 720-174172/1-A
Matrix: Water
Analysis Batch: 174217

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 174172

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	89		23 - 156	01/15/15 10:28	01/16/15 11:47	1

Lab Sample ID: LCS 720-174172/2-A
Matrix: Water
Analysis Batch: 174217

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 174172

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	2500	1710		ug/L		68	34 - 115
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
p-Terphenyl	100		23 - 156				

Lab Sample ID: LCSD 720-174172/3-A
Matrix: Water
Analysis Batch: 174217

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 174172

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	2500	1440		ug/L		58	34 - 115	17	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
p-Terphenyl	89		23 - 156						

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-174138/1-A
Matrix: Solid
Analysis Batch: 174189

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 174138

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		01/14/15 18:34	01/15/15 11:35	1
Arsenic	ND		1.0		mg/Kg		01/14/15 18:34	01/15/15 11:35	1
Barium	ND		0.50		mg/Kg		01/14/15 18:34	01/15/15 11:35	1
Beryllium	ND		0.10		mg/Kg		01/14/15 18:34	01/15/15 11:35	1
Cadmium	ND		0.13		mg/Kg		01/14/15 18:34	01/15/15 11:35	1
Chromium	ND		0.50		mg/Kg		01/14/15 18:34	01/15/15 11:35	1
Cobalt	ND		0.20		mg/Kg		01/14/15 18:34	01/15/15 11:35	1
Copper	ND		1.5		mg/Kg		01/14/15 18:34	01/15/15 11:35	1
Lead	ND		0.50		mg/Kg		01/14/15 18:34	01/15/15 11:35	1
Molybdenum	ND		0.50		mg/Kg		01/14/15 18:34	01/15/15 11:35	1
Nickel	ND		0.50		mg/Kg		01/14/15 18:34	01/15/15 11:35	1
Selenium	ND		1.0		mg/Kg		01/14/15 18:34	01/15/15 11:35	1
Silver	ND		0.25		mg/Kg		01/14/15 18:34	01/15/15 11:35	1
Thallium	ND		0.50		mg/Kg		01/14/15 18:34	01/15/15 11:35	1
Vanadium	ND		0.50		mg/Kg		01/14/15 18:34	01/15/15 11:35	1
Zinc	1.56		1.5		mg/Kg		01/14/15 18:34	01/15/15 11:35	1

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 720-174138/2-A

Matrix: Solid

Analysis Batch: 174189

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174138

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	48.7		mg/Kg		97	80 - 120
Arsenic	50.0	47.9		mg/Kg		96	80 - 120
Barium	50.0	48.3		mg/Kg		97	80 - 120
Beryllium	50.0	49.7		mg/Kg		99	80 - 120
Cadmium	50.0	48.9		mg/Kg		98	80 - 120
Chromium	50.0	50.0		mg/Kg		100	80 - 120
Cobalt	50.0	49.5		mg/Kg		99	80 - 120
Copper	50.0	50.0		mg/Kg		100	80 - 120
Lead	50.0	48.0		mg/Kg		96	80 - 120
Molybdenum	50.0	50.5		mg/Kg		101	80 - 120
Nickel	50.0	47.5		mg/Kg		95	80 - 120
Selenium	50.0	48.4		mg/Kg		97	80 - 120
Silver	25.0	23.5		mg/Kg		94	80 - 120
Thallium	50.0	47.2		mg/Kg		94	80 - 120
Vanadium	50.0	48.5		mg/Kg		97	80 - 120
Zinc	50.0	49.0		mg/Kg		98	80 - 120

Lab Sample ID: LCSD 720-174138/3-A

Matrix: Solid

Analysis Batch: 174189

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 174138

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	50.0	49.1		mg/Kg		98	80 - 120	1	20
Arsenic	50.0	47.6		mg/Kg		95	80 - 120	0	20
Barium	50.0	47.7		mg/Kg		95	80 - 120	1	20
Beryllium	50.0	49.5		mg/Kg		99	80 - 120	0	20
Cadmium	50.0	48.3		mg/Kg		97	80 - 120	1	20
Chromium	50.0	49.6		mg/Kg		99	80 - 120	1	20
Cobalt	50.0	48.8		mg/Kg		98	80 - 120	1	20
Copper	50.0	49.7		mg/Kg		99	80 - 120	1	20
Lead	50.0	47.0		mg/Kg		94	80 - 120	2	20
Molybdenum	50.0	50.7		mg/Kg		101	80 - 120	0	20
Nickel	50.0	46.5		mg/Kg		93	80 - 120	2	20
Selenium	50.0	48.4		mg/Kg		97	80 - 120	0	20
Silver	25.0	23.2		mg/Kg		93	80 - 120	1	20
Thallium	50.0	46.4		mg/Kg		93	80 - 120	2	20
Vanadium	50.0	48.0		mg/Kg		96	80 - 120	1	20
Zinc	50.0	48.3		mg/Kg		97	80 - 120	1	20

Lab Sample ID: LCSSRM 720-174138/25-A

Matrix: Solid

Analysis Batch: 174189

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174138

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	74.6	43.8		mg/Kg		59	11 - 101
Arsenic	45.5	41.2		mg/Kg		91	69 - 119
Barium	579	503		mg/Kg		87	61 - 117
Beryllium	155	143		mg/Kg		92	56 - 102

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 720-174138/25-A

Matrix: Solid

Analysis Batch: 174189

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174138

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits	
Cadmium	201	176		mg/Kg		88	67 - 118	
Chromium	106	96.8		mg/Kg		91	67 - 121	
Cobalt	247	222		mg/Kg		90	64 - 133	
Copper	130	122		mg/Kg		94	68 - 126	
Lead	302	254		mg/Kg		84	62 - 113	
Molybdenum	165	148		mg/Kg		90	62 - 128	
Nickel	305	257		mg/Kg		84	65 - 117	
Selenium	133	125		mg/Kg		94	63 - 126	
Silver	33.5	28.9		mg/Kg		86	51 - 130	
Thallium	191	160		mg/Kg		84	64 - 124	
Vanadium	214	191		mg/Kg		89	67 - 123	
Zinc	388	343		mg/Kg		88	62 - 110	

Lab Sample ID: MB 720-174140/1-A

Matrix: Solid

Analysis Batch: 174251

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 174140

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	ND		0.50		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Arsenic	ND		1.0		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Barium	ND		0.50		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Beryllium	ND		0.10		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Cadmium	ND		0.13		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Chromium	ND		0.50		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Cobalt	ND		0.20		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Copper	ND		1.5		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Lead	ND		0.50		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Molybdenum	ND		0.50		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Nickel	ND		0.50		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Selenium	ND		1.0		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Silver	ND		0.25		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Thallium	ND		0.50		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Vanadium	ND		0.50		mg/Kg		01/14/15 19:03	01/16/15 11:00	1

Lab Sample ID: MB 720-174140/1-A

Matrix: Solid

Analysis Batch: 174309

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 174140

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Zinc	ND		1.5		mg/Kg		01/14/15 19:03	01/16/15 21:02	1

Lab Sample ID: LCS 720-174140/2-A

Matrix: Solid

Analysis Batch: 174251

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174140

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Antimony	50.0	47.0		mg/Kg		94	80 - 120	
Arsenic	50.0	50.1		mg/Kg		100	80 - 120	
Barium	50.0	49.6		mg/Kg		99	80 - 120	

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 720-174140/2-A

Matrix: Solid

Analysis Batch: 174251

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174140

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	50.0	51.1		mg/Kg		102	80 - 120
Cadmium	50.0	49.2		mg/Kg		98	80 - 120
Chromium	50.0	50.7		mg/Kg		101	80 - 120
Cobalt	50.0	49.6		mg/Kg		99	80 - 120
Copper	50.0	50.6		mg/Kg		101	80 - 120
Lead	50.0	50.8		mg/Kg		102	80 - 120
Molybdenum	50.0	51.2		mg/Kg		102	80 - 120
Nickel	50.0	50.0		mg/Kg		100	80 - 120
Selenium	50.0	48.0		mg/Kg		96	80 - 120
Silver	25.0	24.6		mg/Kg		98	80 - 120
Thallium	50.0	50.4		mg/Kg		101	80 - 120
Vanadium	50.0	51.1		mg/Kg		102	80 - 120

Lab Sample ID: LCS 720-174140/2-A

Matrix: Solid

Analysis Batch: 174309

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174140

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	50.0	48.4		mg/Kg		97	80 - 120

Lab Sample ID: LCSD 720-174140/3-A

Matrix: Solid

Analysis Batch: 174251

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 174140

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	50.0	47.3		mg/Kg		95	80 - 120	0	20
Arsenic	50.0	50.2		mg/Kg		100	80 - 120	0	20
Barium	50.0	50.2		mg/Kg		100	80 - 120	1	20
Beryllium	50.0	51.4		mg/Kg		103	80 - 120	1	20
Cadmium	50.0	49.4		mg/Kg		99	80 - 120	0	20
Chromium	50.0	51.3		mg/Kg		103	80 - 120	1	20
Cobalt	50.0	49.7		mg/Kg		99	80 - 120	0	20
Copper	50.0	50.5		mg/Kg		101	80 - 120	0	20
Lead	50.0	50.8		mg/Kg		102	80 - 120	0	20
Molybdenum	50.0	51.1		mg/Kg		102	80 - 120	0	20
Nickel	50.0	50.0		mg/Kg		100	80 - 120	0	20
Selenium	50.0	47.9		mg/Kg		96	80 - 120	0	20
Silver	25.0	24.8		mg/Kg		99	80 - 120	1	20
Thallium	50.0	50.4		mg/Kg		101	80 - 120	0	20
Vanadium	50.0	51.5		mg/Kg		103	80 - 120	1	20

Lab Sample ID: LCSD 720-174140/3-A

Matrix: Solid

Analysis Batch: 174309

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 174140

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Zinc	50.0	48.5		mg/Kg		97	80 - 120	0	20

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 720-174140/21-A

Matrix: Solid

Analysis Batch: 174251

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174140

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	74.6	36.6		mg/Kg		49	11 - 101
Arsenic	45.5	46.0		mg/Kg		101	69 - 119
Barium	579	577		mg/Kg		100	61 - 117
Beryllium	155	155		mg/Kg		100	56 - 102
Cadmium	201	190		mg/Kg		95	67 - 118
Chromium	106	103		mg/Kg		98	67 - 121
Cobalt	247	238		mg/Kg		96	64 - 133
Copper	130	129		mg/Kg		99	68 - 126
Lead	302	283		mg/Kg		94	62 - 113
Molybdenum	165	163		mg/Kg		99	62 - 128
Nickel	305	292		mg/Kg		96	65 - 117
Selenium	133	131		mg/Kg		99	63 - 126
Silver	33.5	31.7		mg/Kg		95	51 - 130
Thallium	191	184		mg/Kg		96	64 - 124
Vanadium	214	214		mg/Kg		100	67 - 123

Lab Sample ID: LCSSRM 720-174140/21-A

Matrix: Solid

Analysis Batch: 174309

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174140

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	388	354		mg/Kg		91	62 - 110

Lab Sample ID: 720-62341-1 MS

Matrix: Solid

Analysis Batch: 174251

Client Sample ID: B-4-1

Prep Type: Total/NA

Prep Batch: 174140

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND		37.0	5.72	F1	mg/Kg		15	75 - 125
Arsenic	ND		37.0	34.6		mg/Kg		90	75 - 125
Barium	130		37.0	282	F1	mg/Kg		403	75 - 125
Beryllium	ND		37.0	34.7		mg/Kg		94	75 - 125
Cadmium	ND		37.0	32.2		mg/Kg		87	75 - 125
Chromium	96		37.0	111	F1	mg/Kg		41	75 - 125
Cobalt	26		37.0	55.6		mg/Kg		79	75 - 125
Copper	68		37.0	103		mg/Kg		96	75 - 125
Lead	ND		37.0	32.9		mg/Kg		89	75 - 125
Molybdenum	ND		37.0	31.2		mg/Kg		84	75 - 125
Nickel	58		37.0	82.8	F1	mg/Kg		66	75 - 125
Selenium	ND		37.0	28.9		mg/Kg		78	75 - 125
Silver	ND		18.5	17.0		mg/Kg		92	75 - 125
Thallium	ND		37.0	32.0		mg/Kg		86	75 - 125
Vanadium	85		37.0	112	F1	mg/Kg		73	75 - 125

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 720-62341-1 MS

Matrix: Solid

Analysis Batch: 174309

Client Sample ID: B-4-1

Prep Type: Total/NA

Prep Batch: 174140

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	61		37.0	88.6	F1	mg/Kg		74	75 - 125

Lab Sample ID: 720-62341-1 MSD

Matrix: Solid

Analysis Batch: 174251

Client Sample ID: B-4-1

Prep Type: Total/NA

Prep Batch: 174140

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND		38.2	6.04	F1	mg/Kg		16	75 - 125	6	20
Arsenic	ND		38.2	35.6		mg/Kg		90	75 - 125	3	20
Barium	130		38.2	158	F1 F2	mg/Kg		66	75 - 125	56	20
Beryllium	ND		38.2	35.9		mg/Kg		94	75 - 125	3	20
Cadmium	ND		38.2	33.9		mg/Kg		89	75 - 125	5	20
Chromium	96		38.2	115	F1	mg/Kg		49	75 - 125	3	20
Cobalt	26		38.2	57.7		mg/Kg		82	75 - 125	4	20
Copper	68		38.2	96.1	F1	mg/Kg		74	75 - 125	7	20
Lead	ND		38.2	34.7		mg/Kg		91	75 - 125	5	20
Molybdenum	ND		38.2	32.5		mg/Kg		85	75 - 125	4	20
Nickel	58		38.2	86.6	F1	mg/Kg		74	75 - 125	4	20
Selenium	ND		38.2	29.2		mg/Kg		76	75 - 125	1	20
Silver	ND		19.1	17.6		mg/Kg		92	75 - 125	4	20
Thallium	ND		38.2	33.4		mg/Kg		88	75 - 125	4	20
Vanadium	85		38.2	111	F1	mg/Kg		67	75 - 125	1	20

Lab Sample ID: 720-62341-1 MSD

Matrix: Solid

Analysis Batch: 174309

Client Sample ID: B-4-1

Prep Type: Total/NA

Prep Batch: 174140

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Zinc	61		38.2	84.3	F1	mg/Kg		61	75 - 125	5	20

Lab Sample ID: MB 720-174116/1-A

Matrix: Water

Analysis Batch: 174135

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 174116

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		01/14/15 13:55	01/14/15 15:16	1

Lab Sample ID: LCS 720-174116/2-A

Matrix: Water

Analysis Batch: 174135

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 174116

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	0.850		mg/L		85	80 - 120

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 720-174116/3-A
Matrix: Water
Analysis Batch: 174135

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 174116

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	1.00	0.839		mg/L		84	80 - 120	1	20

Lab Sample ID: MB 720-174114/1-B
Matrix: Water
Analysis Batch: 174135

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 174116

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010		mg/L		01/14/15 13:55	01/14/15 15:20	1

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-174141/1-A
Matrix: Solid
Analysis Batch: 174263

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 174141

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		01/14/15 19:38	01/16/15 14:48	1

Lab Sample ID: LCS 720-174141/2-A
Matrix: Solid
Analysis Batch: 174263

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 174141

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.788		mg/Kg		95	80 - 120

Lab Sample ID: LCSD 720-174141/3-A
Matrix: Solid
Analysis Batch: 174263

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 174141

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.833	0.810		mg/Kg		97	80 - 120	3	20

TestAmerica Pleasanton

QC Association Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

GC/MS VOA

Analysis Batch: 174126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-1	B-4-1	Total/NA	Solid	8260B/CA_LUFT MS	174136
720-62341-2	B-2-1	Total/NA	Solid	8260B/CA_LUFT MS	174136
720-62341-3	B-5-1	Total/NA	Solid	8260B/CA_LUFT MS	174136
720-62341-4	B-5-6	Total/NA	Solid	8260B/CA_LUFT MS	174136
LCS 720-174126/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-174126/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-174126/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-174126/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-174126/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 174136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-1	B-4-1	Total/NA	Solid	5035	
720-62341-2	B-2-1	Total/NA	Solid	5035	
720-62341-3	B-5-1	Total/NA	Solid	5035	
720-62341-4	B-5-6	Total/NA	Solid	5035	

Analysis Batch: 174153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-7	B-7-1	Total/NA	Solid	8260B/CA_LUFT MS	174177
720-62341-8	B-7-6	Total/NA	Solid	8260B/CA_LUFT MS	174177
720-62341-9	B-8-1	Total/NA	Solid	8260B/CA_LUFT MS	174177
720-62341-10	B-8-6	Total/NA	Solid	8260B/CA_LUFT MS	174177
LCS 720-174153/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-174153/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-174153/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-174153/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-174153/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 174177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-7	B-7-1	Total/NA	Solid	5035	
720-62341-8	B-7-6	Total/NA	Solid	5035	
720-62341-9	B-8-1	Total/NA	Solid	5035	
720-62341-10	B-8-6	Total/NA	Solid	5035	

TestAmerica Pleasanton

QC Association Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

GC/MS VOA (Continued)

Analysis Batch: 174242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-13	B-7	Total/NA	Water	8260B/CA_LUFT MS	
720-62341-14	B-8	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-174242/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-174242/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-174242/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-174242/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-174242/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 174248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-11	B-5	Total/NA	Water	8260B/CA_LUFT MS	
720-62341-11 MS	B-5	Total/NA	Water	8260B/CA_LUFT MS	
720-62341-11 MSD	B-5	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-174248/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-174248/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-174248/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-174248/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-174248/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

GC Semi VOA

Analysis Batch: 174087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-1	B-4-1	Total/NA	Solid	8015B	174111
720-62341-1 MS	B-4-1	Total/NA	Solid	8015B	174111
720-62341-1 MSD	B-4-1	Total/NA	Solid	8015B	174111
720-62341-3	B-5-1	Total/NA	Solid	8015B	174111
720-62341-4	B-5-6	Total/NA	Solid	8015B	174111
720-62341-7	B-7-1	Total/NA	Solid	8015B	174111
720-62341-8	B-7-6	Total/NA	Solid	8015B	174111
720-62341-9	B-8-1	Total/NA	Solid	8015B	174111
720-62341-10	B-8-6	Total/NA	Solid	8015B	174111
LCS 720-174111/2-A	Lab Control Sample	Total/NA	Solid	8015B	174111
MB 720-174111/1-A	Method Blank	Total/NA	Solid	8015B	174111

Prep Batch: 174111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-1	B-4-1	Total/NA	Solid	3546	
720-62341-1 MS	B-4-1	Total/NA	Solid	3546	

TestAmerica Pleasanton

QC Association Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

GC Semi VOA (Continued)

Prep Batch: 174111 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-1 MSD	B-4-1	Total/NA	Solid	3546	
720-62341-3	B-5-1	Total/NA	Solid	3546	
720-62341-4	B-5-6	Total/NA	Solid	3546	
720-62341-7	B-7-1	Total/NA	Solid	3546	
720-62341-8	B-7-6	Total/NA	Solid	3546	
720-62341-9	B-8-1	Total/NA	Solid	3546	
720-62341-10	B-8-6	Total/NA	Solid	3546	
LCS 720-174111/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 720-174111/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 174172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-11	B-5	Total/NA	Water	3510C	
720-62341-13	B-7	Total/NA	Water	3510C	
720-62341-14	B-8	Total/NA	Water	3510C	
LCS 720-174172/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 720-174172/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 720-174172/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 174217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-11	B-5	Total/NA	Water	8015B	174172
720-62341-13	B-7	Total/NA	Water	8015B	174172
720-62341-14	B-8	Total/NA	Water	8015B	174172
LCS 720-174172/2-A	Lab Control Sample	Total/NA	Water	8015B	174172
LCSD 720-174172/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	174172
MB 720-174172/1-A	Method Blank	Total/NA	Water	8015B	174172

Metals

Filtration Batch: 174114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-11	B-5	Dissolved	Water	FILTRATION	
720-62341-12	B-6	Dissolved	Water	FILTRATION	
720-62341-13	B-7	Dissolved	Water	FILTRATION	
720-62341-14	B-8	Dissolved	Water	FILTRATION	
MB 720-174114/1-B	Method Blank	Dissolved	Water	FILTRATION	

Prep Batch: 174116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-11	B-5	Dissolved	Water	3005A	174114
720-62341-12	B-6	Dissolved	Water	3005A	174114
720-62341-13	B-7	Dissolved	Water	3005A	174114
720-62341-14	B-8	Dissolved	Water	3005A	174114
LCS 720-174116/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 720-174116/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
MB 720-174114/1-B	Method Blank	Dissolved	Water	3005A	174114
MB 720-174116/1-A	Method Blank	Total Recoverable	Water	3005A	

TestAmerica Pleasanton

QC Association Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Metals (Continued)

Analysis Batch: 174135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-11	B-5	Dissolved	Water	6010B	174116
720-62341-12	B-6	Dissolved	Water	6010B	174116
720-62341-13	B-7	Dissolved	Water	6010B	174116
720-62341-14	B-8	Dissolved	Water	6010B	174116
LCS 720-174116/2-A	Lab Control Sample	Total Recoverable	Water	6010B	174116
LCSD 720-174116/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010B	174116
MB 720-174114/1-B	Method Blank	Dissolved	Water	6010B	174116
MB 720-174116/1-A	Method Blank	Total Recoverable	Water	6010B	174116

Prep Batch: 174138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-5	B-6-1	Total/NA	Solid	3050B	
720-62341-6	B-6-6	Total/NA	Solid	3050B	
720-62341-7	B-7-1	Total/NA	Solid	3050B	
720-62341-8	B-7-6	Total/NA	Solid	3050B	
720-62341-9	B-8-1	Total/NA	Solid	3050B	
720-62341-10	B-8-6	Total/NA	Solid	3050B	
LCS 720-174138/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-174138/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 720-174138/25-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 720-174138/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 174140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-1	B-4-1	Total/NA	Solid	3050B	
720-62341-1 MS	B-4-1	Total/NA	Solid	3050B	
720-62341-1 MSD	B-4-1	Total/NA	Solid	3050B	
720-62341-2	B-2-1	Total/NA	Solid	3050B	
720-62341-3	B-5-1	Total/NA	Solid	3050B	
720-62341-4	B-5-6	Total/NA	Solid	3050B	
LCS 720-174140/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-174140/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 720-174140/21-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 720-174140/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 174141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-1	B-4-1	Total/NA	Solid	7471A	
720-62341-2	B-2-1	Total/NA	Solid	7471A	
720-62341-3	B-5-1	Total/NA	Solid	7471A	
720-62341-4	B-5-6	Total/NA	Solid	7471A	
720-62341-5	B-6-1	Total/NA	Solid	7471A	
720-62341-6	B-6-6	Total/NA	Solid	7471A	
720-62341-7	B-7-1	Total/NA	Solid	7471A	
720-62341-8	B-7-6	Total/NA	Solid	7471A	
720-62341-9	B-8-1	Total/NA	Solid	7471A	
720-62341-10	B-8-6	Total/NA	Solid	7471A	
LCS 720-174141/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-174141/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-174141/1-A	Method Blank	Total/NA	Solid	7471A	

TestAmerica Pleasanton

QC Association Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Metals (Continued)

Analysis Batch: 174189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-7	B-7-1	Total/NA	Solid	6010B	174138
LCS 720-174138/2-A	Lab Control Sample	Total/NA	Solid	6010B	174138
LCSD 720-174138/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	174138
LCSSRM 720-174138/25-A	Lab Control Sample	Total/NA	Solid	6010B	174138
MB 720-174138/1-A	Method Blank	Total/NA	Solid	6010B	174138

Analysis Batch: 174211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-5	B-6-1	Total/NA	Solid	6010B	174138
720-62341-6	B-6-6	Total/NA	Solid	6010B	174138
720-62341-7	B-7-1	Total/NA	Solid	6010B	174138
720-62341-8	B-7-6	Total/NA	Solid	6010B	174138
720-62341-9	B-8-1	Total/NA	Solid	6010B	174138
720-62341-10	B-8-6	Total/NA	Solid	6010B	174138

Analysis Batch: 174251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-1	B-4-1	Total/NA	Solid	6010B	174140
720-62341-1 MS	B-4-1	Total/NA	Solid	6010B	174140
720-62341-1 MSD	B-4-1	Total/NA	Solid	6010B	174140
720-62341-2	B-2-1	Total/NA	Solid	6010B	174140
LCS 720-174140/2-A	Lab Control Sample	Total/NA	Solid	6010B	174140
LCSD 720-174140/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	174140
LCSSRM 720-174140/21-A	Lab Control Sample	Total/NA	Solid	6010B	174140
MB 720-174140/1-A	Method Blank	Total/NA	Solid	6010B	174140

Analysis Batch: 174263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-1	B-4-1	Total/NA	Solid	7471A	174141
720-62341-2	B-2-1	Total/NA	Solid	7471A	174141
720-62341-3	B-5-1	Total/NA	Solid	7471A	174141
720-62341-4	B-5-6	Total/NA	Solid	7471A	174141
720-62341-5	B-6-1	Total/NA	Solid	7471A	174141
720-62341-6	B-6-6	Total/NA	Solid	7471A	174141
720-62341-7	B-7-1	Total/NA	Solid	7471A	174141
720-62341-8	B-7-6	Total/NA	Solid	7471A	174141
720-62341-9	B-8-1	Total/NA	Solid	7471A	174141
720-62341-10	B-8-6	Total/NA	Solid	7471A	174141
LCS 720-174141/2-A	Lab Control Sample	Total/NA	Solid	7471A	174141
LCSD 720-174141/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	174141
MB 720-174141/1-A	Method Blank	Total/NA	Solid	7471A	174141

Analysis Batch: 174287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-10	B-8-6	Total/NA	Solid	6010B	174138

Analysis Batch: 174309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-1	B-4-1	Total/NA	Solid	6010B	174140
720-62341-1 MS	B-4-1	Total/NA	Solid	6010B	174140
720-62341-1 MSD	B-4-1	Total/NA	Solid	6010B	174140

TestAmerica Pleasanton

QC Association Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Metals (Continued)

Analysis Batch: 174309 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62341-2	B-2-1	Total/NA	Solid	6010B	174140
720-62341-3	B-5-1	Total/NA	Solid	6010B	174140
720-62341-4	B-5-6	Total/NA	Solid	6010B	174140
LCS 720-174140/2-A	Lab Control Sample	Total/NA	Solid	6010B	174140
LCSD 720-174140/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	174140
LCSSRM 720-174140/21-A	Lab Control Sample	Total/NA	Solid	6010B	174140
MB 720-174140/1-A	Method Blank	Total/NA	Solid	6010B	174140

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-4-1

Date Collected: 01/13/15 09:00

Date Received: 01/13/15 19:00

Lab Sample ID: 720-62341-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			174136	01/13/15 21:50	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	174126	01/14/15 20:36	ASC	TAL PLS
Total/NA	Prep	3546			174111	01/14/15 11:57	NDU	TAL PLS
Total/NA	Analysis	8015B		1	174087	01/15/15 01:49	JXL	TAL PLS
Total/NA	Prep	3050B			174140	01/14/15 19:03	CTD	TAL PLS
Total/NA	Analysis	6010B		4	174251	01/16/15 11:36	EFH	TAL PLS
Total/NA	Prep	3050B			174140	01/14/15 19:03	CTD	TAL PLS
Total/NA	Analysis	6010B		4	174309	01/16/15 21:38	SLK	TAL PLS
Total/NA	Prep	7471A			174141	01/14/15 19:38	ASB	TAL PLS
Total/NA	Analysis	7471A		1	174263	01/16/15 15:09	EFH	TAL PLS

Client Sample ID: B-2-1

Date Collected: 01/13/15 10:45

Date Received: 01/13/15 19:00

Lab Sample ID: 720-62341-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			174136	01/13/15 21:50	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	174126	01/14/15 21:07	ASC	TAL PLS
Total/NA	Prep	3050B			174140	01/14/15 19:03	CTD	TAL PLS
Total/NA	Analysis	6010B		4	174251	01/16/15 11:41	EFH	TAL PLS
Total/NA	Prep	3050B			174140	01/14/15 19:03	CTD	TAL PLS
Total/NA	Analysis	6010B		4	174309	01/16/15 21:43	SLK	TAL PLS
Total/NA	Prep	7471A			174141	01/14/15 19:38	ASB	TAL PLS
Total/NA	Analysis	7471A		1	174263	01/16/15 15:11	EFH	TAL PLS

Client Sample ID: B-5-1

Date Collected: 01/13/15 12:31

Date Received: 01/13/15 19:00

Lab Sample ID: 720-62341-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			174136	01/13/15 21:50	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	174126	01/14/15 21:38	ASC	TAL PLS
Total/NA	Prep	3546			174111	01/14/15 11:57	NDU	TAL PLS
Total/NA	Analysis	8015B		1	174087	01/15/15 01:20	JXL	TAL PLS
Total/NA	Prep	3050B			174140	01/14/15 19:03	CTD	TAL PLS
Total/NA	Analysis	6010B		1	174309	01/16/15 21:48	SLK	TAL PLS
Total/NA	Prep	7471A			174141	01/14/15 19:38	ASB	TAL PLS
Total/NA	Analysis	7471A		1	174263	01/16/15 15:20	EFH	TAL PLS

TestAmerica Pleasanton

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-5-6

Lab Sample ID: 720-62341-4

Date Collected: 01/13/15 12:46

Matrix: Solid

Date Received: 01/13/15 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			174136	01/13/15 21:50	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	174126	01/14/15 22:09	ASC	TAL PLS
Total/NA	Prep	3546			174111	01/14/15 11:57	NDU	TAL PLS
Total/NA	Analysis	8015B		1	174087	01/14/15 23:53	JXL	TAL PLS
Total/NA	Prep	3050B			174140	01/14/15 19:03	CTD	TAL PLS
Total/NA	Analysis	6010B		1	174309	01/16/15 22:03	SLK	TAL PLS
Total/NA	Prep	7471A			174141	01/14/15 19:38	ASB	TAL PLS
Total/NA	Analysis	7471A		1	174263	01/16/15 15:22	EFH	TAL PLS

Client Sample ID: B-6-1

Lab Sample ID: 720-62341-5

Date Collected: 01/13/15 12:54

Matrix: Solid

Date Received: 01/13/15 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174138	01/14/15 18:34	CTD	TAL PLS
Total/NA	Analysis	6010B		1	174211	01/15/15 18:39	SLK	TAL PLS
Total/NA	Prep	7471A			174141	01/14/15 19:38	ASB	TAL PLS
Total/NA	Analysis	7471A		1	174263	01/16/15 15:25	EFH	TAL PLS

Client Sample ID: B-6-6

Lab Sample ID: 720-62341-6

Date Collected: 01/13/15 13:15

Matrix: Solid

Date Received: 01/13/15 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174138	01/14/15 18:34	CTD	TAL PLS
Total/NA	Analysis	6010B		1	174211	01/15/15 18:44	SLK	TAL PLS
Total/NA	Prep	7471A			174141	01/14/15 19:38	ASB	TAL PLS
Total/NA	Analysis	7471A		1	174263	01/16/15 15:28	EFH	TAL PLS

Client Sample ID: B-7-1

Lab Sample ID: 720-62341-7

Date Collected: 01/13/15 13:50

Matrix: Solid

Date Received: 01/13/15 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			174177	01/13/15 21:50	ASC	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	174153	01/15/15 12:33	ASC	TAL PLS
Total/NA	Prep	3546			174111	01/14/15 11:57	NDU	TAL PLS
Total/NA	Analysis	8015B		1	174087	01/15/15 00:22	JXL	TAL PLS
Total/NA	Prep	3050B			174138	01/14/15 18:34	CTD	TAL PLS
Total/NA	Analysis	6010B		4	174189	01/15/15 13:03	EFH	TAL PLS
Total/NA	Prep	3050B			174138	01/14/15 18:34	CTD	TAL PLS
Total/NA	Analysis	6010B		4	174211	01/15/15 18:59	SLK	TAL PLS
Total/NA	Prep	7471A			174141	01/14/15 19:38	ASB	TAL PLS

TestAmerica Pleasanton

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-7-1

Lab Sample ID: 720-62341-7

Date Collected: 01/13/15 13:50

Matrix: Solid

Date Received: 01/13/15 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471A		1	174263	01/16/15 15:32	EFH	TAL PLS

Client Sample ID: B-7-6

Lab Sample ID: 720-62341-8

Date Collected: 01/13/15 14:17

Matrix: Solid

Date Received: 01/13/15 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			174177	01/13/15 21:50	ASC	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	174153	01/15/15 13:01	ASC	TAL PLS
Total/NA	Prep	3546			174111	01/14/15 11:57	NDU	TAL PLS
Total/NA	Analysis	8015B		1	174087	01/15/15 00:51	JXL	TAL PLS
Total/NA	Prep	3050B			174138	01/14/15 18:34	CTD	TAL PLS
Total/NA	Analysis	6010B		1	174211	01/15/15 19:04	SLK	TAL PLS
Total/NA	Prep	7471A			174141	01/14/15 19:38	ASB	TAL PLS
Total/NA	Analysis	7471A		1	174263	01/16/15 15:35	EFH	TAL PLS

Client Sample ID: B-8-1

Lab Sample ID: 720-62341-9

Date Collected: 01/13/15 13:38

Matrix: Solid

Date Received: 01/13/15 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			174177	01/13/15 21:50	ASC	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	174153	01/15/15 13:29	ASC	TAL PLS
Total/NA	Prep	3546			174111	01/14/15 11:57	NDU	TAL PLS
Total/NA	Analysis	8015B		1	174087	01/15/15 02:18	JXL	TAL PLS
Total/NA	Prep	3050B			174138	01/14/15 18:34	CTD	TAL PLS
Total/NA	Analysis	6010B		1	174211	01/15/15 19:09	SLK	TAL PLS
Total/NA	Prep	7471A			174141	01/14/15 19:38	ASB	TAL PLS
Total/NA	Analysis	7471A		1	174263	01/16/15 15:38	EFH	TAL PLS

Client Sample ID: B-8-6

Lab Sample ID: 720-62341-10

Date Collected: 01/13/15 14:35

Matrix: Solid

Date Received: 01/13/15 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			174177	01/13/15 21:50	ASC	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	174153	01/15/15 13:57	ASC	TAL PLS
Total/NA	Prep	3546			174111	01/14/15 11:57	NDU	TAL PLS
Total/NA	Analysis	8015B		1	174087	01/14/15 23:24	JXL	TAL PLS
Total/NA	Prep	3050B			174138	01/14/15 18:34	CTD	TAL PLS
Total/NA	Analysis	6010B		1	174211	01/15/15 19:15	SLK	TAL PLS
Total/NA	Prep	3050B			174138	01/14/15 18:34	CTD	TAL PLS
Total/NA	Analysis	6010B		1	174287	01/16/15 20:03	SLK	TAL PLS

TestAmerica Pleasanton

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-8-6

Lab Sample ID: 720-62341-10

Date Collected: 01/13/15 14:35

Matrix: Solid

Date Received: 01/13/15 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			174141	01/14/15 19:38	ASB	TAL PLS
Total/NA	Analysis	7471A		1	174263	01/16/15 15:41	EFH	TAL PLS

Client Sample ID: B-5

Lab Sample ID: 720-62341-11

Date Collected: 01/13/15 13:10

Matrix: Water

Date Received: 01/13/15 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	174248	01/16/15 21:04	PDR	TAL PLS
Total/NA	Prep	3510C			174172	01/15/15 10:28	CJG	TAL PLS
Total/NA	Analysis	8015B		1	174217	01/16/15 12:15	JXL	TAL PLS
Dissolved	Filtration	FILTRATION			174114	01/14/15 12:49	ECT	TAL PLS
Dissolved	Prep	3005A			174116	01/14/15 13:55	ECT	TAL PLS
Dissolved	Analysis	6010B		1	174135	01/14/15 16:12	SLK	TAL PLS

Client Sample ID: B-6

Lab Sample ID: 720-62341-12

Date Collected: 01/13/15 13:23

Matrix: Water

Date Received: 01/13/15 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			174114	01/14/15 12:50	ECT	TAL PLS
Dissolved	Prep	3005A			174116	01/14/15 13:55	ECT	TAL PLS
Dissolved	Analysis	6010B		1	174135	01/14/15 16:17	SLK	TAL PLS

Client Sample ID: B-7

Lab Sample ID: 720-62341-13

Date Collected: 01/13/15 14:30

Matrix: Water

Date Received: 01/13/15 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	174242	01/16/15 17:07	ASC	TAL PLS
Total/NA	Prep	3510C			174172	01/15/15 10:28	CJG	TAL PLS
Total/NA	Analysis	8015B		1	174217	01/16/15 12:40	JXL	TAL PLS
Dissolved	Filtration	FILTRATION			174114	01/14/15 12:51	ECT	TAL PLS
Dissolved	Prep	3005A			174116	01/14/15 13:55	ECT	TAL PLS
Dissolved	Analysis	6010B		1	174135	01/14/15 16:22	SLK	TAL PLS

Client Sample ID: B-8

Lab Sample ID: 720-62341-14

Date Collected: 01/13/15 14:40

Matrix: Water

Date Received: 01/13/15 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	174242	01/16/15 17:37	ASC	TAL PLS
Total/NA	Prep	3510C			174172	01/15/15 10:28	CJG	TAL PLS

TestAmerica Pleasanton

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Client Sample ID: B-8

Lab Sample ID: 720-62341-14

Date Collected: 01/13/15 14:40

Matrix: Water

Date Received: 01/13/15 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015B		1	174217	01/16/15 13:04	JXL	TAL PLS
Dissolved	Filtration	FILTRATION			174114	01/14/15 12:53	ECT	TAL PLS
Dissolved	Prep	3005A			174116	01/14/15 13:55	ECT	TAL PLS
Dissolved	Analysis	6010B		1	174135	01/14/15 16:27	SLK	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

1

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14

Method Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTM S	8260B / CA LUFT MS	SW846	TAL PLS
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62341-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-62341-1	B-4-1	Solid	01/13/15 09:00	01/13/15 19:00
720-62341-2	B-2-1	Solid	01/13/15 10:45	01/13/15 19:00
720-62341-3	B-5-1	Solid	01/13/15 12:31	01/13/15 19:00
720-62341-4	B-5-6	Solid	01/13/15 12:46	01/13/15 19:00
720-62341-5	B-6-1	Solid	01/13/15 12:54	01/13/15 19:00
720-62341-6	B-6-6	Solid	01/13/15 13:15	01/13/15 19:00
720-62341-7	B-7-1	Solid	01/13/15 13:50	01/13/15 19:00
720-62341-8	B-7-6	Solid	01/13/15 14:17	01/13/15 19:00
720-62341-9	B-8-1	Solid	01/13/15 13:38	01/13/15 19:00
720-62341-10	B-8-6	Solid	01/13/15 14:35	01/13/15 19:00
720-62341-11	B-5	Water	01/13/15 13:10	01/13/15 19:00
720-62341-12	B-6	Water	01/13/15 13:23	01/13/15 19:00
720-62341-13	B-7	Water	01/13/15 14:30	01/13/15 19:00
720-62341-14	B-8	Water	01/13/15 14:40	01/13/15 19:00

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA Pleasanton Chain of Custody

1220 Quarry Lane • Pleasanton CA 94566-4756

Phone: (925) 484-1919 • Fax: (925) 600-3002

Reference #: 15.8674

Date Jan 13, 2015 Page 1 of 2

1/20/2015

Report To

Attn: Jason Grant

Company: Ninjo and Moore

Address: 1965 Webster. Ste. 400

Email: jgrant@ninjoandmoore.com

Bill To: 402068001

Sampled By:

Attn: J. Grant

Phone: 510-343-3000

Analysis Request

Attn: Jason Grant					Volatile Organics GC/MS (VOCs) ☐ EPA 8260B ☒ And EPA 8260B	HVOCs by ☐ EPA 8280B	EPA 8260B: ☐ Gas ☐ BTEX ☐ 5 Oxygenates ☐ DCA, EDB ☐ Ethand	TEPH EPA 8015B ☐ Silica Gel ☒ Diesel ☐ Motor Oil ☐ Other	SemiVolatile Organics GC/MS ☐ EPA 8270C	PNA/PAH's by ☐ 8270C ☐ 8270C SIM	Oil and Grease (EPA 1664/9071) ☐ Total	Pesticides ☐ EPA 8081 ☐ EPA 8082	CAM17 Metals (EPA 8010/7470/7471)	Metals: ☐ 6010B ☐ 200.7 ☐ Lead ☐ LUFT ☐ RCRA ☐ Other:	Metals: ☐ 6020 ☐ 200.8 (ICP-MS):	☐ W.E.T (STLC) ☐ W.E.T (DI) ☐ TCLP	Hex. Chrom by ☐ EPA 7196 ☐ or EPA 7199	pH ☐ 9040 ☐ SM4500	☐ Spec. Cond. ☐ Alkalinity ☐ TSS ☐ SS ☐ TDS	Anions: ☐ Cl ☐ SO ₄ ☐ NO ₃ ☐ F ☐ Br ☐ NO ₂ ☐ PO ₄	☐ Perchlorate by EPA 314.0	COD ☐ EPA 410.4 ☐ SMS220D ☐ Turbidity	VOCs Only	Number of Containers
Company: Ninyo and Moore																								
Address: 1965 Webster. Ste. 400																								
Email: jgrant@ninyoandmoore.com																								
Bill To: 402068001		Sampled By: Forrest McFarland																						
Attn: J. Grant		Phone: 510-343-3000																						
Sample ID	Date	Time	Mat rix	Preserv																				
B-4-1	1/13/15	0950	S	yes	X			X					X											4
B-2-1		1045	S	yes										X									X	4
B-5-1		1231	S	yes	X			X					X											4
B-5-6		1246	S	yes	X			X					X											4
B-6-1		1254	S	no									X											4
B-6-6		1315	S	no									X											4
B-7-1		1350	S	yes	X			X					X											4
B-7-6		1417	S	yes	X			X					X											4
B-8-1		1338	S	yes	X			X					X											4
B-8-6		1425	S	yes	X			X					X											4

Project Info. Sample Receipt

Project Name/ #: 402068001

of Containers:

Head Space:

PO#:

Temp: 1.1/2.3°C

Credit Card

Y/N:

If yes, please call with payment information ASAP

T
A
T

10 Day 5 Day 4 Day 3 Day 2 Day 1 Day

Other:

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ EDF

Special Instructions / Comments: ☐ Global ID

See Terms and Conditions on reverse

1) Relinquished by:

Forrest McFarland 1540

Signature Time
Printed Name Date

Ninjo and Moore 1/13/15

Signature Time
Printed Name Date

Ed Martin 1-13-15

Signature Time
Printed Name Date

TA

Signature Time
Printed Name Date

TA

2) Relinquished by:

Ed Martin 1900

Signature Time
Printed Name Date

TA

Signature Time
Printed Name Date

Ed Martin 1-13-15

Signature Time
Printed Name Date

TA

Signature Time
Printed Name Date

TA

3) Relinquished by:

Signature Time

Signature Time

Signature Time

Signature Time

Signature Time

Signature Time

Signature Time

Signature Time

Signature Time



720-62341 Chain of Custody

Rev.11/2014

Report To Analysis Request

Attn: Jason Grant
Company: Ninyo & Moore
Address: 1956 Webster, Oakland CA
Email: jgrant@ninyoandmoore.com
Bill To: 402068001 Sampled By: F. McFarland
Attn: J. Grant Phone: 510 343-3000

Sample ID	Date	Time	Mat rix	Preserv	Volat ☐ E	HVH ☐ 5	EPA ☐ 5	TEE ☒ 0	Se ☐ E	PNA	Oil a (EP ☐ 1	Pes PC ☐ 1	CAN (EP ☐ 1	Met ☐ L ☐ L Oth ☐ 1	Met (IC ☐ 1	☐ ☐	Hex	pH	☐ S ☐ 1	Ani ☐ 1	☐ P	CO ☐ 1	A	Nu	
~~B-1~~	~~1/13/15~~	~~1310~~	~~W~~	~~yes~~																					
~~B-2~~	~~1/13/15~~	~~1323~~	~~W~~	~~no~~																					
~~B-3~~	~~1/13/15~~	~~1430~~	~~W~~	~~yes~~																					
B-5	1/13/15	1310	W	yes	X	yes		X																X	
B-6	↓	1323	W	no																				X	
B-7	↓	1430	W	yes	X	yes		X																X	
B-8	↓	1440	W	yes	X	yes		X																X	

Project Info. Project Name/ #: _____ PO#: _____ Credit Card Y/N: _____ If yes, please call with payment information ASAP		Sample Receipt # of Containers: _____ Head Space: _____ Temp: _____		1) Relinquished by: <u>[Signature]</u> Signature _____ Time <u>1540</u> Printed Name <u>Forrest McFarland</u> Date <u>1/13/15</u> Company <u>Ninyo & Moore</u>		2) Relinquished by: <u>[Signature]</u> Signature _____ Time <u>1900</u> Printed Name <u>Ed Martin</u> Date <u>1.13.15</u> Company <u>TA</u>		3) Relinquished by: _____ Signature _____ Time _____ Printed Name _____ Date _____ Company _____	
TAT 10 Day 5 Day 4 Day 3 Day 2 Day 1 Day Other: _____ Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ EDF Special Instructions / Comments: ☐ Global ID _____		1) Received by: <u>[Signature]</u> Signature _____ Time <u>1540</u> Printed Name <u>Ed Martin</u> Date <u>1.13.15</u> Company <u>TA</u>		2) Received by: <u>[Signature]</u> Signature _____ Time <u>1900</u> Printed Name <u>J Grant</u> Date <u>1/13/15</u> Company <u>TA</u>		3) Received by: _____ Signature _____ Time _____ Printed Name _____ Date _____ Company _____			

See Terms and Conditions on reverse

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 720-62341-1

Login Number: 62341

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Gonzales, Justinn

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pleasanton

1220 Quarry Lane

Pleasanton, CA 94566

Tel: (925)484-1919

TestAmerica Job ID: 720-62365-1

Client Project/Site: Bay Road Improvements

For:

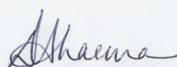
Ninyo & Moore

1956 Webster Street

Suite 400

Oakland, California 94612

Attn: Jason Grant



Authorized for release by:

1/21/2015 12:08:50 PM

Dimple Sharma, Senior Project Manager

(925)484-1919

dimple.sharma@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Job ID: 720-62365-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative 720-62365-1

Comments

No additional comments.

Receipt

The samples were received on 1/14/2015 2:25 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.7° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

Method 6010B: The following sample was diluted due to the abundance of non-target analyte: B-1-1 (720-62365-1), B-3-1 (720-62365-3). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Client Sample ID: B-1-1

Lab Sample ID: 720-62365-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	6.9		0.99		mg/Kg	1		8015B	Total/NA
Arsenic	4.9		3.2		mg/Kg	4		6010B	Total/NA
Barium	220		1.6		mg/Kg	4		6010B	Total/NA
Beryllium	0.58		0.32		mg/Kg	4		6010B	Total/NA
Chromium	38		1.6		mg/Kg	4		6010B	Total/NA
Cobalt	19		0.64		mg/Kg	4		6010B	Total/NA
Copper	40		4.8		mg/Kg	4		6010B	Total/NA
Lead	12		1.6		mg/Kg	4		6010B	Total/NA
Nickel	72		1.6		mg/Kg	4		6010B	Total/NA
Vanadium	45		1.6		mg/Kg	4		6010B	Total/NA
Zinc	56		4.8		mg/Kg	4		6010B	Total/NA
Mercury	0.048		0.0094		mg/Kg	1		7471A	Total/NA

Client Sample ID: B-1-5

Lab Sample ID: 720-62365-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	8.9		1.0		mg/Kg	1		8015B	Total/NA
Arsenic	5.6		0.99		mg/Kg	1		6010B	Total/NA
Barium	130		0.50		mg/Kg	1		6010B	Total/NA
Beryllium	0.33		0.099		mg/Kg	1		6010B	Total/NA
Cadmium	0.18		0.12		mg/Kg	1		6010B	Total/NA
Chromium	30		0.50		mg/Kg	1		6010B	Total/NA
Cobalt	7.8		0.20		mg/Kg	1		6010B	Total/NA
Copper	19		1.5		mg/Kg	1		6010B	Total/NA
Lead	9.3		0.50		mg/Kg	1		6010B	Total/NA
Molybdenum	0.53		0.50		mg/Kg	1		6010B	Total/NA
Nickel	34		0.50		mg/Kg	1		6010B	Total/NA
Vanadium	30		0.50		mg/Kg	1		6010B	Total/NA
Zinc	47		1.5		mg/Kg	1		6010B	Total/NA
Mercury	0.058		0.0086		mg/Kg	1		7471A	Total/NA

Client Sample ID: B-3-1

Lab Sample ID: 720-62365-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	2.9		0.99		mg/Kg	1		8015B	Total/NA
Barium	89		1.4		mg/Kg	4		6010B	Total/NA
Chromium	100		1.4		mg/Kg	4		6010B	Total/NA
Cobalt	63		0.56		mg/Kg	4		6010B	Total/NA
Copper	96		4.2		mg/Kg	4		6010B	Total/NA
Nickel	52		1.4		mg/Kg	4		6010B	Total/NA
Vanadium	77		1.4		mg/Kg	4		6010B	Total/NA
Zinc	52		4.2		mg/Kg	4		6010B	Total/NA
Mercury	0.011		0.0086		mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Client Sample ID: B-1-1

Lab Sample ID: 720-62365-1

Date Collected: 01/14/15 08:42

Matrix: Solid

Date Received: 01/14/15 14:25

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:50	1
Acenaphthylene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:50	1
Anthracene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:50	1
Benzo[a]anthracene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:50	1
Benzo[a]pyrene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:50	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:50	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:50	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:50	1
Chrysene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:50	1
Dibenz[a,h]anthracene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:50	1
Fluoranthene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:50	1
Fluorene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:50	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:50	1
Naphthalene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:50	1
Phenanthrene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:50	1
Pyrene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	72		33 - 120				01/15/15 08:52	01/16/15 11:50	1
Terphenyl-d14	82		35 - 146				01/15/15 08:52	01/16/15 11:50	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	6.9		0.99		mg/Kg		01/15/15 08:39	01/15/15 19:13	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		01/15/15 08:39	01/15/15 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	67		40 - 130				01/15/15 08:39	01/15/15 19:13	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 10:17	1
Dieldrin	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 10:17	1
Endrin aldehyde	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 10:17	1
Endrin	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 10:17	1
Endrin ketone	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 10:17	1
Heptachlor	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 10:17	1
Heptachlor epoxide	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 10:17	1
4,4'-DDT	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 10:17	1
4,4'-DDE	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 10:17	1
4,4'-DDD	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 10:17	1
Endosulfan I	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 10:17	1
Endosulfan II	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 10:17	1
alpha-BHC	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 10:17	1
beta-BHC	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 10:17	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 10:17	1
delta-BHC	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 10:17	1
Endosulfan sulfate	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 10:17	1
Methoxychlor	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 10:17	1
Toxaphene	ND		39		ug/Kg		01/15/15 08:43	01/17/15 10:17	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Client Sample ID: B-1-1

Lab Sample ID: 720-62365-1

Date Collected: 01/14/15 08:42

Matrix: Solid

Date Received: 01/14/15 14:25

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		39		ug/Kg		01/15/15 08:43	01/17/15 10:17	1
alpha-Chlordane	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 10:17	1
gamma-Chlordane	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 10:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	92		57 - 122				01/15/15 08:43	01/17/15 10:17	1
DCB Decachlorobiphenyl	116		21 - 136				01/15/15 08:43	01/17/15 10:17	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.6		mg/Kg		01/14/15 19:03	01/16/15 12:31	4
Arsenic	4.9		3.2		mg/Kg		01/14/15 19:03	01/16/15 12:31	4
Barium	220		1.6		mg/Kg		01/14/15 19:03	01/16/15 12:31	4
Beryllium	0.58		0.32		mg/Kg		01/14/15 19:03	01/16/15 12:31	4
Cadmium	ND		0.40		mg/Kg		01/14/15 19:03	01/16/15 12:31	4
Chromium	38		1.6		mg/Kg		01/14/15 19:03	01/16/15 12:31	4
Cobalt	19		0.64		mg/Kg		01/14/15 19:03	01/16/15 12:31	4
Copper	40		4.8		mg/Kg		01/14/15 19:03	01/16/15 12:31	4
Lead	12		1.6		mg/Kg		01/14/15 19:03	01/16/15 12:31	4
Molybdenum	ND		1.6		mg/Kg		01/14/15 19:03	01/16/15 12:31	4
Nickel	72		1.6		mg/Kg		01/14/15 19:03	01/16/15 12:31	4
Selenium	ND		3.2		mg/Kg		01/14/15 19:03	01/16/15 12:31	4
Silver	ND		0.80		mg/Kg		01/14/15 19:03	01/16/15 12:31	4
Thallium	ND		1.6		mg/Kg		01/14/15 19:03	01/16/15 12:31	4
Vanadium	45		1.6		mg/Kg		01/14/15 19:03	01/16/15 12:31	4
Zinc	56		4.8		mg/Kg		01/14/15 19:03	01/16/15 22:13	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.048		0.0094		mg/Kg		01/15/15 16:53	01/20/15 18:44	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Client Sample ID: B-1-5

Lab Sample ID: 720-62365-2

Date Collected: 01/14/15 09:05

Matrix: Solid

Date Received: 01/14/15 14:25

Method: 8270C SIM - PAHs by GCMS (SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 12:13	1
Acenaphthylene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 12:13	1
Anthracene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 12:13	1
Benzo[a]anthracene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 12:13	1
Benzo[a]pyrene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 12:13	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 12:13	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 12:13	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 12:13	1
Chrysene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 12:13	1
Dibenz[a,h]anthracene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 12:13	1
Fluoranthene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 12:13	1
Fluorene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 12:13	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 12:13	1
Naphthalene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 12:13	1
Phenanthrene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 12:13	1
Pyrene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 12:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	55		33 - 120				01/15/15 08:52	01/16/15 12:13	1
Terphenyl-d14	65		35 - 146				01/15/15 08:52	01/16/15 12:13	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	8.9		1.0		mg/Kg		01/15/15 08:39	01/15/15 18:44	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		01/15/15 08:39	01/15/15 18:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	67		40 - 130				01/15/15 08:39	01/15/15 18:44	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:34	1
Dieldrin	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:34	1
Endrin aldehyde	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:34	1
Endrin	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:34	1
Endrin ketone	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:34	1
Heptachlor	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:34	1
Heptachlor epoxide	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:34	1
4,4'-DDT	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:34	1
4,4'-DDE	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:34	1
4,4'-DDD	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:34	1
Endosulfan I	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:34	1
Endosulfan II	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:34	1
alpha-BHC	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:34	1
beta-BHC	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:34	1
gamma-BHC (Lindane)	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:34	1
delta-BHC	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:34	1
Endosulfan sulfate	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:34	1
Methoxychlor	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:34	1
Toxaphene	ND		39		ug/Kg		01/15/15 08:43	01/17/15 10:34	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Client Sample ID: B-1-5

Lab Sample ID: 720-62365-2

Date Collected: 01/14/15 09:05

Matrix: Solid

Date Received: 01/14/15 14:25

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		39		ug/Kg		01/15/15 08:43	01/17/15 10:34	1
alpha-Chlordane	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:34	1
gamma-Chlordane	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	93		57 - 122				01/15/15 08:43	01/17/15 10:34	1
DCB Decachlorobiphenyl	111		21 - 136				01/15/15 08:43	01/17/15 10:34	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		01/14/15 19:03	01/16/15 22:18	1
Arsenic	5.6		0.99		mg/Kg		01/14/15 19:03	01/16/15 22:18	1
Barium	130		0.50		mg/Kg		01/14/15 19:03	01/16/15 22:18	1
Beryllium	0.33		0.099		mg/Kg		01/14/15 19:03	01/16/15 22:18	1
Cadmium	0.18		0.12		mg/Kg		01/14/15 19:03	01/16/15 22:18	1
Chromium	30		0.50		mg/Kg		01/14/15 19:03	01/16/15 22:18	1
Cobalt	7.8		0.20		mg/Kg		01/14/15 19:03	01/16/15 22:18	1
Copper	19		1.5		mg/Kg		01/14/15 19:03	01/16/15 22:18	1
Lead	9.3		0.50		mg/Kg		01/14/15 19:03	01/16/15 22:18	1
Molybdenum	0.53		0.50		mg/Kg		01/14/15 19:03	01/16/15 22:18	1
Nickel	34		0.50		mg/Kg		01/14/15 19:03	01/16/15 22:18	1
Selenium	ND		0.99		mg/Kg		01/14/15 19:03	01/16/15 22:18	1
Silver	ND		0.25		mg/Kg		01/14/15 19:03	01/16/15 22:18	1
Thallium	ND		0.50		mg/Kg		01/14/15 19:03	01/16/15 22:18	1
Vanadium	30		0.50		mg/Kg		01/14/15 19:03	01/16/15 22:18	1
Zinc	47		1.5		mg/Kg		01/14/15 19:03	01/16/15 22:18	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.058		0.0086		mg/Kg		01/15/15 16:53	01/20/15 19:10	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Client Sample ID: B-3-1

Lab Sample ID: 720-62365-3

Date Collected: 01/14/15 10:10

Matrix: Solid

Date Received: 01/14/15 14:25

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Acetone	ND		43		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Benzene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Dichlorobromomethane	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Bromobenzene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Chlorobromomethane	ND		17		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Bromoform	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Bromomethane	ND		8.6		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
2-Butanone (MEK)	ND		43		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
n-Butylbenzene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
sec-Butylbenzene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
tert-Butylbenzene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Carbon disulfide	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Carbon tetrachloride	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Chlorobenzene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Chloroethane	ND		8.6		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Chloroform	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Chloromethane	ND		8.6		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
2-Chlorotoluene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
4-Chlorotoluene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Chlorodibromomethane	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
1,2-Dichlorobenzene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
1,3-Dichlorobenzene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
1,4-Dichlorobenzene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
1,3-Dichloropropane	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
1,1-Dichloropropene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
1,2-Dibromo-3-Chloropropane	ND		8.6		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Ethylene Dibromide	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Dibromomethane	ND		8.6		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Dichlorodifluoromethane	ND		8.6		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
1,1-Dichloroethane	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
1,2-Dichloroethane	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
1,1-Dichloroethene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
cis-1,2-Dichloroethene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
trans-1,2-Dichloroethene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
1,2-Dichloropropane	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
cis-1,3-Dichloropropene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
trans-1,3-Dichloropropene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Ethylbenzene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Hexachlorobutadiene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
2-Hexanone	ND		43		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Isopropylbenzene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
4-Isopropyltoluene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Methylene Chloride	ND		8.6		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
4-Methyl-2-pentanone (MIBK)	ND		43		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Naphthalene	ND		8.6		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
N-Propylbenzene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Styrene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
1,1,1,2-Tetrachloroethane	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Client Sample ID: B-3-1

Lab Sample ID: 720-62365-3

Date Collected: 01/14/15 10:10

Matrix: Solid

Date Received: 01/14/15 14:25

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Tetrachloroethene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Toluene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
1,2,3-Trichlorobenzene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
1,2,4-Trichlorobenzene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
1,1,1-Trichloroethane	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
1,1,2-Trichloroethane	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Trichloroethene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Trichlorofluoromethane	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
1,2,3-Trichloropropane	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
1,2,4-Trimethylbenzene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
1,3,5-Trimethylbenzene	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Vinyl acetate	ND		17		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Vinyl chloride	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Xylenes, Total	ND		8.6		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
2,2-Dichloropropane	ND		4.3		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
Gasoline Range Organics (GRO)	ND		220		ug/Kg		01/14/15 19:25	01/15/15 14:26	1
-C5-C12									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	88		45 - 131				01/14/15 19:25	01/15/15 14:26	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 140				01/14/15 19:25	01/15/15 14:26	1
Toluene-d8 (Surr)	92		58 - 140				01/14/15 19:25	01/15/15 14:26	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	2.9		0.99		mg/Kg		01/15/15 08:39	01/15/15 18:15	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		01/15/15 08:39	01/15/15 18:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl	99		40 - 130				01/15/15 08:39	01/15/15 18:15	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:51	1
Dieldrin	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:51	1
Endrin aldehyde	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:51	1
Endrin	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:51	1
Endrin ketone	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:51	1
Heptachlor	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:51	1
Heptachlor epoxide	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:51	1
4,4'-DDT	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:51	1
4,4'-DDE	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:51	1
4,4'-DDD	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:51	1
Endosulfan I	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:51	1
Endosulfan II	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:51	1
alpha-BHC	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:51	1
beta-BHC	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:51	1
gamma-BHC (Lindane)	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:51	1
delta-BHC	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:51	1

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Client Sample ID: B-3-1

Lab Sample ID: 720-62365-3

Date Collected: 01/14/15 10:10

Matrix: Solid

Date Received: 01/14/15 14:25

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:51	1
Methoxychlor	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:51	1
Toxaphene	ND		39		ug/Kg		01/15/15 08:43	01/17/15 10:51	1
Chlordane (technical)	ND		39		ug/Kg		01/15/15 08:43	01/17/15 10:51	1
alpha-Chlordane	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:51	1
gamma-Chlordane	ND		1.9		ug/Kg		01/15/15 08:43	01/17/15 10:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	103		57 - 122	01/15/15 08:43	01/17/15 10:51	1
DCB Decachlorobiphenyl	134		21 - 136	01/15/15 08:43	01/17/15 10:51	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.4		mg/Kg		01/14/15 19:03	01/16/15 12:41	4
Arsenic	ND		2.8		mg/Kg		01/14/15 19:03	01/16/15 12:41	4
Barium	89		1.4		mg/Kg		01/14/15 19:03	01/16/15 12:41	4
Beryllium	ND		0.28		mg/Kg		01/14/15 19:03	01/16/15 12:41	4
Cadmium	ND		0.35		mg/Kg		01/14/15 19:03	01/16/15 12:41	4
Chromium	100		1.4		mg/Kg		01/14/15 19:03	01/16/15 12:41	4
Cobalt	63		0.56		mg/Kg		01/14/15 19:03	01/16/15 12:41	4
Copper	96		4.2		mg/Kg		01/14/15 19:03	01/16/15 12:41	4
Lead	ND		1.4		mg/Kg		01/14/15 19:03	01/16/15 12:41	4
Molybdenum	ND		1.4		mg/Kg		01/14/15 19:03	01/16/15 12:41	4
Nickel	52		1.4		mg/Kg		01/14/15 19:03	01/16/15 12:41	4
Selenium	ND		2.8		mg/Kg		01/14/15 19:03	01/16/15 12:41	4
Silver	ND		0.70		mg/Kg		01/14/15 19:03	01/16/15 12:41	4
Thallium	ND		1.4		mg/Kg		01/14/15 19:03	01/16/15 12:41	4
Vanadium	77		1.4		mg/Kg		01/14/15 19:03	01/16/15 12:41	4
Zinc	52		4.2		mg/Kg		01/14/15 19:03	01/16/15 22:23	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011		0.0086		mg/Kg		01/15/15 16:53	01/20/15 19:13	1

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-174153/4

Matrix: Solid

Analysis Batch: 174153

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg			01/15/15 09:40	1
Acetone	ND		50		ug/Kg			01/15/15 09:40	1
Benzene	ND		5.0		ug/Kg			01/15/15 09:40	1
Dichlorobromomethane	ND		5.0		ug/Kg			01/15/15 09:40	1
Bromobenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
Chlorobromomethane	ND		20		ug/Kg			01/15/15 09:40	1
Bromoform	ND		5.0		ug/Kg			01/15/15 09:40	1
Bromomethane	ND		10		ug/Kg			01/15/15 09:40	1
2-Butanone (MEK)	ND		50		ug/Kg			01/15/15 09:40	1
n-Butylbenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
sec-Butylbenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
tert-Butylbenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
Carbon disulfide	ND		5.0		ug/Kg			01/15/15 09:40	1
Carbon tetrachloride	ND		5.0		ug/Kg			01/15/15 09:40	1
Chlorobenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
Chloroethane	ND		10		ug/Kg			01/15/15 09:40	1
Chloroform	ND		5.0		ug/Kg			01/15/15 09:40	1
Chloromethane	ND		10		ug/Kg			01/15/15 09:40	1
2-Chlorotoluene	ND		5.0		ug/Kg			01/15/15 09:40	1
4-Chlorotoluene	ND		5.0		ug/Kg			01/15/15 09:40	1
Chlorodibromomethane	ND		5.0		ug/Kg			01/15/15 09:40	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
1,3-Dichloropropane	ND		5.0		ug/Kg			01/15/15 09:40	1
1,1-Dichloropropene	ND		5.0		ug/Kg			01/15/15 09:40	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			01/15/15 09:40	1
Ethylene Dibromide	ND		5.0		ug/Kg			01/15/15 09:40	1
Dibromomethane	ND		10		ug/Kg			01/15/15 09:40	1
Dichlorodifluoromethane	ND		10		ug/Kg			01/15/15 09:40	1
1,1-Dichloroethane	ND		5.0		ug/Kg			01/15/15 09:40	1
1,2-Dichloroethane	ND		5.0		ug/Kg			01/15/15 09:40	1
1,1-Dichloroethene	ND		5.0		ug/Kg			01/15/15 09:40	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			01/15/15 09:40	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg			01/15/15 09:40	1
1,2-Dichloropropane	ND		5.0		ug/Kg			01/15/15 09:40	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg			01/15/15 09:40	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg			01/15/15 09:40	1
Ethylbenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
Hexachlorobutadiene	ND		5.0		ug/Kg			01/15/15 09:40	1
2-Hexanone	ND		50		ug/Kg			01/15/15 09:40	1
Isopropylbenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
4-Isopropyltoluene	ND		5.0		ug/Kg			01/15/15 09:40	1
Methylene Chloride	ND		10		ug/Kg			01/15/15 09:40	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg			01/15/15 09:40	1
Naphthalene	ND		10		ug/Kg			01/15/15 09:40	1
N-Propylbenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
Styrene	ND		5.0		ug/Kg			01/15/15 09:40	1

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-174153/4

Matrix: Solid

Analysis Batch: 174153

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			01/15/15 09:40	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg			01/15/15 09:40	1
Tetrachloroethene	ND		5.0		ug/Kg			01/15/15 09:40	1
Toluene	ND		5.0		ug/Kg			01/15/15 09:40	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg			01/15/15 09:40	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg			01/15/15 09:40	1
Trichloroethene	ND		5.0		ug/Kg			01/15/15 09:40	1
Trichlorofluoromethane	ND		5.0		ug/Kg			01/15/15 09:40	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg			01/15/15 09:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg			01/15/15 09:40	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg			01/15/15 09:40	1
Vinyl acetate	ND		20		ug/Kg			01/15/15 09:40	1
Vinyl chloride	ND		5.0		ug/Kg			01/15/15 09:40	1
Xylenes, Total	ND		10		ug/Kg			01/15/15 09:40	1
2,2-Dichloropropane	ND		5.0		ug/Kg			01/15/15 09:40	1
Gasoline Range Organics (GRO)	ND		250		ug/Kg			01/15/15 09:40	1
-C5-C12									

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		45 - 131		01/15/15 09:40	1
1,2-Dichloroethane-d4 (Surr)	91		60 - 140		01/15/15 09:40	1
Toluene-d8 (Surr)	93		58 - 140		01/15/15 09:40	1

Lab Sample ID: LCS 720-174153/5

Matrix: Solid

Analysis Batch: 174153

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	47.7		ug/Kg		95	70 - 144
Acetone	250	226		ug/Kg		90	30 - 162
Benzene	50.0	49.0		ug/Kg		98	70 - 130
Dichlorobromomethane	50.0	49.8		ug/Kg		100	70 - 131
Bromobenzene	50.0	50.2		ug/Kg		100	70 - 130
Chlorobromomethane	50.0	48.9		ug/Kg		98	70 - 130
Bromoform	50.0	50.7		ug/Kg		101	59 - 158
Bromomethane	50.0	47.0		ug/Kg		94	59 - 132
2-Butanone (MEK)	250	233		ug/Kg		93	53 - 124
n-Butylbenzene	50.0	52.6		ug/Kg		105	70 - 142
sec-Butylbenzene	50.0	52.1		ug/Kg		104	70 - 136
tert-Butylbenzene	50.0	52.8		ug/Kg		106	70 - 130
Carbon disulfide	50.0	47.5		ug/Kg		95	60 - 140
Carbon tetrachloride	50.0	52.2		ug/Kg		104	70 - 138
Chlorobenzene	50.0	49.0		ug/Kg		98	70 - 130
Chloroethane	50.0	48.6		ug/Kg		97	65 - 130
Chloroform	50.0	48.7		ug/Kg		97	77 - 127

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-174153/5

Matrix: Solid

Analysis Batch: 174153

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	50.0	45.7		ug/Kg		91	55 - 140
2-Chlorotoluene	50.0	50.7		ug/Kg		101	70 - 138
4-Chlorotoluene	50.0	50.6		ug/Kg		101	70 - 136
Chlorodibromomethane	50.0	51.8		ug/Kg		104	70 - 146
1,2-Dichlorobenzene	50.0	49.0		ug/Kg		98	70 - 130
1,3-Dichlorobenzene	50.0	49.3		ug/Kg		99	70 - 131
1,4-Dichlorobenzene	50.0	48.9		ug/Kg		98	70 - 130
1,3-Dichloropropane	50.0	47.6		ug/Kg		95	70 - 140
1,1-Dichloropropene	50.0	55.6		ug/Kg		111	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	50.1		ug/Kg		100	60 - 145
Ethylene Dibromide	50.0	48.9		ug/Kg		98	70 - 140
Dibromomethane	50.0	48.5		ug/Kg		97	70 - 139
Dichlorodifluoromethane	50.0	44.9		ug/Kg		90	37 - 158
1,1-Dichloroethane	50.0	49.9		ug/Kg		100	70 - 130
1,2-Dichloroethane	50.0	46.4		ug/Kg		93	70 - 130
1,1-Dichloroethene	50.0	46.9		ug/Kg		94	76 - 122
cis-1,2-Dichloroethene	50.0	49.2		ug/Kg		98	70 - 138
trans-1,2-Dichloroethene	50.0	50.4		ug/Kg		101	67 - 130
1,2-Dichloropropane	50.0	49.7		ug/Kg		99	73 - 127
cis-1,3-Dichloropropene	50.0	54.3		ug/Kg		109	68 - 147
trans-1,3-Dichloropropene	50.0	58.0		ug/Kg		116	70 - 136
Ethylbenzene	50.0	48.4		ug/Kg		97	80 - 137
Hexachlorobutadiene	50.0	52.3		ug/Kg		105	70 - 132
2-Hexanone	250	230		ug/Kg		92	44 - 133
Isopropylbenzene	50.0	53.4		ug/Kg		107	70 - 130
4-Isopropyltoluene	50.0	50.7		ug/Kg		101	70 - 133
Methylene Chloride	50.0	49.0		ug/Kg		98	70 - 134
4-Methyl-2-pentanone (MIBK)	250	236		ug/Kg		94	60 - 160
Naphthalene	50.0	51.2		ug/Kg		102	60 - 147
N-Propylbenzene	50.0	52.8		ug/Kg		106	70 - 130
Styrene	50.0	55.7		ug/Kg		111	70 - 130
1,1,1,2-Tetrachloroethane	50.0	52.3		ug/Kg		105	70 - 130
1,1,2,2-Tetrachloroethane	50.0	47.3		ug/Kg		95	70 - 146
Tetrachloroethene	50.0	51.9		ug/Kg		104	70 - 132
Toluene	50.0	49.9		ug/Kg		100	80 - 128
1,2,3-Trichlorobenzene	50.0	49.8		ug/Kg		100	60 - 140
1,2,4-Trichlorobenzene	50.0	52.4		ug/Kg		105	60 - 140
1,1,1-Trichloroethane	50.0	50.2		ug/Kg		100	70 - 130
1,1,2-Trichloroethane	50.0	47.9		ug/Kg		96	70 - 130
Trichloroethene	50.0	51.2		ug/Kg		102	70 - 133
Trichlorofluoromethane	50.0	50.7		ug/Kg		101	60 - 140
1,2,3-Trichloropropane	50.0	47.1		ug/Kg		94	70 - 146
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.3		ug/Kg		95	60 - 140
1,2,4-Trimethylbenzene	50.0	51.8		ug/Kg		104	70 - 130
1,3,5-Trimethylbenzene	50.0	52.8		ug/Kg		106	70 - 131
Vinyl acetate	50.0	51.2		ug/Kg		102	38 - 176
Vinyl chloride	50.0	47.5		ug/Kg		95	58 - 125

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-174153/5

Matrix: Solid

Analysis Batch: 174153

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	50.0	51.6		ug/Kg		103	70 - 146
o-Xylene	50.0	50.7		ug/Kg		101	70 - 140
2,2-Dichloropropane	50.0	52.6		ug/Kg		105	70 - 162

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	97		45 - 131
1,2-Dichloroethane-d4 (Surr)	90		60 - 140
Toluene-d8 (Surr)	97		58 - 140

Lab Sample ID: LCS 720-174153/7

Matrix: Solid

Analysis Batch: 174153

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)	1000	1020		ug/Kg		102	61 - 128
-C5-C12							

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	96		45 - 131
1,2-Dichloroethane-d4 (Surr)	90		60 - 140
Toluene-d8 (Surr)	96		58 - 140

Lab Sample ID: LCSD 720-174153/6

Matrix: Solid

Analysis Batch: 174153

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	51.8		ug/Kg		104	70 - 144	8	20
Acetone	250	253		ug/Kg		101	30 - 162	11	30
Benzene	50.0	48.2		ug/Kg		96	70 - 130	2	20
Dichlorobromomethane	50.0	49.9		ug/Kg		100	70 - 131	0	20
Bromobenzene	50.0	49.7		ug/Kg		99	70 - 130	1	20
Chlorobromomethane	50.0	50.1		ug/Kg		100	70 - 130	2	20
Bromoform	50.0	54.3		ug/Kg		109	59 - 158	7	20
Bromomethane	50.0	47.1		ug/Kg		94	59 - 132	0	20
2-Butanone (MEK)	250	276		ug/Kg		110	53 - 124	17	20
n-Butylbenzene	50.0	50.3		ug/Kg		101	70 - 142	5	20
sec-Butylbenzene	50.0	50.7		ug/Kg		101	70 - 136	3	20
tert-Butylbenzene	50.0	50.9		ug/Kg		102	70 - 130	4	20
Carbon disulfide	50.0	46.1		ug/Kg		92	60 - 140	3	20
Carbon tetrachloride	50.0	50.6		ug/Kg		101	70 - 138	3	20
Chlorobenzene	50.0	47.6		ug/Kg		95	70 - 130	3	20
Chloroethane	50.0	48.4		ug/Kg		97	65 - 130	0	20
Chloroform	50.0	48.2		ug/Kg		96	77 - 127	1	20
Chloromethane	50.0	46.9		ug/Kg		94	55 - 140	3	20
2-Chlorotoluene	50.0	49.3		ug/Kg		99	70 - 138	3	20
4-Chlorotoluene	50.0	49.5		ug/Kg		99	70 - 136	2	20
Chlorodibromomethane	50.0	53.9		ug/Kg		108	70 - 146	4	20

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-174153/6

Matrix: Solid

Analysis Batch: 174153

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichlorobenzene	50.0	49.1		ug/Kg		98	70 - 130	0	20
1,3-Dichlorobenzene	50.0	48.5		ug/Kg		97	70 - 131	2	20
1,4-Dichlorobenzene	50.0	48.0		ug/Kg		96	70 - 130	2	20
1,3-Dichloropropane	50.0	49.9		ug/Kg		100	70 - 140	5	20
1,1-Dichloropropene	50.0	53.7		ug/Kg		107	70 - 130	4	20
1,2-Dibromo-3-Chloropropane	50.0	57.6		ug/Kg		115	60 - 145	14	20
Ethylene Dibromide	50.0	52.0		ug/Kg		104	70 - 140	6	20
Dibromomethane	50.0	50.7		ug/Kg		101	70 - 139	5	20
Dichlorodifluoromethane	50.0	44.7		ug/Kg		89	37 - 158	1	20
1,1-Dichloroethane	50.0	49.2		ug/Kg		98	70 - 130	1	20
1,2-Dichloroethane	50.0	47.2		ug/Kg		94	70 - 130	2	20
1,1-Dichloroethene	50.0	45.0		ug/Kg		90	76 - 122	4	20
cis-1,2-Dichloroethene	50.0	47.9		ug/Kg		96	70 - 138	3	20
trans-1,2-Dichloroethene	50.0	49.1		ug/Kg		98	67 - 130	3	20
1,2-Dichloropropane	50.0	49.5		ug/Kg		99	73 - 127	0	20
cis-1,3-Dichloropropene	50.0	55.4		ug/Kg		111	68 - 147	2	20
trans-1,3-Dichloropropene	50.0	60.7		ug/Kg		121	70 - 136	4	20
Ethylbenzene	50.0	46.5		ug/Kg		93	80 - 137	4	20
Hexachlorobutadiene	50.0	50.0		ug/Kg		100	70 - 132	5	20
2-Hexanone	250	280		ug/Kg		112	44 - 133	20	20
Isopropylbenzene	50.0	51.7		ug/Kg		103	70 - 130	3	20
4-Isopropyltoluene	50.0	48.8		ug/Kg		98	70 - 133	4	20
Methylene Chloride	50.0	49.0		ug/Kg		98	70 - 134	0	20
4-Methyl-2-pentanone (MIBK)	250	284		ug/Kg		114	60 - 160	19	20
Naphthalene	50.0	56.3		ug/Kg		113	60 - 147	10	20
N-Propylbenzene	50.0	50.6		ug/Kg		101	70 - 130	4	20
Styrene	50.0	54.7		ug/Kg		109	70 - 130	2	20
1,1,1,2-Tetrachloroethane	50.0	51.7		ug/Kg		103	70 - 130	1	20
1,1,2,2-Tetrachloroethane	50.0	52.2		ug/Kg		104	70 - 146	10	20
Tetrachloroethene	50.0	49.8		ug/Kg		100	70 - 132	4	20
Toluene	50.0	48.2		ug/Kg		96	80 - 128	3	20
1,2,3-Trichlorobenzene	50.0	50.7		ug/Kg		101	60 - 140	2	20
1,2,4-Trichlorobenzene	50.0	52.2		ug/Kg		104	60 - 140	0	20
1,1,1-Trichloroethane	50.0	48.8		ug/Kg		98	70 - 130	3	20
1,1,2-Trichloroethane	50.0	51.0		ug/Kg		102	70 - 130	6	20
Trichloroethene	50.0	50.0		ug/Kg		100	70 - 133	2	20
Trichlorofluoromethane	50.0	50.0		ug/Kg		100	60 - 140	1	20
1,2,3-Trichloropropane	50.0	52.6		ug/Kg		105	70 - 146	11	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	46.1		ug/Kg		92	60 - 140	2	20
1,2,4-Trimethylbenzene	50.0	50.2		ug/Kg		100	70 - 130	3	20
1,3,5-Trimethylbenzene	50.0	51.2		ug/Kg		102	70 - 131	3	20
Vinyl acetate	50.0	57.3		ug/Kg		115	38 - 176	11	20
Vinyl chloride	50.0	47.0		ug/Kg		94	58 - 125	1	20
m-Xylene & p-Xylene	50.0	49.8		ug/Kg		100	70 - 146	4	20
o-Xylene	50.0	49.3		ug/Kg		99	70 - 140	3	20
2,2-Dichloropropane	50.0	50.4		ug/Kg		101	70 - 162	4	20

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-174153/6

Matrix: Solid

Analysis Batch: 174153

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	98		45 - 131
1,2-Dichloroethane-d4 (Surr)	95		60 - 140
Toluene-d8 (Surr)	98		58 - 140

Lab Sample ID: LCSD 720-174153/8

Matrix: Solid

Analysis Batch: 174153

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	1020		ug/Kg		102	61 - 128	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	97		45 - 131
1,2-Dichloroethane-d4 (Surr)	95		60 - 140
Toluene-d8 (Surr)	97		58 - 140

Method: 8270C SIM - PAHs by GCMS (SIM)

Lab Sample ID: MB 720-174162/1-A

Matrix: Solid

Analysis Batch: 174233

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 174162

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:28	1
Acenaphthylene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:28	1
Anthracene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:28	1
Benzo[a]anthracene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:28	1
Benzo[a]pyrene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:28	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:28	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:28	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:28	1
Chrysene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:28	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:28	1
Fluoranthene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:28	1
Fluorene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:28	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:28	1
Naphthalene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:28	1
Phenanthrene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:28	1
Pyrene	ND		5.0		ug/Kg		01/15/15 08:52	01/16/15 11:28	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	71		33 - 120				01/15/15 08:52	01/16/15 11:28	1
Terphenyl-d14	81		35 - 146				01/15/15 08:52	01/16/15 11:28	1

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Method: 8270C SIM - PAHs by GCMS (SIM) (Continued)

Lab Sample ID: LCS 720-174162/2-A

Matrix: Solid

Analysis Batch: 174233

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174162

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	329	231		ug/Kg		70	49 - 120
Acenaphthylene	329	247		ug/Kg		75	52 - 120
Anthracene	329	255		ug/Kg		77	52 - 120
Benzo[a]anthracene	329	293		ug/Kg		89	52 - 120
Benzo[a]pyrene	329	274		ug/Kg		83	54 - 120
Benzo[b]fluoranthene	329	273		ug/Kg		83	51 - 120
Benzo[g,h,i]perylene	329	267		ug/Kg		81	48 - 120
Benzo[k]fluoranthene	329	266		ug/Kg		81	56 - 120
Chrysene	329	247		ug/Kg		75	40 - 120
Dibenz(a,h)anthracene	329	269		ug/Kg		82	50 - 120
Fluoranthene	329	270		ug/Kg		82	57 - 120
Fluorene	329	246		ug/Kg		75	52 - 120
Indeno[1,2,3-cd]pyrene	329	273		ug/Kg		83	48 - 120
Naphthalene	329	229		ug/Kg		70	46 - 120
Phenanthrene	329	252		ug/Kg		77	48 - 120
Pyrene	329	294		ug/Kg		89	53 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	73		33 - 120
Terphenyl-d14	85		35 - 146

Lab Sample ID: 720-62365-1 MS

Matrix: Solid

Analysis Batch: 174233

Client Sample ID: B-1-1

Prep Type: Total/NA

Prep Batch: 174162

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		333	235		ug/Kg		71	33 - 120
Acenaphthylene	ND		333	252		ug/Kg		76	28 - 120
Anthracene	ND		333	256		ug/Kg		77	36 - 120
Benzo[a]anthracene	ND		333	287		ug/Kg		86	29 - 120
Benzo[a]pyrene	ND		333	264		ug/Kg		79	24 - 120
Benzo[b]fluoranthene	ND		333	263		ug/Kg		78	17 - 132
Benzo[g,h,i]perylene	ND		333	217		ug/Kg		65	21 - 120
Benzo[k]fluoranthene	ND		333	256		ug/Kg		77	35 - 120
Chrysene	ND		333	240		ug/Kg		72	29 - 120
Dibenz(a,h)anthracene	ND		333	238		ug/Kg		71	36 - 120
Fluoranthene	ND		333	268		ug/Kg		80	24 - 120
Fluorene	ND		333	254		ug/Kg		76	35 - 120
Indeno[1,2,3-cd]pyrene	ND		333	235		ug/Kg		70	20 - 126
Naphthalene	ND		333	228		ug/Kg		68	32 - 120
Phenanthrene	ND		333	262		ug/Kg		78	28 - 120
Pyrene	ND		333	300		ug/Kg		90	24 - 123

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	73		33 - 120
Terphenyl-d14	83		35 - 146

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Method: 8270C SIM - PAHs by GCMS (SIM) (Continued)

Lab Sample ID: 720-62365-1 MSD

Matrix: Solid

Analysis Batch: 174233

Client Sample ID: B-1-1

Prep Type: Total/NA

Prep Batch: 174162

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Acenaphthene	ND		331	234		ug/Kg		71	33 - 120	0	20
Acenaphthylene	ND		331	253		ug/Kg		76	28 - 120	1	20
Anthracene	ND		331	264		ug/Kg		80	36 - 120	3	20
Benzo[a]anthracene	ND		331	295		ug/Kg		89	29 - 120	3	20
Benzo[a]pyrene	ND		331	272		ug/Kg		82	24 - 120	3	20
Benzo[b]fluoranthene	ND		331	272		ug/Kg		82	17 - 132	4	20
Benzo[g,h,i]perylene	ND		331	214		ug/Kg		65	21 - 120	1	20
Benzo[k]fluoranthene	ND		331	262		ug/Kg		79	35 - 120	2	20
Chrysene	ND		331	244		ug/Kg		73	29 - 120	2	20
Dibenz(a,h)anthracene	ND		331	239		ug/Kg		72	36 - 120	0	20
Fluoranthene	ND		331	276		ug/Kg		83	24 - 120	3	20
Fluorene	ND		331	255		ug/Kg		77	35 - 120	0	20
Indeno[1,2,3-cd]pyrene	ND		331	234		ug/Kg		71	20 - 126	0	20
Naphthalene	ND		331	230		ug/Kg		69	32 - 120	1	20
Phenanthrene	ND		331	269		ug/Kg		81	28 - 120	3	20
Pyrene	ND		331	306		ug/Kg		92	24 - 123	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	72		33 - 120
Terphenyl-d14	86		35 - 146

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-174158/1-A

Matrix: Solid

Analysis Batch: 174167

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 174158

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		01/15/15 08:39	01/15/15 17:17	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		01/15/15 08:39	01/15/15 17:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl	102		40 - 130	01/15/15 08:39	01/15/15 17:17	1

Lab Sample ID: LCS 720-174158/2-A

Matrix: Solid

Analysis Batch: 174167

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174158

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	82.4	79.8		mg/Kg		97	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
p-Terphenyl	90		40 - 130

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 720-174159/1-A

Matrix: Solid

Analysis Batch: 174289

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 174159

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 02:10	1
Dieldrin	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 02:10	1
Endrin aldehyde	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 02:10	1
Endrin	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 02:10	1
Endrin ketone	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 02:10	1
Heptachlor	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 02:10	1
Heptachlor epoxide	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 02:10	1
4,4'-DDT	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 02:10	1
4,4'-DDE	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 02:10	1
4,4'-DDD	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 02:10	1
Endosulfan I	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 02:10	1
Endosulfan II	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 02:10	1
alpha-BHC	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 02:10	1
beta-BHC	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 02:10	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 02:10	1
delta-BHC	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 02:10	1
Endosulfan sulfate	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 02:10	1
Methoxychlor	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 02:10	1
Toxaphene	ND		40		ug/Kg		01/15/15 08:43	01/17/15 02:10	1
Chlordane (technical)	ND		40		ug/Kg		01/15/15 08:43	01/17/15 02:10	1
alpha-Chlordane	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 02:10	1
gamma-Chlordane	ND		2.0		ug/Kg		01/15/15 08:43	01/17/15 02:10	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	105		57 - 122				01/15/15 08:43	01/17/15 02:10	1
DCB Decachlorobiphenyl	115		21 - 136				01/15/15 08:43	01/17/15 02:10	1

Lab Sample ID: LCS 720-174159/2-A

Matrix: Solid

Analysis Batch: 174289

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174159

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	16.1	14.9		ug/Kg		93	65 - 120
Dieldrin	16.1	15.1		ug/Kg		93	72 - 120
Endrin aldehyde	16.1	14.6		ug/Kg		91	68 - 120
Endrin	16.1	15.5		ug/Kg		96	68 - 120
Endrin ketone	16.1	15.0		ug/Kg		93	67 - 120
Heptachlor	16.1	15.2		ug/Kg		94	69 - 120
Heptachlor epoxide	16.1	15.3		ug/Kg		95	68 - 120
4,4'-DDT	16.1	15.4		ug/Kg		95	63 - 127
4,4'-DDE	16.1	15.4		ug/Kg		95	70 - 120
4,4'-DDD	16.1	14.9		ug/Kg		92	69 - 120
Endosulfan I	16.1	14.9		ug/Kg		93	62 - 120
Endosulfan II	16.1	15.0		ug/Kg		93	65 - 120
alpha-BHC	16.1	14.9		ug/Kg		92	62 - 120
beta-BHC	16.1	17.2		ug/Kg		107	74 - 124
gamma-BHC (Lindane)	16.1	15.0		ug/Kg		93	72 - 120
delta-BHC	16.1	12.5		ug/Kg		78	43 - 125

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 720-174159/2-A

Matrix: Solid

Analysis Batch: 174289

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174159

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endosulfan sulfate	16.1	14.4		ug/Kg		89	67 - 120
Methoxychlor	16.1	16.4		ug/Kg		102	71 - 132
alpha-Chlordane	16.1	15.3		ug/Kg		95	70 - 120
gamma-Chlordane	16.1	15.4		ug/Kg		95	68 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	103		57 - 122
DCB Decachlorobiphenyl	98		21 - 136

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-174140/1-A

Matrix: Solid

Analysis Batch: 174251

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 174140

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Arsenic	ND		1.0		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Barium	ND		0.50		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Beryllium	ND		0.10		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Cadmium	ND		0.13		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Chromium	ND		0.50		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Cobalt	ND		0.20		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Copper	ND		1.5		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Lead	ND		0.50		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Molybdenum	ND		0.50		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Nickel	ND		0.50		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Selenium	ND		1.0		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Silver	ND		0.25		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Thallium	ND		0.50		mg/Kg		01/14/15 19:03	01/16/15 11:00	1
Vanadium	ND		0.50		mg/Kg		01/14/15 19:03	01/16/15 11:00	1

Lab Sample ID: MB 720-174140/1-A

Matrix: Solid

Analysis Batch: 174309

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 174140

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		1.5		mg/Kg		01/14/15 19:03	01/16/15 21:02	1

Lab Sample ID: LCS 720-174140/2-A

Matrix: Solid

Analysis Batch: 174251

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174140

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	47.0		mg/Kg		94	80 - 120
Arsenic	50.0	50.1		mg/Kg		100	80 - 120
Barium	50.0	49.6		mg/Kg		99	80 - 120
Beryllium	50.0	51.1		mg/Kg		102	80 - 120

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 720-174140/2-A

Matrix: Solid

Analysis Batch: 174251

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174140

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	50.0	49.2		mg/Kg		98	80 - 120
Chromium	50.0	50.7		mg/Kg		101	80 - 120
Cobalt	50.0	49.6		mg/Kg		99	80 - 120
Copper	50.0	50.6		mg/Kg		101	80 - 120
Lead	50.0	50.8		mg/Kg		102	80 - 120
Molybdenum	50.0	51.2		mg/Kg		102	80 - 120
Nickel	50.0	50.0		mg/Kg		100	80 - 120
Selenium	50.0	48.0		mg/Kg		96	80 - 120
Silver	25.0	24.6		mg/Kg		98	80 - 120
Thallium	50.0	50.4		mg/Kg		101	80 - 120
Vanadium	50.0	51.1		mg/Kg		102	80 - 120

Lab Sample ID: LCS 720-174140/2-A

Matrix: Solid

Analysis Batch: 174309

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174140

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	50.0	48.4		mg/Kg		97	80 - 120

Lab Sample ID: LCSD 720-174140/3-A

Matrix: Solid

Analysis Batch: 174251

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 174140

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	50.0	47.3		mg/Kg		95	80 - 120	0	20
Arsenic	50.0	50.2		mg/Kg		100	80 - 120	0	20
Barium	50.0	50.2		mg/Kg		100	80 - 120	1	20
Beryllium	50.0	51.4		mg/Kg		103	80 - 120	1	20
Cadmium	50.0	49.4		mg/Kg		99	80 - 120	0	20
Chromium	50.0	51.3		mg/Kg		103	80 - 120	1	20
Cobalt	50.0	49.7		mg/Kg		99	80 - 120	0	20
Copper	50.0	50.5		mg/Kg		101	80 - 120	0	20
Lead	50.0	50.8		mg/Kg		102	80 - 120	0	20
Molybdenum	50.0	51.1		mg/Kg		102	80 - 120	0	20
Nickel	50.0	50.0		mg/Kg		100	80 - 120	0	20
Selenium	50.0	47.9		mg/Kg		96	80 - 120	0	20
Silver	25.0	24.8		mg/Kg		99	80 - 120	1	20
Thallium	50.0	50.4		mg/Kg		101	80 - 120	0	20
Vanadium	50.0	51.5		mg/Kg		103	80 - 120	1	20

Lab Sample ID: LCSD 720-174140/3-A

Matrix: Solid

Analysis Batch: 174309

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 174140

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Zinc	50.0	48.5		mg/Kg		97	80 - 120	0	20

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 720-174140/21-A

Matrix: Solid

Analysis Batch: 174251

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174140

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	74.6	36.6		mg/Kg		49	11 - 101
Arsenic	45.5	46.0		mg/Kg		101	69 - 119
Barium	579	577		mg/Kg		100	61 - 117
Beryllium	155	155		mg/Kg		100	56 - 102
Cadmium	201	190		mg/Kg		95	67 - 118
Chromium	106	103		mg/Kg		98	67 - 121
Cobalt	247	238		mg/Kg		96	64 - 133
Copper	130	129		mg/Kg		99	68 - 126
Lead	302	283		mg/Kg		94	62 - 113
Molybdenum	165	163		mg/Kg		99	62 - 128
Nickel	305	292		mg/Kg		96	65 - 117
Selenium	133	131		mg/Kg		99	63 - 126
Silver	33.5	31.7		mg/Kg		95	51 - 130
Thallium	191	184		mg/Kg		96	64 - 124
Vanadium	214	214		mg/Kg		100	67 - 123

Lab Sample ID: LCSSRM 720-174140/21-A

Matrix: Solid

Analysis Batch: 174309

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174140

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	388	354		mg/Kg		91	62 - 110

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-174199/1-A

Matrix: Solid

Analysis Batch: 174450

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 174199

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		01/15/15 16:53	01/20/15 18:31	1

Lab Sample ID: LCS 720-174199/2-A

Matrix: Solid

Analysis Batch: 174450

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 174199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.867		mg/Kg		104	80 - 120

Lab Sample ID: LCSD 720-174199/3-A

Matrix: Solid

Analysis Batch: 174450

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 174199

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.833	0.867		mg/Kg		104	80 - 120	0	20

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: 720-62365-1 MS

Matrix: Solid

Analysis Batch: 174450

Client Sample ID: B-1-1

Prep Type: Total/NA

Prep Batch: 174199

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.048		0.781	0.945		mg/Kg		115	75 - 125

Lab Sample ID: 720-62365-1 MSD

Matrix: Solid

Analysis Batch: 174450

Client Sample ID: B-1-1

Prep Type: Total/NA

Prep Batch: 174199

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.048		0.746	0.843		mg/Kg		107	75 - 125	11	20

QC Association Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

GC/MS VOA

Analysis Batch: 174153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62365-3	B-3-1	Total/NA	Solid	8260B/CA_LUFT MS	174177
LCS 720-174153/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-174153/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-174153/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-174153/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-174153/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 174177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62365-3	B-3-1	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 174162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62365-1	B-1-1	Total/NA	Solid	3546	
720-62365-1 MS	B-1-1	Total/NA	Solid	3546	
720-62365-1 MSD	B-1-1	Total/NA	Solid	3546	
720-62365-2	B-1-5	Total/NA	Solid	3546	
LCS 720-174162/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 720-174162/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 174233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62365-1	B-1-1	Total/NA	Solid	8270C SIM	174162
720-62365-1 MS	B-1-1	Total/NA	Solid	8270C SIM	174162
720-62365-1 MSD	B-1-1	Total/NA	Solid	8270C SIM	174162
720-62365-2	B-1-5	Total/NA	Solid	8270C SIM	174162
LCS 720-174162/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	174162
MB 720-174162/1-A	Method Blank	Total/NA	Solid	8270C SIM	174162

GC Semi VOA

Prep Batch: 174158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62365-1	B-1-1	Total/NA	Solid	3546	
720-62365-2	B-1-5	Total/NA	Solid	3546	
720-62365-3	B-3-1	Total/NA	Solid	3546	
LCS 720-174158/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 720-174158/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 174159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62365-1	B-1-1	Total/NA	Solid	3546	
720-62365-2	B-1-5	Total/NA	Solid	3546	
720-62365-3	B-3-1	Total/NA	Solid	3546	

TestAmerica Pleasanton

QC Association Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

GC Semi VOA (Continued)

Prep Batch: 174159 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-174159/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 720-174159/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 174167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62365-1	B-1-1	Total/NA	Solid	8015B	174158
720-62365-2	B-1-5	Total/NA	Solid	8015B	174158
720-62365-3	B-3-1	Total/NA	Solid	8015B	174158
LCS 720-174158/2-A	Lab Control Sample	Total/NA	Solid	8015B	174158
MB 720-174158/1-A	Method Blank	Total/NA	Solid	8015B	174158

Analysis Batch: 174289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62365-1	B-1-1	Total/NA	Solid	8081A	174159
720-62365-2	B-1-5	Total/NA	Solid	8081A	174159
720-62365-3	B-3-1	Total/NA	Solid	8081A	174159
LCS 720-174159/2-A	Lab Control Sample	Total/NA	Solid	8081A	174159
MB 720-174159/1-A	Method Blank	Total/NA	Solid	8081A	174159

Metals

Prep Batch: 174140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62365-1	B-1-1	Total/NA	Solid	3050B	
720-62365-2	B-1-5	Total/NA	Solid	3050B	
720-62365-3	B-3-1	Total/NA	Solid	3050B	
LCS 720-174140/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-174140/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 720-174140/21-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 720-174140/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 174199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62365-1	B-1-1	Total/NA	Solid	7471A	
720-62365-1 MS	B-1-1	Total/NA	Solid	7471A	
720-62365-1 MSD	B-1-1	Total/NA	Solid	7471A	
720-62365-2	B-1-5	Total/NA	Solid	7471A	
720-62365-3	B-3-1	Total/NA	Solid	7471A	
LCS 720-174199/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-174199/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-174199/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 174251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62365-1	B-1-1	Total/NA	Solid	6010B	174140
720-62365-3	B-3-1	Total/NA	Solid	6010B	174140
LCS 720-174140/2-A	Lab Control Sample	Total/NA	Solid	6010B	174140
LCSD 720-174140/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	174140
LCSSRM 720-174140/21-A	Lab Control Sample	Total/NA	Solid	6010B	174140
MB 720-174140/1-A	Method Blank	Total/NA	Solid	6010B	174140

TestAmerica Pleasanton

QC Association Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Metals (Continued)

Analysis Batch: 174309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62365-1	B-1-1	Total/NA	Solid	6010B	174140
720-62365-2	B-1-5	Total/NA	Solid	6010B	174140
720-62365-3	B-3-1	Total/NA	Solid	6010B	174140
LCS 720-174140/2-A	Lab Control Sample	Total/NA	Solid	6010B	174140
LCSD 720-174140/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	174140
LCSSRM 720-174140/21-A	Lab Control Sample	Total/NA	Solid	6010B	174140
MB 720-174140/1-A	Method Blank	Total/NA	Solid	6010B	174140

Analysis Batch: 174450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62365-1	B-1-1	Total/NA	Solid	7471A	174199
720-62365-1 MS	B-1-1	Total/NA	Solid	7471A	174199
720-62365-1 MSD	B-1-1	Total/NA	Solid	7471A	174199
LCS 720-174199/2-A	Lab Control Sample	Total/NA	Solid	7471A	174199
LCSD 720-174199/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	174199
MB 720-174199/1-A	Method Blank	Total/NA	Solid	7471A	174199

Analysis Batch: 174455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-62365-2	B-1-5	Total/NA	Solid	7471A	174199
720-62365-3	B-3-1	Total/NA	Solid	7471A	174199

TestAmerica Pleasanton

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Client Sample ID: B-1-1

Date Collected: 01/14/15 08:42

Date Received: 01/14/15 14:25

Lab Sample ID: 720-62365-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			174162	01/15/15 08:52	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		1	174233	01/16/15 11:50	MQL	TAL PLS
Total/NA	Prep	3546			174158	01/15/15 08:39	NVP	TAL PLS
Total/NA	Analysis	8015B		1	174167	01/15/15 19:13	JXL	TAL PLS
Total/NA	Prep	3546			174159	01/15/15 08:43	NDU	TAL PLS
Total/NA	Analysis	8081A		1	174289	01/17/15 10:17	JZT	TAL PLS
Total/NA	Prep	3050B			174140	01/14/15 19:03	CTD	TAL PLS
Total/NA	Analysis	6010B		4	174251	01/16/15 12:31	EFH	TAL PLS
Total/NA	Prep	3050B			174140	01/14/15 19:03	CTD	TAL PLS
Total/NA	Analysis	6010B		4	174309	01/16/15 22:13	SLK	TAL PLS
Total/NA	Prep	7471A			174199	01/15/15 16:53	ECT	TAL PLS
Total/NA	Analysis	7471A		1	174450	01/20/15 18:44	SLK	TAL PLS

Client Sample ID: B-1-5

Date Collected: 01/14/15 09:05

Date Received: 01/14/15 14:25

Lab Sample ID: 720-62365-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			174162	01/15/15 08:52	NVP	TAL PLS
Total/NA	Analysis	8270C SIM		1	174233	01/16/15 12:13	MQL	TAL PLS
Total/NA	Prep	3546			174158	01/15/15 08:39	NVP	TAL PLS
Total/NA	Analysis	8015B		1	174167	01/15/15 18:44	JXL	TAL PLS
Total/NA	Prep	3546			174159	01/15/15 08:43	NDU	TAL PLS
Total/NA	Analysis	8081A		1	174289	01/17/15 10:34	JZT	TAL PLS
Total/NA	Prep	3050B			174140	01/14/15 19:03	CTD	TAL PLS
Total/NA	Analysis	6010B		1	174309	01/16/15 22:18	SLK	TAL PLS
Total/NA	Prep	7471A			174199	01/15/15 16:53	ECT	TAL PLS
Total/NA	Analysis	7471A		1	174455	01/20/15 19:10	SLK	TAL PLS

Client Sample ID: B-3-1

Date Collected: 01/14/15 10:10

Date Received: 01/14/15 14:25

Lab Sample ID: 720-62365-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			174177	01/14/15 19:25	ASC	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	174153	01/15/15 14:26	ASC	TAL PLS
Total/NA	Prep	3546			174158	01/15/15 08:39	NVP	TAL PLS
Total/NA	Analysis	8015B		1	174167	01/15/15 18:15	JXL	TAL PLS
Total/NA	Prep	3546			174159	01/15/15 08:43	NDU	TAL PLS
Total/NA	Analysis	8081A		1	174289	01/17/15 10:51	JZT	TAL PLS
Total/NA	Prep	3050B			174140	01/14/15 19:03	CTD	TAL PLS
Total/NA	Analysis	6010B		4	174251	01/16/15 12:41	EFH	TAL PLS
Total/NA	Prep	3050B			174140	01/14/15 19:03	CTD	TAL PLS

TestAmerica Pleasanton

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Client Sample ID: B-3-1

Date Collected: 01/14/15 10:10

Date Received: 01/14/15 14:25

Lab Sample ID: 720-62365-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		4	174309	01/16/15 22:23	SLK	TAL PLS
Total/NA	Prep	7471A			174199	01/15/15 16:53	ECT	TAL PLS
Total/NA	Analysis	7471A		1	174455	01/20/15 19:13	SLK	TAL PLS

Laboratory References:
TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

Method Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL PLS
8270C SIM	PAHs by GCMS (SIM)	SW846	TAL PLS
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS
8081A	Organochlorine Pesticides (GC)	SW846	TAL PLS
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Ninyo & Moore
Project/Site: Bay Road Improvements

TestAmerica Job ID: 720-62365-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-62365-1	B-1-1	Solid	01/14/15 08:42	01/14/15 14:25
720-62365-2	B-1-5	Solid	01/14/15 09:05	01/14/15 14:25
720-62365-3	B-3-1	Solid	01/14/15 10:10	01/14/15 14:25

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Date 1/14/15 Page 1 of 1

Page 34 of 35
- # containers720-62365 Chain of CustodyRev.10/201

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 720-62365-1

Login Number: 62365

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Gonzales, Justinn

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	