GEOPHYSICAL SURVEY AND SHALLOW SOIL SAMPLING CITY BLOCK SOUTHWEST OF CEDAR STREET AND KETTNER BOULEVARD SAN DIEGO, CALIFORNIA VOLUNTARY ASSISTANCE PROGRAM CASE NO. H06030-003

PREPARED FOR:
Office of County Counsel
San Diego County
1600 Pacific Highway, Room 355
San Diego, California 92101

PREPARED BY:
Ninyo & Moore
Geotechnical and Environmental Sciences Consultants
5710 Ruffin Road
San Diego, California 92123

July 31, 2012
Project No. 107334001

July 31, 2012
Project No. 107334001

Mr. David Smith
Office of County Counsel
San Diego County
1600 Pacific Highway, Room 355
San Diego, California 92101

Subject: Geophysical Survey and Shallow Soil Sampling
City Block Southwest of
Cedar Street and Kettner Boulevard
San Diego, California
Voluntary Assistance Program Case No. H06030-003

Dear Mr. Smith:

Ninyo & Moore is pleased to submit this report summarizing the geophysical survey and shallow soil sampling conducted at the city block located southwest of Cedar Street and Kettner Boulevard, San Diego, California. Work was preformed in accordance with the current County of San Diego Department of Environmental Health, Site Assessment and Mitigation manual.

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

Sincerely,
NINYO & MOORE

Scott Lutz
Project Environmental Scientist

Stephan A. Beck, PG 4375
Manager, Environmental Sciences Division

SEL/SB/gg

Distribution: (1) Addressee

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1. INTRODUCTION

This report summarizes the environmental investigation conducted at the city block located southwest of the intersection of Cedar Street and Kettner Boulevard in San Diego, California (site, Figures 1 and 2). At the request of the San Diego Office of the County Counsel, this investigation was conducted to evaluate the site for the presence of underground storage tanks (USTs), product-piping, or other subsurface anomalies that may be encountered during excavation and shallow soil contamination associated with past site uses.

This site investigation was conducted in accordance with the Ninyo & Moore Proposal dated May 17, 2012 and applicable portions of the San Diego County Department of Environmental Health (DEH) Site Assessment and Mitigation (SAM) Manual.

2. PROJECT OBJECTIVES

The object of the site investigation was to identify USTs, product-piping, and other potential subsurface anomalies that may be encountered during site excavation and evaluate shallow soil contamination associated with historical site uses.

3. SITE IDENTIFICATION

The following information is provided regarding the site location, business, ownership, and responsible party of the unauthorized release:

Site Address:	1516 Kettner Boulevard San Diego, California 92101
Type of Business:	Parking Lot and Former Auto Service Garage
Assessor's Parcel Number:	533-322-05/07
Property Owner:	San Diego County 5560 Overland Avenue San Diego, California 92123

Responsible Party:	Mr. David Timber San Diego County 5560 Overland Avenue San Diego, California 92123
Environmental Consultant:	Ninyo & Moore 5710 Ruffin Road San Diego, California 92123 (858) 576-1000
Contact Person:	Mr. Scott Lutz 5710 Ruffin Road San Diego, California 92123 (858) 576-1000
GeoTracker Global ID:	T0607339981
VAP Case Number:	H06030-003

4. SITE LOCATION AND DESCRIPTION

The site comprises one full city block bounded by Cedar Street to the north, Kettner Boulevard to the east, Beech Street to the south, and the San Diego Trolley right-of-way to the west. The Star-Building, a three-story block masonry structure, is located on the southwest corner of the site. Adjacent to the east of the Star Building is a one-story brick structure previously used as an automotive service garage and office space.

5. SITE HISTORY AND ENVIRONMENTAL ASSESSMENT SUMMARY

Based on a review of historical documents, the Hercules Oil Refining Company operated at the site with three aboveground storage tanks (ASTs) as early as 1903. The site has historically contained several structures, including above- and below-grade piping, several USTs, and oil pump house, an auto repair facility (Steve's Auto Body), and a possible paint shop and gasoline service station.

Reportedly, in 1984 six USTs and a waste oil sump were identified at the site. During a soil investigation to determine the feasibility to construct a mid-rise parking structure, Leroy Crandall noted gasoline- and/or oil-stained soils in the southwest corner of the site.

Later in 1984, Woodward Clyde Consultants (WCC) conducted an environmental investigation to evaluate the potential of contamination associated with the six known USTs at the site. The investigation included subsurface soil sampling and tank precision testing. During the precision testing, a drop in pressure was noted in the UST-4, located approximately 40 feet north of the Star Building in the southwest corner of the site (Figure 2). In addition, WCC noted in their report that prior to 1973, when filled to its 10,000-gallon capacity, UST-4 would leak until it stabilized at a volume of approximately 6,000 gallons. WCC advanced four borings, CB-1 through CB-4, onsite and offsite in the Beech Street sidewalk. Boring CB-2, located just south of UST-4, contained a maximum concentration of total recoverable petroleum hydrocarbon (TRPH) of 4,520 milligrams per kilogram (mg/kg). TRPH was not detected deeper than 6.5 feet below ground surface (bgs) in CB-2 or in the samples collected from the other borings. Based on the results, WCC concluded that a release of petroleum hydrocarbons had occurred in the area of UST-4 (WCC, 1984).

Based on DEH SAM records, in December 1984, three USTs were removed from the western portion of the site (UST-2, UST-3, and UST-4). Field notes indicate that no obvious leaks or soil contamination were noted at the time of removal, and no samples were collected for laboratory analysis.

In September 1993, Construction Testing, and Engineering (CTE) conducted a site assessment that included drilling 16 soil borings. Six of the borings were subsequently converted to groundwater monitoring wells. Soil contamination, characterized by the presence of total petroleum hydrocarbon (TPH) as gasoline (TPH-g) and as diesel (TPH-d) was noted from the surface to approximately 30 feet bgs in boring MW-3 and MW-6 located near UST-3 and UST-4, respectively. Soil contamination was also identified in the capillary fringe from approximately 20 to 30 feet bgs extending away from the former USTs in a southwesterly and westerly direction. Groundwater samples were collected and analyzed for TPH-g, TPH-d, and benzene, toluene, ethylbenzene and xylenes (collectively BTEX). The maximum TPH and benzene concentrations, 13,650 mg/kg and 0.467 mg/kg, respectively, were detected in samples collected from MW-3 and MW-4 adjacent to UST-3 and UST-4. CTE concluded that hydrocarbon affected soil and groundwater were present at the western portion of the site and it was likely this contamination extended offsite to the west and south (CTE, 1995).

Reportedly, in November 1994, CTE conducted additional site assessment that included drilling eight onsite and offsite borings and converting four of them to groundwater monitoring wells. Results of the assessment indicated free-phase hydrocarbons in five of the ten monitoring wells (MW3, MW-4, MW-6, MW-12, and MW-21) installed on- and offsite (Figure 2).

In October 1995, Leighton and Associates (Leighton) conducted groundwater sampling at the site. Leighton reported a maximum free-product thickness of 6.77 feet in MW-3, groundwater flow direction to the south, and a hydraulic gradient between 0.002 and 0.004 foot per foot (Leighton, 1995).

In January 1996, Leighton oversaw A.E. Schmidt Environmental (AESE) remove all the above ground structures north of the Star Building and a pea-gravel filled sump. AESE also removed, under permit, one 7,500 gallon UST from the northern portion of the site (UST 1, Figure 2). No holes were observed in the UST upon removal and TPH and BTEX were not detected above their respective detection limits in the soil samples analyzed from the stockpile and the base of the excavation (Leighton, 1996).

Between January 9 and March 8, 1996, Leighton oversaw AESE excavate approximately 10,300 tons of TPH-impacted soil from the southwestern portion of the site, north of the Star Building. The excavation extended to a maximum depth 29 feet bgs, approximately 3 feet below depth to groundwater. Of the approximately 10,300 tons excavated, 6,084.4 tons were removed from the site and transported to Soil Wash Technologies in San Diego for treatment. The remaining approximately 4,250 tons (approximately 2,500 cubic yards [cy]) were stockpiled onsite for biotreatment. A continuous spray of nutrient-rich solution was applied to the stockpile during placement and perforated polyvinyl chloride (PVC) pipe and manifolded to a low-flow fan to increase biologic activity. After a period of approximately 130 days, Leighton sampled the stockpile to document the efficacy of the biotreatment process. Samples were analyzed for TPH-g, TPH-d, and BTEX. Based on a comparison of the analytical results of soil samples collected during soil stockpiling and the soil samples collected after 130 days, constituent concentrations, with the exception of TPH-d, had reduced by more than 90% (Leighton, 1996).

Subsequently, upon approval from DEH SAM staff, the excavation was backfilled with the treated soil by AESE between January and February 1997 (Leighton, 1997).

On November 5, 1996, Leighton conducted groundwater sampling of the four wells remaining at the site. MW-3, MW-4, MW-6, MW-8, MW-12, and MW-23 were destroyed during remedial activities. During the monitoring event, free product was observed in MW-21 with an apparent thickness of 0.02 foot. Approximately 75 gallons of water with a minor amount of free product was evacuated from MW-21 utilizing a vacuum truck. TPH-g and BTEX were detected at their maximum concentration in MW-20, located in Beech Street southwest of the site (Leighton, 1997).

On February 15, 1997, Leighton oversaw the installation of MW-25 (Figure 2). This well was installed to monitor for the presence of free product in the former excavation, south of the former USTs. At the time of installation hydrocarbon odors were noted and, during development, a hydrocarbon sheen was observed (Leighton, 1997).

On April 24, 1998, Gradient Engineers, Inc. (GEI) conducted groundwater sampling of the five wells at the site. During sampling, free product was measured in MW-25, with an apparent thickness of 0.08 foot. Approximately 60 gallons of water with a minor amount of free product was evacuated from MW-25 utilizing a vacuum truck. Groundwater from MW-20 contained the highest concentrations of TPH-g and groundwater from MW-21 contained the highest concentrations of TPH-d during this sampling event (GEI, 1998).

In September 1999, DEH indicated that residual petroleum hydrocarbons remained in soil after excavation and treatment at the site, but, no further action related to the underground storage tank release was required (DEH, 1999) (Appendix A).

In July 2003, Geocon Consultants Inc. (Geocon) conducted an environmental investigation at the site. The investigation included drilling 14 soil borings (GB1 through GB-14), observing the excavation of two geotechnical trenches and collecting soil and groundwater samples. Four of the soil borings, GB-3 through GB-6, located adjacent to the buildings at the south end of the site, were drilled at an approximate angle of 30 degrees from vertical to characterize soils beneath the buildings (Geocon, 2004).

Based on the results of the environmental investigation, Geocon concluded that approximately 17,367 cy of soil exhibit TPH concentrations greater than 100 mg/kg and that approximately 16 cy of soil exhibit elevated concentrations of lead and mercury (a pocket of burn-ash fill). In addition, based on the detected concentrations of volatile organic compounds (VOCs) in groundwater at the site, the water would most likely have to be treated and discharged under permit (Geocon, 2004).

6. TOPOGRAPHIC, GEOLOGIC, AND HYDROGEOLOGIC CONDITIONS

The following sections summarize the available information for the site-specific topography, geology, and hydrogeology.

6.1. Topography

Based on a review of the United States Geological Survey, Point Loma, California, 7.5-minute quadrangle map (1967, photo-revised 1975), the site is situated in a developed, primarily commercial area of San Diego. The project area is at an elevation of approximately 25 to 30 feet mean sea level (MSL). Surface drainage in the general vicinity of the site is generally toward the south-southwest.

6.2. Site Geology

Old Paralic Deposits are mapped at the surface of the site, based on a review of the California Geological Survey (CGS) Geologic Map of San Diego 30’ x 60’ Quadrangle, California (Kennedy, 2008). Based on the results of Ninyo & Moore’s recent subsurface investigation, the site is underlain by two geologic units: fill material and Old Paralic Deposits. Fill material was encountered from the surface to depths ranging from 9 to 15 feet bgs. The fill material was described as fine to medium sand with minor construction debris (brick). Material identified as Old Paralic Deposits was encountered beneath the fill material to 60 feet bgs, the maximum depth drilled. The Old Paralic Deposits were described as varying from fine sandy silt to fine silty or clayey sand to clay.

6.3. Site Hydrogeology

Based on the review of available hydrogeologic data from the Regional Water Quality Control Board (RWQCB) and the California Department of Water Resources, the site is located in the Lindbergh Hydrologic Subarea (908.21) within the San Diego Mesa Hydrologic Area of the Pueblo San Diego Hydrologic Unit (CRWQCB, 2007). There are currently no existing or potential beneficial uses of groundwater in the Lindbergh Hydrologic Subarea.

During groundwater sampling in 1998, depth to groundwater ranged from approximately 18 to 23 feet below top of casing (btoc) (0.6 to 1.5 feet relative to MSL), and the groundwater flow direction was toward the south (Gradient Engineers, Inc., 1998). Based on water levels measured during this site investigation on May 29, 2012, depth to groundwater ranged from approximately 28 feet btoc (-7.9 feet MSL) in well MW-21 located near the southwestern corner of the site, to approximately 45.6 feet btoc (-18.9 MSL) in well MW-26 located near the southeastern corner of the site. However, it should be noted that MW-21 may have been damaged by shoring-related construction activities on the property south of the site and was not used in calculating the groundwater gradient. Based on recent groundwater monitoring activities, groundwater flow direction appears to be toward the south and southeast.

It is our understanding that temporary construction dewatering is currently taking place on the property to the south, which would result in non-equilibrium groundwater conditions beneath the site. Groundwater elevation and flow direction will likely change when temporary dewatering ceases. Groundwater levels, gradient, and flow direction can also fluctuate due to seasonal variations, groundwater withdrawal or injection, and other factors.

7. SITE SPECIFIC HEALTH AND SAFETY PLAN

Ninyo & Moore prepared a site-specific health and safety plan (HASP) to identify the potential chemical and physical hazards encountered during the field activities. The plan provided guidelines for use of personal protective equipment based on site-specific conditions, location, and directions to the nearest hospital, and contingency plans. Ninyo & Moore's field activities were

performed in accordance with the HASP, and field personnel signed copies of the employee acknowledgement and field health and safety meeting forms prior to the start of work each day.

8. GEOPHYSICAL SURVEY

On June 2, 2012, Southwest Geophysics Inc. (Southwest) conducted a geophysical survey of the subject site and the surrounding sidewalks. The purpose of the geophysical survey was to assess the site for the presence of USTs, product-piping, backfilled excavations associated with former USTs, and/or other significant subsurface anomalies. In addition, the presence of detectable underground utilities was delineated at the site. A copy of the Southwest Geophysical Evaluation Report is included in Appendix B.

8.1. Survey Methodology

A combination of electromagnetic induction (EM), magnetometry, and ground penetrating radar (GPR) was utilized to assess the site. In general, EM data was collected at one-second intervals along traverse spaced approximately 5 feet apart. GPR traverses were conducted along east-west and north-south profiles spaced approximately 5 feet apart and along random profiles across and near detected EM anomalies. A line tracer was additionally used to delineate the location of utilities.

8.2. Geophysical Survey Results

The geophysical survey revealed several anomalies in the northeast portion of the site as well as three buried, reinforced, concrete slabs/foundations in the western and southern portion of the site. The cause of EM detection in the northeast portion of the property is unknown. In the Southwest Report, they indicate that this anomaly could represent a former UST. However, based on historical information and previous reports prepared by others, the location of the anomaly is not associated with one of the former UST locations (Figure 2). GPR results from the location of the anomaly also proved to be inconclusive. The three buried concrete slabs appear to be reinforced with rebar and based on their locations are likely associated with the former site buildings. Additionally, as shown on Figure 2, multiple uni-

dentified lines transect the site. It is possible that these lines are the utility lines for the former structures or product pipelines associated with historical site uses.

9. SHALLOW SOIL SAMPLING

The section summarizes the methodologies and finding of the shallow soil sampling conducted at the site.

9.1. Notifications

Prior to site access, Ninyo & Moore entered into agreement with the current site tenant (Ampco System Parking [Ampco]) to allow access and temporary closure of the site during the drilling activities. Ninyo & Moore notified Underground Service Alert (USA), a representative from Ampco, and the client a minimum of 48 hours prior to conducting subsurface activities.

9.2. Soil Boring Locations

Initially, the site was divided into 16 grids and a boring was located in each grid in the vicinity of either anomalies identified during the geophysical survey and/or locations of the former USTs identified during a historical background review. Based on field visual observation during drilling, one additional boring was advanced to the east of the former excavation. Soil boring locations are depicted on Figure 3.

9.3. Drilling and Soil Sampling

One June 3, 2012, Ninyo & Moore oversaw Cascade Drilling, LP, a bonded, C-57 licensed drilling contractor, advance 17 borings (SB-1 through SB-17), each to a total depth of approximately 5 feet bgs utilizing a direct-push drill rig. Drilling and sampling activities were completed under the supervision of a California Professional Geologist.

During drilling, soil samples were collected using a 2-inch inside-diameter continuous-core barrel lined with acetate sleeves. Upon retrieving the sampler from the borehole, the soil was logged by the onsite scientist in general accordance with the Unified Soil Classification Sys-

tem. Soil samples were collected from the desired depths (1, 2, 3, 4 and 5 feet bgs) by cutting the acetate sleeve to extract the desired sample interval, covering both ends of the extracted interval with Teflon™ sheeting, and sealing the ends with plastic caps. Each sample was then labeled with pertinent information (i.e., sample identification, sample depth, and date and time of sample collection) and placed in a cooler maintained at approximately four degrees Celsius (4ºC). Samples were then transferred under chain-of-custody procedures to TestAmerica Laboratories, a state-certified laboratory, for analytical testing. A copy of the boring logs are included in Appendix C.

9.4. Field Quality Assurance and Quality Control

Non-dedicated equipment was decontaminated after each use. Decontamination procedures included a non-phosphate detergent and potable water wash followed by potable and distilled water rinses. Upon completion, decontamination fluids were placed into properly labeled, Department of Transportation-approved 55-gallon drums, temporarily stored on site, and following receipt of analytical data, disposed of off site.

9.5. Analytical Testing

Soil samples collected from depths of 1, 2, and 3 feet bgs were analyzed for Title 22 metals (total threshold limit concentration [TTLC]) utilizing EPA Method 6010B/7471A. Samples collected from 4 and 5 feet bgs were held by the laboratory pending the analytical results of the shallower samples. For samples in which the TTLC metal concentration was ten times or greater than the soluble threshold limit concentration (STLC) value of a specific metal, the sample was additionally analyzed utilizing the California Waste Extraction Test (WET) method. For samples in which the TTLC metal concentration was 20 times or greater than the toxicity characteristic leaching procedure (TCLP) value for that metal, the sample was analyzed by the EPA TCLP Method.

Based on field observations, select soil samples were additionally analyzed for TPH-g (C_4-C_{12}), TPH-d (C_{10}-C_{28}), and TPH-oil range organics (TPH-o) (C_{29}-C_{40}) utilizing EPA Method 8015M and VOCs utilizing EPA Method 8260B.

9.6. Soil Sample Analytical Results

The following section summarizes soil sample analytical results. A copy of the laboratory analytical results and chain-of-custody documentation is provided in Appendix D.

- With the exception of lead detected in samples SB-6-1, SB-7-1, ad SB-13-2, metals do not exceed typical background levels. Lead concentrations in SB-6-1 and SB-7-1 exceed the STLC value for lead but do not appear to exceed the TCLP value. Therefore, soil from these samples would be classified as a California hazardous waste but not a federal hazardous waste. Soil analytical results for metals are summarized in Table 1.

- TPH-g was detected in six of the eight samples analyzed with concentrations ranging from 5.1 mg/kg in the sample from SB-15 at 3 feet bgs to 510 mg/kg in the sample from SB-09 at 5 feet bgs. TPH-d was detected in all eight of the samples analyzed at a maximum concentration of 5,900 mg/kg in the sample from SB-15 at 5 feet bgs. TPH-o was detected in three of the eight samples analyzed at a maximum concentration of 180 mg/kg in the sample from SB-14 at 3 feet bgs. TPH analytical results are summarized in Table 2. Based on the concentrations of TPH-d detected in the samples (>3,000 mg/kg), additional analysis will likely be required to characterize the soil prior to disposal.

- VOCs were detected in seven of the eight samples analyzed. VOCs detected are summarized in Table 3. Based on the VOC analytical results, additional analysis will likely be required to characterize the soil prior to disposal.

10. 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 findings, 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 findings 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 is intended exclusively for use by the client. Any use or reuse of the findings, conclusions, and/or recommendations of this report by parties other than the client is undertaken at said parties' sole risk.

11. REFERENCES

California Regional Water Quality Control Board, San Diego Region, 2007, Water Quality Control Plan for the San Diego Basin (9).

Construction Testing and Engineering, Inc., 1993, Preliminary Site Assessment, Proposed County Station Project, Kettner Boulevard-Beech Street, San Diego, California: dated May 21.

Construction Testing and Engineering, Inc., 1994, Report of Additional Site Assessment, County Station Project, Kettner, Cedar, Beech, and California Streets, San Diego, California: dated October 24.

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Geocon Consultants, Inc., 2004, Limited Environmental Investigation, Cedar/Kettner, San Diego, California: dated March 22.

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Kennedy, Michael P. and Tan, Siang S., 2005, Geologic Map of the San Diego 30' X 60' Quadrangle, California, California Department of Conservation, Regional Geologic Map Series, Map No. 3.

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Woodward-Clyde Consultants, Inc., 1984, Reports of Engineering Services, Beech and Kettner Underground Tanks, San Diego, California.

SOURCE: 2008 THOMAS GUIDE FOR SAN DIEGO COUNTY, STREET GUIDE AND DIRECTORY; MAP © RAND MCNALLY, R.L.07-S-129

MAP INDEX

SCALE IN FEET

0 1,200 2,400 4,800

NOTE: DIRECTIONS, DIMENSIONS AND LOCATIONS ARE APPROXIMATE

Ninyo & Moore		SITE LOCATION	FIGURE
PROJECT NO.	DATE	CEDAR STREET AND KETTNER BOULEVARD SAN DIEGO, CALIFORNIA	1
107334001	7/12		

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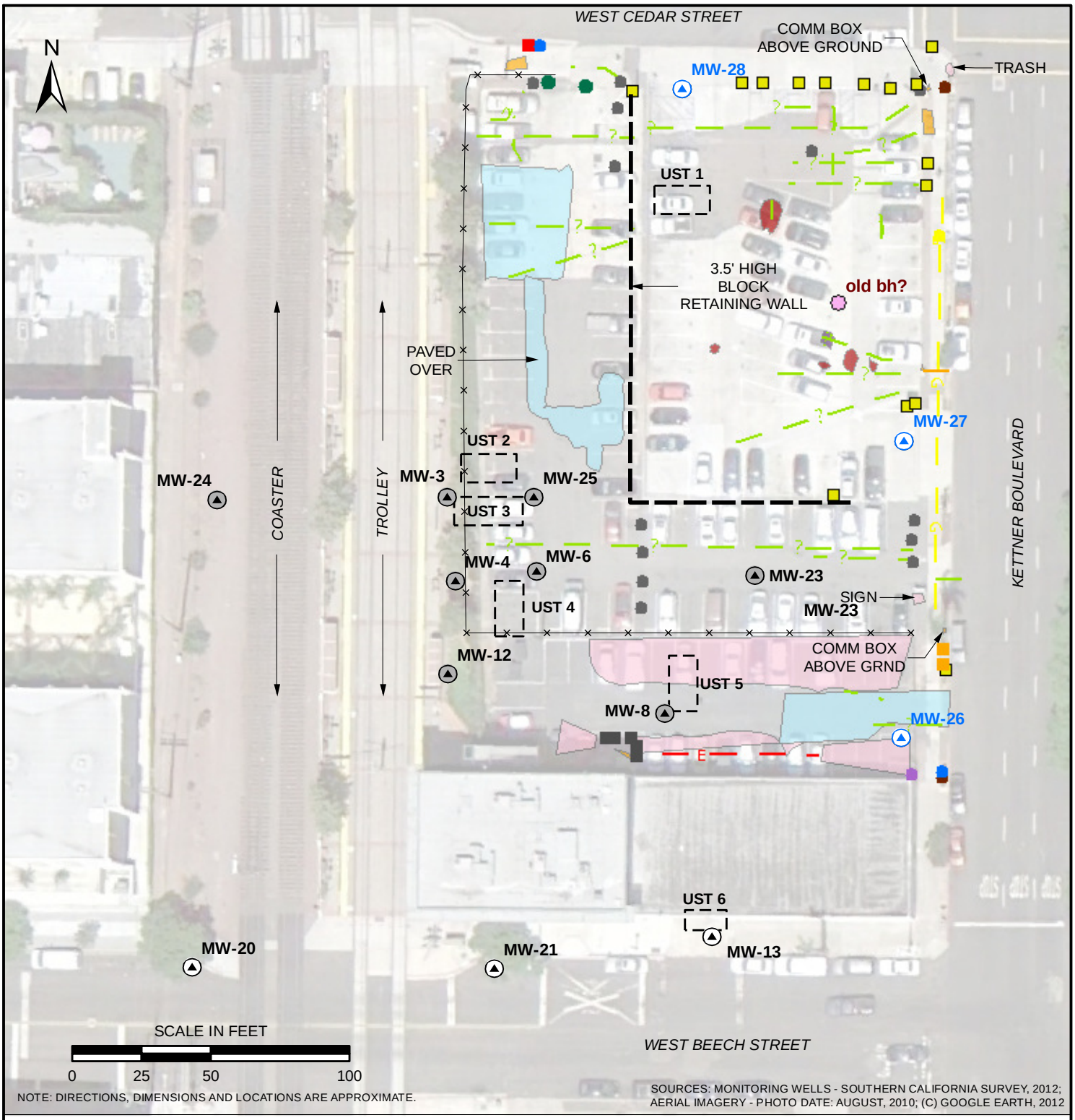

NOTE: DIRECTIONS, DIMENSIONS AND LOCATIONS ARE APPROXIMATE.

SOURCES: MONITORING WELLS - SOUTHERN CALIFORNIA SURVEY, 2012; AERIAL IMAGERY - PHOTO DATE: AUGUST, 2010; (C) GOOGLE EARTH, 2012

LEGEND

- MW-28 MONITORING WELL (NINYO & MOORE, 2012)
- MW-21 MONITORING WELL
- MW-25 FORMER MONITORING WELL (CTE, INC., 1994)
- UST 6 FORMER UNDERGROUND STORAGE TANK (UST), CTE, INC., 1994

GEOPHYSICAL SURVEY

- GAS RISER
- COMM-VLT
- E-VLT
- W-VLT
- BLRD
- CUT OFF POST
- PROP COR
- SGN
- STLT
- SD CLEAN_OU
- FENCE-WA
- C COMM
- E E
- G G
- ? UNKN
- EM Anomaly

STRUCTURE

- ?
- REINCONC
- SURF OBS
- TRANS

Ninyo & Moore	GEOPHYSICAL SURVEY RESULTS	FIGURE
PROJECT NO. 107334001 / DATE 7/12	CEDAR STREET AND KETTNER BOULEVARD SAN DIEGO, CALIFORNIA	2

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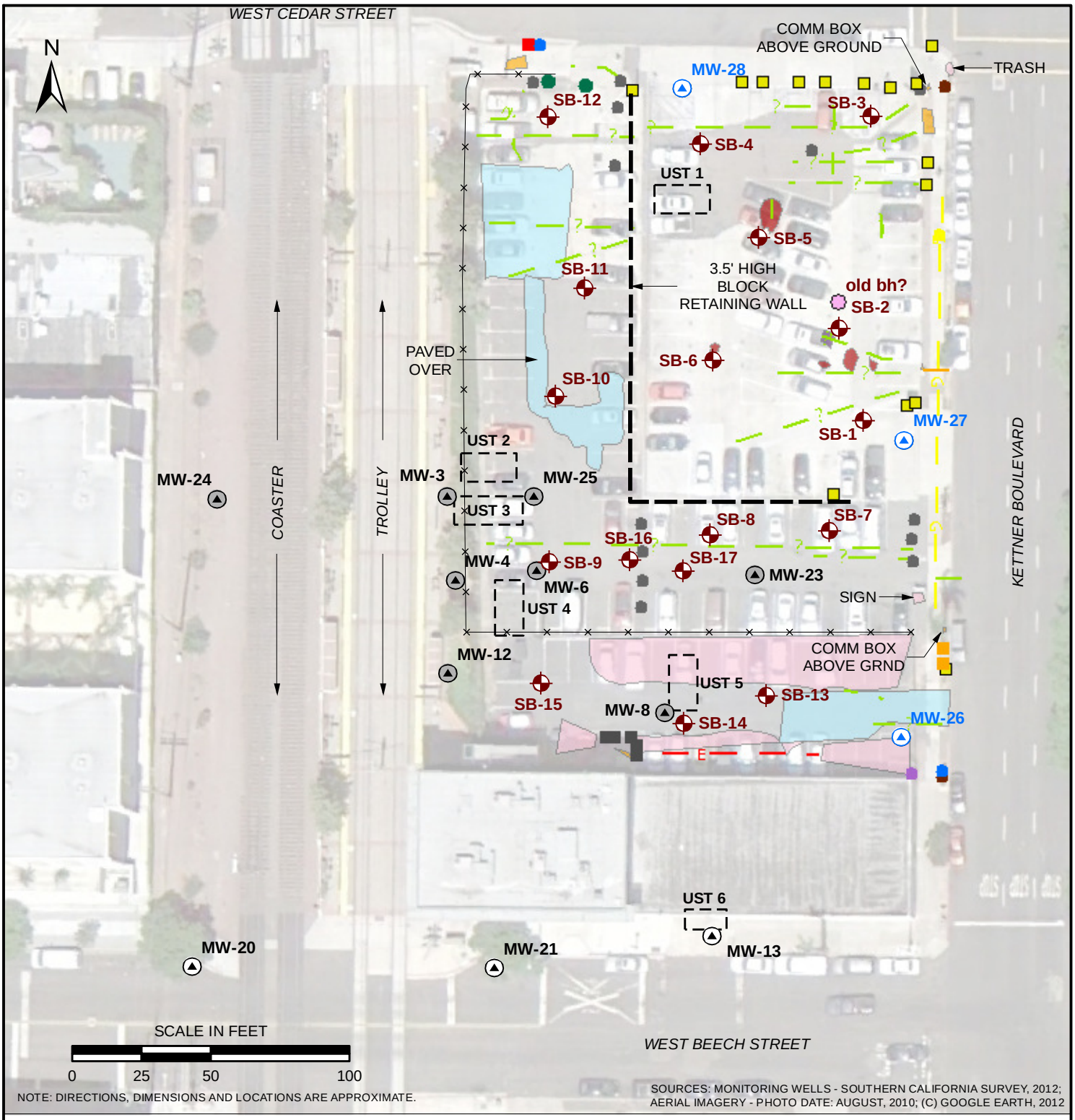

NOTE: DIRECTIONS, DIMENSIONS AND LOCATIONS ARE APPROXIMATE.

SOURCES: MONITORING WELLS - SOUTHERN CALIFORNIA SURVEY, 2012; AERIAL IMAGERY - PHOTO DATE: AUGUST, 2010; (C) GOOGLE EARTH, 2012

LEGEND

- SB-16 SHALLOW SOIL BORING
- MW-28 MONITORING WELL (NINYO & MOORE, 2012)
- MW-21 MONITORING WELL
- MW-25 FORMER MONITORING WELL (CTE, INC., 1994)
- UST 6 FORMER UNDERGROUND STORAGE TANK (UST), CTE, INC., 1994

GEOPHYSICAL SURVEY

- GAS RISER
- COMM-VLT
- E-VLT
- W-VLT
- BLRD
- CUT OFF POST
- PROP COR
- SGN
- STLT
- SD CLEAN_OU
- FENCE-WA
- C COMM
- E E
- G G
- ? UNKN
- EM Anomaly

STRUCTURE

- ?
- REINCONC
- SURF OBS
- TRANS

Ninyo & Moore	SHALLOW SOIL BORING LOCATIONS	FIGURE
PROJECT NO. 107334001 / DATE 7/12	CEDAR STREET AND KETTNER BOULEVARD SAN DIEGO, CALIFORNIA	3

3_107334001_SSB.mxd 7/24/2012 4:15:10 PM JDL

Cedar Street and Kettner Boulevard
San Diego, California

June 31, 2012
Project No. 107334001

Table 1 – Soil Analytical Results
Metals

	Boring/Well ID:	SB-01	SB-01	SB-02	SB-02	SB-02	SB-03	SB-03	SB-03	SB-04	SB-04	SB-04	SB-05	SB-05	SB-05	SB-06	SB-06	SB-06
	Sample Depth (feet bgs):	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	Sample ID:	SB-1-2	SB-1-3	SB-2-1	SB-2-2	SB-2-3	SB-3-1	SB-3-2	SB-3-3	SB-4-1	SB-4-2	SB-4-3	SB-5-1	SB-5-2	SB-5-3	SB-6-1	SB-6-2	SB-6-3
	Sample Date:	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12
ANALYTE	**UNITS**																	
Antimony	mg/kg	ND<16	ND<14	ND<16	ND<16	ND<14	ND<15	ND<16	ND<15	ND<14	ND<15	ND<16	ND<14	ND<15	ND<15	ND<16	ND<15	ND<15
Arsenic	mg/kg	**2.2**	ND<1.9	**2.6**	ND<2.1	ND<1.9	ND<2.1	**2.3**	**2.4**	**7.6**	**8.5**	**7.7**	**2.6**	ND<2.0	ND<2.0	**3.7**	ND<2.0	ND<2.0
Barium	mg/kg	**42**	**31**	**49**	**21**	**19**	**52**	**32**	**36**	**170**	**120**	**160**	**41**	**22**	**20**	**250**	**23**	**19**
Beryllium	mg/kg	ND<0.21	ND<0.19	ND<0.21	ND<0.21	ND<0.19	**0.27**	**0.27**	**0.28**	**0.29**	**0.29**	**0.31**	ND<0.19	ND<0.20	ND<0.20	ND<0.21	ND<0.20	ND<0.20
Cadmium	mg/kg	ND<0.21	ND<0.19	**1.6**	ND<0.21	ND<0.19	ND<0.21	ND<0.22	ND<0.20	ND<0.19	ND<0.19	ND<0.22	ND<0.19	ND<0.20	ND<0.20	**2.7**	ND<0.20	ND<0.20
Chromium	mg/kg	**8.2**	**9.9**	**13**	**7.1**	**8.1**	**11**	**11**	**11**	**3.1**	**4.0**	**2.1**	**8.7**	**7.7**	**7.6**	**14**	**8.0**	**6.7**
Cobalt	mg/kg	**2.6**	**2.7**	**4.7**	**2.5**	**3.3**	**5.6**	**5.2**	**6.2**	**1.8**	**1.7**	**2.3**	**2.7**	**2.4**	**3.2**	**2.9**	**2.6**	**2.1**
Copper	mg/kg	**7.5**	**5.0**	**8.9**	**3.2**	**3.2**	**6.8**	**4.7**	**4.4**	**3.8**	**3.8**	**3.8**	**9.3**	**3.3**	**2.9**	**54**	**3.4**	**3.0**
Lead	mg/kg	**7.9**	**2.7**	**19**	**2.4**	**2.3**	**4.0**	**4.1**	**4.3**	**4.7**	**4.8**	**5.2**	**22**	**2.4**	**2.0**	**480**	**3.0**	**2.3**
Lead, STLC	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**79**	--	--
Lead, TCLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.033**	--	--
Mercury	mg/kg	ND<0.019	ND<0.018	ND<0.019	ND<0.020	ND<0.020	ND<0.018	ND<0.020	ND<0.018	ND<0.019	ND<0.018	ND<0.019	0.023	ND<0.020	ND<0.020	**0.23**	ND<0.020	ND<0.018
Molybdenum	mg/kg	ND<1.1	ND<0.93	ND<1.1	ND<1.0	ND<0.94	ND<1.0	ND<1.1	ND<1.0	ND<0.95	**1.2**	ND<1.1	ND<0.95	ND<1.0	ND<1.0	ND<1.1	ND<1.0	ND<1.0
Nickel	mg/kg	ND<5.3	ND<4.6	ND<5.3	ND<5.2	ND<4.7	ND<5.2	ND<5.4	ND<5.1	ND<4.8	ND<4.9	ND<5.4	ND<4.8	ND<5.1	ND<5.0	**6.6**	ND<5.0	ND<5.1
Selenium	mg/kg	ND<4.2	ND<3.7	ND<4.2	ND<4.2	ND<3.8	ND<4.1	ND<4.3	ND<4.1	ND<3.8	ND<3.9	ND<4.3	ND<3.8	ND<4.1	ND<4.0	ND<4.3	ND<4.0	ND<4.1
Silver	mg/kg	ND<0.53	ND<0.46	ND<0.53	ND<0.52	ND<0.47	ND<0.52	ND<0.54	ND<0.51	ND<0.48	ND<0.49	ND<0.54	ND<0.48	ND<0.51	ND<0.50	ND<0.53	ND<0.50	ND<0.51
Thallium	mg/kg	ND<6.4	ND<5.6	ND<6.3	ND<6.2	ND<5.7	ND<6.2	ND<6.5	ND<6.1	ND<5.7	ND<5.8	ND<6.5	ND<5.7	ND<6.1	ND<6.0	ND<6.4	ND<6.0	ND<6.1
Vanadium	mg/kg	**16**	**21**	**32**	**18**	**19**	**26**	**29**	**29**	**7.8**	**7.5**	**7.3**	**20**	**18**	**18**	**21**	**17**	**15**
Zinc	mg/kg	**26**	**14**	**75**	**8.3**	**9.4**	**17**	**12**	**12**	**21**	**19**	**31**	**30**	**9.1**	**8.3**	**330**	**10**	**8.6**

Notes:
-- = not analyzed
EPA Method 6010B/7471A
bgs = below ground surface
mg/kg = milligrams per kilogram
mg/l = milligrams per liter
ND< = not detected at or above the indicated reporting limit
STLC = Soluble Threshold Limit Concentration
TCLP = Toxicity Characteristic Leaching Procedure

Table 1 – Soil Analytical Results
Metals

	Boring/Well ID:	SB-07	SB-07	SB-07	SB-08	SB-08	SB-08	SB-09	SB-09	SB-09	SB-10	SB-10	SB-10	SB-11	SB-11	SB-11	SB-12
	Sample Depth (feet bgs):	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1
	Sample ID:	SB-7-1	SB-7-2	SB-7-3	SB-8-1	SB-8-2	SB-8-3	SB-9-1	SB-9-2	SB-9-3	SB-10-1	SB-10-2	SB-10-3	SB-11-1	SB-11-2	SB-11-3	SB-12-1
	Sample Date:	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12
ANALYTE	**UNITS**																
Antimony	mg/kg	ND<16	ND<15	ND<15	ND<17	ND<15	ND<16	ND<17	ND<14	ND<14	ND<17	ND<16	ND<16	ND<14	ND<14	ND<14	ND<15
Arsenic	mg/kg	2.9	ND<2.1	ND<2.0	ND<2.2	ND<2.0	ND<2.2	**8.9**	**3.9**	**6.0**	ND<2.2	ND<2.1	ND<2.2	ND<1.9	ND<1.9	ND<1.9	**2.3**
Barium	mg/kg	**61**	**24**	**23**	**33**	**24**	**21**	**73**	**45**	**73**	**33**	**19**	**18**	**40**	**22**	**21**	**78**
Beryllium	mg/kg	ND<0.21	ND<0.21	ND<0.20	ND<0.22	ND<0.20	ND<0.22	**0.39**	**0.30**	**0.34**	ND<0.22	ND<0.21	ND<0.22	ND<0.19	ND<0.19	ND<0.19	0.20
Cadmium	mg/kg	0.28	ND<0.21	ND<0.20	ND<0.22	ND<0.20	ND<0.22	ND<0.22	ND<0.19	ND<0.19	ND<0.22	ND<0.21	ND<0.22	ND<0.19	ND<0.19	ND<0.19	0.85
Chromium	mg/kg	**10**	**8.4**	**8.5**	**8.5**	**8.3**	**7.4**	**5.0**	**8.8**	**6.2**	**8.8**	**7.2**	**7.5**	**9.1**	**8.2**	**7.6**	**11**
Cobalt	mg/kg	**3.8**	**3.5**	**2.5**	**2.4**	**3.0**	**2.5**	**2.9**	**3.4**	**3.5**	**2.7**	**2.3**	**2.4**	**3.5**	**2.7**	**2.6**	**2.9**
Copper	mg/kg	**22**	**3.8**	**3.9**	**5.6**	**4.3**	**3.1**	**5.7**	**4.9**	**6.4**	**4.3**	**3.1**	**3.1**	**4.6**	**3.7**	**3.5**	**10**
Lead	mg/kg	**57**	**2.5**	**2.3**	**8.1**	**2.4**	**2.3**	**7.4**	**8.2**	**11**	**2.1**	**1.8**	**1.7**	**2.6**	**1.9**	**2.0**	**48**
Lead, STLC	mg/l	**6.1**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead, TCLP	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	**0.15**	ND<0.019	ND<0.018	ND<0.019	ND<0.020	ND<0.018	ND<0.020	ND<0.020	ND<0.020	ND<0.019	ND<0.020	ND<0.019	ND<0.018	ND<0.018	ND<0.020	ND<0.019
Molybdenum	mg/kg	ND<1.1	ND<1.0	ND<1.0	ND<1.1	ND<1.0	ND<1.1	ND<1.1	ND<0.93	ND<0.94	ND<1.1	ND<1.0	ND<1.1	ND<0.94	ND<0.93	ND<0.95	ND<0.97
Nickel	mg/kg	**5.3**	ND<5.1	ND<5.0	ND<5.5	ND<5.0	ND<5.5	ND<5.5	ND<4.6	ND<4.7	ND<5.5	ND<5.2	ND<5.5	ND<4.7	ND<4.6	ND<4.8	ND<4.8
Selenium	mg/kg	ND<4.2	ND<4.1	ND<4.0	ND<4.4	ND<4.0	ND<4.4	ND<4.4	ND<3.7	ND<3.7	ND<4.4	ND<4.2	ND<4.4	ND<3.8	ND<3.7	ND<3.8	ND<3.9
Silver	mg/kg	ND<0.53	ND<0.51	ND<0.50	ND<0.55	ND<0.50	ND<0.55	ND<0.55	ND<0.46	ND<0.47	ND<0.55	ND<0.52	ND<0.55	ND<0.47	ND<0.46	ND<0.48	ND<0.48
Thallium	mg/kg	ND<6.4	ND<6.2	ND<6.0	ND<6.6	ND<6.0	ND<6.6	ND<6.6	ND<5.6	ND<5.6	ND<6.6	ND<6.3	ND<6.5	ND<5.7	ND<5.6	ND<5.7	ND<5.8
Vanadium	mg/kg	**22**	**20**	**21**	**20**	**20**	**18**	**12**	**22**	**16**	**18**	**16**	**17**	**20**	**17**	**17**	**22**
Zinc	mg/kg	**68**	**10**	**10**	**62**	**19**	**8.7**	**22**	**19**	**31**	**11**	**8.4**	**8.6**	**14**	**9.9**	**9.4**	**69**

Notes:
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EPA Method 6010B/7471A
bgs = below ground surface
mg/kg = milligrams per kilogram
mg/l = milligrams per liter
ND< = not detected at or above the
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STLC = Soluble Threshold Limit Concent
TCLP = Toxicity Characteristic Leaching

Table 1 – Soil Analytical Results
Metals

	Boring/Well ID:	SB-12	SB-12	SB-13	SB-13	SB-13	SB-14	SB-14	SB-14	SB-15	SB-15	SB-15	SB-16	SB-16	SB-16
	Sample Depth (feet bgs):	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	Sample ID:	SB-12-2	SB-12-3	SB-13-1	SB-13-2	SB-13-3	SB-14-1	SB-14-2	SB-14-3	SB-15-1	SB-15-2	SB-15-3	SB-16-1	SB-16-2	SB-16-3
	Sample Date:	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12
ANALYTE	**UNITS**														
Antimony	mg/kg	ND<17	ND<16	ND<15	ND<16	ND<14	ND<16	ND<15	ND<15	ND<15	ND<16	ND<14	ND<16	ND<14	ND<15
Arsenic	mg/kg	ND<2.2	ND<2.2	**3.9**	**3.5**	**2.8**	**8.3**	**8.1**	**4.5**	**9.2**	**4.5**	**5.0**	**8.0**	**5.1**	**5.5**
Barium	mg/kg	**21**	**39**	**89**	**56**	**44**	**61**	**94**	**74**	**69**	**75**	**58**	**110**	**53**	**78**
Beryllium	mg/kg	ND<0.22	**0.22**	**0.21**	**0.24**	**0.24**	**0.45**	**0.43**	**0.32**	**0.40**	**0.30**	**0.31**	**0.47**	**0.30**	**0.30**
Cadmium	mg/kg	ND<0.22	ND<0.22	0.24	ND<0.21	ND<0.19	ND<0.22	ND<0.20	ND<0.19	ND<0.20	ND<0.21	ND<0.19	ND<0.21	ND<0.18	ND<0.20
Chromium	mg/kg	**8.3**	**10**	**8.5**	**8.4**	**9.9**	**5.0**	**4.6**	**6.5**	**9.7**	**7.4**	**8.1**	**4.8**	**8.2**	**8.1**
Cobalt	mg/kg	**2.8**	**6.5**	**3.6**	**2.6**	**9.7**	**3.1**	**2.8**	**3.2**	**5.3**	**3.3**	**3.3**	**3.2**	**3.6**	**3.4**
Copper	mg/kg	**3.8**	**4.3**	**10**	**24**	**5.0**	**6.3**	**6.3**	**6.1**	**12**	**5.7**	**5.5**	**7.0**	**4.8**	**5.0**
Lead	mg/kg	**2.7**	**3.4**	**43**	**120**	**4.7**	**8.5**	**8.2**	**9.3**	**11**	**15**	**14**	**7.4**	**7.9**	**9.6**
Lead, STLC	mg/l	--	--	--	**3.0**	--	--	--	--	--	--	--	--	--	--
Lead, TCLP	mg/l	--	--	--	**0.42**	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	ND<0.019	ND<0.018	**0.076**	0.046	ND<0.018	ND<0.020	ND<0.021	ND<0.018	ND<0.020	ND<0.020	ND<0.018	ND<0.020	ND<0.020	ND<0.020
Molybdenum	mg/kg	ND<1.1	ND<1.1	ND<0.98	**1.5**	ND<0.93	ND<1.1	ND<1.0	ND<0.97	ND<0.98	ND<1.1	ND<0.94	ND<1.0	ND<0.91	ND<0.98
Nickel	mg/kg	ND<5.5	ND<5.4	ND<4.9	ND<5.3	ND<4.7	ND<5.4	ND<5.0	ND<4.9	**5.6**	ND<5.3	ND<4.7	ND<5.2	ND<4.6	ND<4.9
Selenium	mg/kg	ND<4.4	ND<4.3	ND<3.9	ND<4.2	ND<3.7	ND<4.3	ND<4.0	ND<3.9	ND<3.9	ND<4.2	ND<3.8	ND<4.2	ND<3.7	ND<3.9
Silver	mg/kg	ND<0.55	ND<0.54	ND<0.49	ND<0.53	ND<0.47	ND<0.54	ND<0.50	ND<0.49	ND<0.49	ND<0.53	ND<0.47	ND<0.52	ND<0.46	ND<0.49
Thallium	mg/kg	ND<6.6	ND<6.5	ND<5.9	ND<6.3	ND<5.6	ND<6.5	ND<6.0	ND<5.8	ND<5.9	ND<6.4	ND<5.7	ND<6.3	ND<5.5	ND<5.9
Vanadium	mg/kg	**22**	**26**	**20**	**16**	**33**	**12**	**12**	**18**	**19**	**19**	**19**	**13**	**20**	**19**
Zinc	mg/kg	**9.7**	**11**	**75**	**86**	**12**	**24**	**24**	**25**	**37**	**28**	**26**	**29**	**20**	**22**

Notes:
-- = not analyzed
EPA Method 6010B/7471A
bgs = below ground surface
mg/kg = milligrams per kilogram
mg/l = milligrams per liter
ND< = not detected at or above the
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STLC = Soluble Threshold Limit Concent
TCLP = Toxicity Characteristic Leaching

Table 2 – Soil Analytical Results
Total Petroleum Hydrocarbons

	Boring/Well ID:	SB-09	SB-09	SB-14	SB-14	SB-15	SB-15	SB-16	SB-16
	Sample Depth (ft bgs):	1	5	3	5	3	5	1	5
	Sample ID:	SB-9-1	SB-9-5	SB-14-3	SB-14-5	SB-15-3	SB-15-5	SB-16-1	SB-16-5
	Sample Date:	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12
	EPA Method:	8015B	8015B	8015B	8015B	8015B	8015B	8015B	8015B
ANALYTE	UNITS								
GRO (C4-C12)	mg/kg	ND<0.390	**510**	**6.7**	**220**	**5.1**	**390**	ND<0.390	**260**
DRO (C10-C28)	mg/kg	**1400**	**4700**	**1900**	**5100**	**1300**	**5000**	**560**	**5900**
ORO (C29-C40)	mg/kg	**100**	ND<370	**180**	ND<300	ND<100	ND<500	**52**	ND<500

Notes:
DRO = diesel range organics
GRO = gasoline range organics
ORO = oil range organics
ft bgs = feet below ground surface
µg/kg = micrograms per kilogram
ND< = not detected at or above the indicated reporting limit

Table 3 – Soil Analytical Results
Volatile Organic Compounds

Boring/Well ID:	SB-09	SB-09	SB-14	SB-14	SB-15	SB-15	SB-16	SB-16
Sample Depth (ft bgs):	1	5	3	5	3	5	1	5
Sample ID:	SB-9-1	SB-9-5	SB-14-3	SB-14-5	SB-15-3	SB-15-5	SB-16-1	SB-16-5
Sample Date:	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12	06/03/12
EPA Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Units:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
ANALYTE								
Acetone	ND<50	ND<1500	**43**	ND<1500	ND<1500	ND<1500	**15**	ND<1500
Benzene	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
Bromobenzene	ND<25	ND<250	ND<12	ND<250	ND<240	ND<240	ND<5.0	ND<250
Bromochloromethane	ND<25	ND<250	ND<12	ND<250	ND<240	ND<240	ND<5.0	ND<250
Bromoform	ND<25	ND<250	ND<12	ND<250	ND<240	ND<240	ND<5.0	ND<250
Bromomethane	ND<25	ND<250	ND<12	ND<250	ND<240	ND<240	ND<5.0	ND<250
n-Butylbenzene	ND<25	**1500**	ND<12	**400**	**300**	ND<240	ND<5.0	ND<250
sec-Butylbenzene	ND<25	**850**	ND<12	ND<250	ND<240	**900**	ND<5.0	ND<250
Carbon Tetrachloride	ND<25	ND<250	ND<12	ND<250	ND<240	ND<240	ND<5.0	ND<250
Chlorobenzene	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
Chloroethane	ND<25	ND<250	ND<12	ND<250	ND<240	ND<240	ND<5.0	ND<250
Chloroform	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
Chloromethane	ND<25	ND<250	ND<12	ND<250	ND<240	ND<240	ND<5.0	ND<250
2-Chlorotoluene	ND<25	ND<250	ND<12	ND<250	ND<240	ND<240	ND<5.0	ND<250
4-Chlorotoluene	ND<25	ND<250	ND<12	ND<250	ND<240	ND<240	ND<5.0	ND<250
Di-isopropyl ether	ND<25	ND<250	ND<12	ND<250	ND<240	ND<240	ND<5.0	ND<250
1,2-Dibromo-3-chloropropane	ND<25	ND<250	ND<12	ND<250	ND<240	ND<240	ND<5.0	ND<250
Dibromochloromethane	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
1,2-Dibromoethane (EDB)	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
Dibromomethane	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
1,2-Dichlorobenzene	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
1,3-Dichlorobenzene	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
1,4-Dichlorobenzene	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
Dichlorobromomethane	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
1,1-Dichloroethane	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
1,2-Dichloroethane	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
1,1-Dichloroethene	ND<25	ND<250	ND<12	ND<250	ND<240	ND<240	ND<5.0	ND<250
cis-1,2-Dichloroethene	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
trans-1,2-Dichloroethene	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
1,2-Dichloropropane	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
1,3-Dichloropropane	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
2,2-Dichloropropane	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
1,1-Dichloropropene	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
cis-1,3-Dichloropropene	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
trans-1,3-Dichloropropene	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
Ethanol	ND<1500	ND<15000	ND<740	ND<15000	ND<15000	ND<15000	ND<300	ND<15000
Ethylbenzene	ND<9.9	**1700**	**11**	**250**	**150**	**930**	ND<2.0	**390**
Freon 11 (Trichlorofluoromethane)	ND<25	ND<250	ND<12	ND<250	ND<240	ND<240	ND<5.0	ND<250
Freon 12 (Dichlorodifluoromethane)	ND<25	ND<250	ND<12	ND<250	ND<240	ND<240	ND<5.0	ND<250
Hexachlorobutadiene	ND<25	ND<250	ND<12	ND<250	ND<240	ND<240	ND<5.0	ND<250
2-Hexanone	ND<120	ND<1200	ND<62	ND<1200	ND<1200	ND<1200	ND<25	ND<1200
Isopropylbenzene	ND<9.9	**730**	**6.5**	**170**	**100**	**690**	ND<2.0	**200**
p-Isopropyltoluene	ND<9.9	**1100**	**13**	**360**	**270**	**1200**	ND<2.0	**210**
Methyl Ethyl Ketone	ND<50	ND<1000	ND<25	ND<1000	ND<970	ND<970	ND<10	ND<1000
Methyl isobutyl ketone (MIBK)	ND<25	ND<500	ND<12	ND<500	ND<490	ND<480	ND<5.0	ND<500
Methyl Tert-butyl ether (MTBE)	ND<25	ND<250	ND<12	ND<250	ND<240	ND<240	ND<5.0	ND<250
Methylene chloride	ND<99	ND<1000	ND<49	ND<1000	ND<970	ND<970	ND<20	ND<1000
Naphthalene	ND<25	**2900**	ND<12	**1000**	ND<240	**2800**	ND<5.0	**790**
n-Propylbenzene	ND<9.9	**1500**	**8.8**	**280**	**170**	**1200**	ND<2.0	**350**
Styrene	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
tert-amyl Methyl Ether	ND<25	ND<250	ND<12	ND<250	ND<240	ND<240	ND<5.0	ND<250
Tert-Butyl alcohol (TBA)	ND<500	ND<5000	ND<250	ND<5000	ND<4900	ND<4800	ND<100	ND<5000
tert-Butyl Ethyl Ether	ND<25	ND<250	ND<12	ND<250	ND<240	ND<240	ND<5.0	ND<250
tert-Butylbenzene	ND<25	ND<250	ND<12	ND<250	ND<240	ND<240	ND<5.0	ND<250
1,1,1,2-Tetrachloroethane	ND<25	ND<250	ND<12	ND<250	ND<240	ND<240	ND<5.0	ND<250
1,1,2,2-Tetrachloroethane	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
Tetrachloroethene	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
Toluene	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
1,2,3-Trichlorobenzene	ND<25	ND<250	ND<12	ND<250	ND<240	ND<240	ND<5.0	ND<250
1,2,4-Trichlorobenzene	ND<25	ND<250	ND<12	ND<250	ND<240	ND<240	ND<5.0	ND<250
1,1,1-Trichloroethane	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
1,1,2-Trichloroethane	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
Trichloroethene	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	ND<2.0	ND<100
1,2,3-Trichloropropane	ND<50	ND<500	ND<25	ND<500	ND<490	ND<480	ND<10	ND<500
1,2,4-Trimethylbenzene	ND<9.9	**9900**	ND<4.9	**1800**	ND<97	**6800**	ND<2.0	**980**
1,3,5-Trimethylbenzene	ND<9.9	**1500**	ND<4.9	**370**	ND<97	**410**	ND<2.0	ND<100
Vinyl Chloride	ND<25	ND<250	ND<12	ND<250	ND<240	ND<240	ND<5.0	ND<250
m,p-Xylene	ND<9.9	**400**	ND<4.9	**120**	ND<97	**200**	**8.0**	ND<100
o-Xylene	ND<9.9	ND<100	ND<4.9	ND<100	ND<97	ND<97	**3.5**	ND<100
Xylenes (Total)	ND<20	**400**	ND<9.9	ND<200	ND<190	**200**	**12**	ND<200

Notes:
ft bgs = feet below ground surface
µg/kg = micrograms per kilogram
ND< = not detected at or above the indicated reporting limit

APPENDIX A

SELECT DEPARTMENT OF ENVIRONMENTAL HEALTH CORRESPONDENCE

County of San Diego

GARY ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

RICHARD HAAS
ASSISTANT DIRECTOR

September 22, 1999

County of San Diego
Chief Administrative Office
Office of Special Projects
Attn: Ms. Lucy Franck
1600 Pacific Highway
San Diego, CA 92101

Dear Ms. Franck:

UNDERGROUND STORAGE TANK (UST) CASE
KETTNER REMEDIATION SITE
1516 KETTNER BOULEVARD
SAN DIEGO, CA 92101
#H06030-002

This letter confirms the completion of a site investigation and remedial action for the underground storage tank system formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank system is greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank release is required.

This notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations. Please contact Melissa Porter at (619) 338-2371 if you have questions regarding this matter.

Sincerely,

CHRIS GONAVER, Chief
Land and Water Quality Division

CG:MP

Enclosure

cc: Regional Water Quality Control Board
Dave Deaner, SWRCB, UST Cleanup Fund Program

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

DATE: September 22, 1999

Agency Name: County of San Diego, Environmental Health, SAM	Address: P.O. Box 129261
City/State/ZIP: San Diego, CA 92112-9261	Phone: (619) 338-2222 FAX: (619) 338-2377
Responsible Staff Person: Beatrice Griffey	Title: Project Manager

II. CASE INFORMATION

Site Facility Name: County of San Diego Kettner Site		
Site Facility Address: 1516 Kettner Blvd., San Diego, CA 92101		
RB LUSTIS Case No: N/A	Local Case No: H06030-002	LOP Case No: N/A
URF Filing Date: 11/08/1993	SWEEPS No: N/A	
Responsible Parties:	Address:	Phone Number:
County of San Diego Chief Administrative Office		
Office of Special Projects Attn: Lucy Franck	1600 Pacific Highway San Diego, CA 92101	(619) 531-5287

Tank No.	Size in Gal.	Contents	Closed in Place/Removed	Date
1	7500 gallon steel UST	Gasoline	Removed	01/12/1996
2-4	10,000 gallon steel USTs	Gasoline	Removed	12/13-14/1984
5	10,000 gallon steet UST	Gasoline	Removed	12/21/84
6	1000 gallon gasoline steel UST	Gasoline	Removed	12/10/1984
7	11600 gallon concrete sump	Waste Oil	Removed	01/16/1996

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Leaking underground storage tank systems - waste oil, diesel, and gasoline

Site Characterization complete? Yes	Date Approved By Oversight Agency: 05/24/1999	
Monitoring Wells Installed? Yes	Number: 5	Proper Screened Interval? Yes
Highest GW Depth Below Ground Surface: 18.15' bgs	Lowest Depth: 29.68' bgs	Flow Direction: South & Southwest

Most Sensitive Current Use:
Groundwater has no designated or potential beneficial uses.
Surface Water having designated or potential beneficial uses for: Recreational 1 (Body contact) and/or Recreational 2.
Coastal Waters have the following designated beneficial uses: Recreational 1 (Body contact); Recreational 2: Estuarine Habitat; Wild Habitat; Rare, Threatened, or Endangered Species; Marine Habitat.

Are Drinking Water Wells Affected? No	Aquifer Name: San Diego Mesa Hydrologic Area (RWQCB Basin #8.21)
Is Surface Water Affected? No	Nearest SW name: San Diego Bay ~1000' to the west

Off-Site Beneficial Use Impacts (addresses/locations): None

Report(s) on file? Yes	Where is Report(s) Filed? County of San Diego, Environmental Health

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank(s)	7500 gallon gasoline steel UST 11600 gallon waste oil sump	Recycled - American Metal Recycling Disposal - unknown, suspected landfill	01/12/1996 01/16/1996
Soil	6084.4 tons (3579 cubic yards) 4250 tons (2500 cubic yards)	Disposal - Soil Wash Technologies On Site Biotreatment - used as backfill on site	02/1996
Groundwater and Free product	109 gallons 800 gallons 47 gallons 110 gallons 90 gallons	Disposal - Maness Environmental Services Disposal - Demenno Kerdoon Disposal - Maness Environmental Services Disposal - Crosby & Overton Disposal - Soil Wash Technologies	10/24/1995 02/23/1996 02/21/1997 04/24/1998 04/07/1999
Barrels	2 drums of soil	Recycled - Soil Wash Technologies	02/24/1997

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)

H06030-002

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS - - BEFORE AND AFTER CLEANUP

Contaminant	Soil (ppm)		Water (ppm)		Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)	14000	14000	11.054	4.7	MTBE	NA*	NA	NA	<0.005
TPH (Diesel)	34000	34000	85	85	Ethylbenzene	131	99	0.238	0.12
Benzene	105	65	1.8	1.8	Organic Lead (soil) Total Lead (water)	4.8	4.8	NA	<0.005
Toluene	378	360	0.303	0.013	PolyNuclear Aromatic Hydrocarbons	NA	NA	NA	0.2
Xylene	714	390	0.35	0.0088	TRPH	29000	NA	NA	NA

Comments: During initial site assessment activities up to 6.77' of free product was encountered at the site. Approximately 10,344 tons (6079 cubic yards) of TPH impacted soil was excavated to a maximum depth of 2' - 3' below the water table. During post remedial monitoring, up to 0.08' of free product has been encountered at the site. The environmental consultant has concluded that the free product has been removed to the extent practicable, the plume is stable, and there is no recoverable hydrocarbon product remaining onsite (Gradient Engineers, 4/29/99). An unknown volume of soil contamination remains at the site. However, the consultant has concluded that the contamination is isolated to the capillary fringe and based on current site usage the site conditions are protective of human health and the environment.

* NA - not analyzed

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes

Does corrective action protect public health for current land use? Yes

Case oversight completed based upon the current/future site use as a parking lot.

Site Management Requirements:

Any contaminated soil excavated as part of subsurface construction work must be managed in accordance with the legal requirements at that time.

Should corrective action be reviewed if land use changes? Yes

Monitoring Wells Decommissioned: No	Number Decommissioned: 0	Number Retained: 5

List Enforcement Actions Taken: Notice of Corrective Action and Reimbursement Responsibility

List Enforcement Actions Rescinded: none

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Kevin Heaton	Title: Senior Hydrogeologist Land and Water Quality Division
Signature: K. M. H	Date: 9/20/99

VI. RWQCB NOTIFICATION

Date Submitted to RB: Site is located within a non-beneficial use hydrologic area.	RB Response:	
RWQCB Staff Name:	Title:	Date:

VII. ADDITIONAL COMMENTS, DATA, ETC.

This site has historically (from at least 1903 until the last tank was removed in 1996) contained 6 known underground storage tanks, one waste oil pit and three large capacity above ground storage tanks. Even though the USTs last known uses were for gasoline and waste oil, historically they may have also contained diesel fuel.

According to Luck Franck (County of San Diego), MW-24 and MW-25 will be abandoned in accordance with current well standards within 60 days of receipt of the SAM Case Closure Letter.

Petroleum contamination associated with Hercules Oil Company pipeline, located in the vicinity of Beech Street, requires additional environmental assessment activities. MW-13, MW-20, and MW-21 will be retained to monitor groundwater quality in the vicinity of Beech Street until environmental issues regarding the Hercules Oil Company pipeline have been adequately addressed to the satisfaction of SAM.

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file.

APPENDIX B

GEOPHYSICAL EVALUATION REPORT

GEOPHYSICAL EVALUATION
5 STAR PARKING LOT
SAN DIEGO, CALIFORNIA

PREPARED FOR:
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123

PREPARED BY:
Southwest Geophysics, Inc.
8057 Raytheon Road, Suite 9
San Diego, CA 92111

June 15, 2012
Project No. 112184

SOUTHWEST
GEOPHYSICS, INC.
YOUR SUBSURFACE SOLUTION

June 15, 2012
Project No. 112184

Mr. Scott Lutz
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123

Subject: Geophysical Evaluation
5 Star Parking Lot
San Diego, California

Dear Mr. Lutz:

In accordance with your authorization, we are pleased to submit this data report pertaining to our geophysical evaluation for the subject property located at the southwest corner West Cedar Street and Kettner Boulevard in San Diego, California. The purpose of our evaluation was to assess the presence of buried underground storage tanks (USTs) and/or backfilled excavations associated with UST removal at the site. In addition, the presence of detectable underground utilities was delineated at the site and in the vicinity of 15 proposed borehole locations. Our services were conducted on June 2, 2012. This report presents the survey methodology, equipment used, analysis, and results from our study.

We appreciate the opportunity to be of service on this project. Should you have any questions please contact the undersigned at your convenience.

Sincerely,
SOUTHWEST GEOPHYSICS, INC.

Patrick Lehrmann, P.G., P.Gp.
Principal Geologist/Geophysicist

Hans van de Vrugt, C.E.G., P.Gp.
Principal Geologist/Geophysicist

PFL/HV/hv

Distribution: Addressee (Electronic)

REGISTERED GEOPHYSICIST
PATRICK F. LEHRMANN
No. 1043
Exp. 1/31/14
STATE OF CALIFORNIA

8057 Raytheon Road, Suite 9 • San Diego • California 92111 • Telephone 858-527-0849 • Fax 858-225-0114

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Figure 2 – Site Map
Figure 3 – Site Photographs

1. INTRODUCTION

In accordance with your authorization, we are pleased to submit this data report pertaining to our geophysical evaluation for the property located at the southwest corner West Cedar Street and Kettner Boulevard in San Diego, California (Figure 1). The purpose of our evaluation was to assess the presence of buried underground storage tanks (USTs) and/or backfilled excavations associated with UST removal at the site. In addition, the presence of detectable underground utilities was delineated at the site and in the vicinity of 15 proposed borehole locations. Our services were conducted on June 2, 2012. This report presents the survey methodology, equipment used, analysis, and results from our study.

2. SCOPE OF SERVICES

Our scope of services included:

- Performance of a geophysical survey at the subject site. Our survey included the use of a Schonstedt GA-52 magnetic gradiometer, Geonics model EM61 time domain instrument, Fisher M-Scope TW-6 pipe and cable locator, RD4000 line tracer, and GSSI SIR 3000 Ground Penetrating Radar (GPR) unit using 400 MHz transducer.
- Site reconnaissance including field mapping of surface structures at and near the survey area.
- Compilation and analysis of the data collected.
- Preparation of this report presenting our findings, conclusions and recommendations.

3. SITE AND PROJECT DESCRIPTION

The project site is located at the southwest corner of West Cedar Street and Kettner Boulevard in San Diego, California (Figure 1). The site is bordered to the west and south by railroad tracks and a building respectively. The property is an active parking lot paved with asphalt and concrete. Figures 2 and 3 depict the general site conditions at the property.

Based on our discussions with you, it is our understanding that USTs once existed at the site. Details regarding the specific location and/or removal of the former tanks reportedly are not available.

4. GEOPHYSICAL INSTRUMENTATION AND APPLICATIONS

Our evaluation included the use of a Geonics model EM61, GSSI SIR 3000 GPR, Schonstedt, model GA-52C magnetic gradiometer, Fisher M-Scope TW-6 pipe and cable locator, and RD4000 line tracer. These instruments provide real-time results and facilitate the delineation of subsurface features.

The EM61 instrument is a high resolution, time-domain device for detecting buried conductive objects. It consists of a powerful transmitter that generates a pulsed primary magnetic field when its coils are energized, which induces eddy currents in nearby conductive objects. The decay of the eddy currents, following the input pulse, is measured by the coils, which in turn serve as receiver coils. The decay rate is measured for two coils, mounted concentrically, one above the other. By making the measurements at a relatively long time interval (measured in milliseconds) after termination of the primary pulse, the response is nearly independent of the electrical conductivity of the ground. Thus, the instrument is a super-sensitive metal detector. Due to its unique coil arrangement, the response curve is a single well-defined positive peak directly over a buried conductive object. This facilitates quick and accurate location of targets. Conductive objects to a depth of approximately 11 feet generally can be detected.

The GPR instrument beams energy into the ground from its transducer/antenna, in the form of electromagnetic waves. A portion of this energy is reflected back to the antenna at boundaries in the subsurface across which there are an electrical contrast. The recorder continuously makes a record of the reflected energy as the antenna is moved across the ground surface. The greater the electrical contrast, the higher the amplitude of the returned energy. The EM wave travels at a velocity unique to the material properties of the ground being studied, and when these velocities are known, or closely estimated from ground conductivity values and other information, two-way travel times can be converted to depth. Penetration into the ground and resolution of the GPR images produced are a function of ground electrical conductivity and dielectric constant. Images tend to be graphic, even at considerable depth, in sandy soils, but penetration and resolution may be limited in more conductive clayey moist ground.

The magnetic gradiometer has two fluxgate magnetic fixed sensors that are passed closely to and over the ground. When not in close proximity to a magnetic object, that is, only in the earth's field, the instrument emits an audible signal at a low frequency. When the instrument passes over buried iron or steel objects, so that the field is significantly different at the two sensors, the frequency of the emitted sound increases. Frequency is a function of the gradient between the two sensors.

The M-Scope TW-6 device energizes the ground by producing an alternating primary magnetic field with alternating current (AC) in the transmitting coil. If conducting materials (including soils) are within the area of influence of the primary field, AC eddy currents are induced to flow in the conductors. A receiving coil senses the secondary magnetic field produced by these eddy currents, and outputs an audio response. The strength of the secondary field is a function of the conductivity of the object, its size, and its depth and position relative to the instrument's two coils. Conductive objects to a depth of approximately 10 feet are sensed. Also the device is somewhat focused, that is, it is more sensitive to conductors below (and above) the instrument, than to conductors off to the side.

Where risers are present, the RD4000 utility locator transmitter can be connected to the object, and a current is impressed on the conductor pipe or cable. The receiver unit is tuned to this same frequency, and it is used to trace the pipe's surface projection away from the riser. In addition, the instrument may be used in the passive mode, whereby radio and 60 Hz electromagnetic signals produced by communication and live electric lines are detected.

5. SURVEY METHODOLOGY

In order to facilitate EM61 data collection, a Trimble Pro XRS Global Positioning System (GPS) was used for spatial control. In general, EM61 data were collected at 1 second intervals along traverses spaced 5 feet apart across the accessible portions of the study area. GPR traverses were conducted along east-west and north-south profiles spaced roughly 5 feet apart in accessible portions of study area. GPR traverses were also performed along random profiles across and near detected EM anomalies. Traverses with the magnetic gradiometer and M-Scope were conducted

along traverses spaced approximately 5 to 10 feet apart in accessible portions of the study area. The line tracer was used to delineate the location of utilities.

Recorded EM61 data were downloaded to a portable computer in the field for preliminary analysis. The data were then plotted on a site map in the field and reported to you at the completion of the survey.

6. RESULTS, CONCLUSIONS AND RECOMMENDATIONS

As previously discussed, the purpose of our evaluation was to assess the presence of buried underground storage tanks (USTs) and/or backfilled excavations associated with UST removal at the site. In addition, the presence of detectable underground utilities was delineated at the site and in the vicinity of 15 proposed borehole locations.

The results of our EM survey revealed several anomalies in the northeast portion of the site and three buried reinforced concrete slabs/foundations in the western and southern portions of the site. The cause of the EM anomalies in the northeast portion of the property is unknown; however, the largest of these could represent a small UST (Figures 2 and 3). GPR traverses over these anomalies were inconclusive. The three buried concrete slabs appear to be reinforced with bars, and therefore, could be associated with former building foundations.

The results of our survey also revealed the presence of detectable underground lines or subsurface obstructions in the vicinity of 15 proposed borehole locations. Where potential conflicts exited the boreholes were moved with your approval.

Our surveys utilized industry standard equipment (i.e., GPR, electromagnetic, and magnetic instruments) and was conducted in general accordance with current practice. It should be noted, however, that the presence of existing structures and surface objects (i.e., sign and light poles, reinforced concrete, construction supplies, building elements, etc.) potentially limited the survey. Where obstructions were present subsurface data could not be collected. Moreover, EM/magnetic responses produced by metal surface objects can potentially obscure subsurface

features. Figures 2 and 3 present the general site conditions and some of the obstructions encountered. Additionally, radar penetration was on the order of 2 to 3 feet below the ground surface; therefore, objects below this depth would not have been detected.

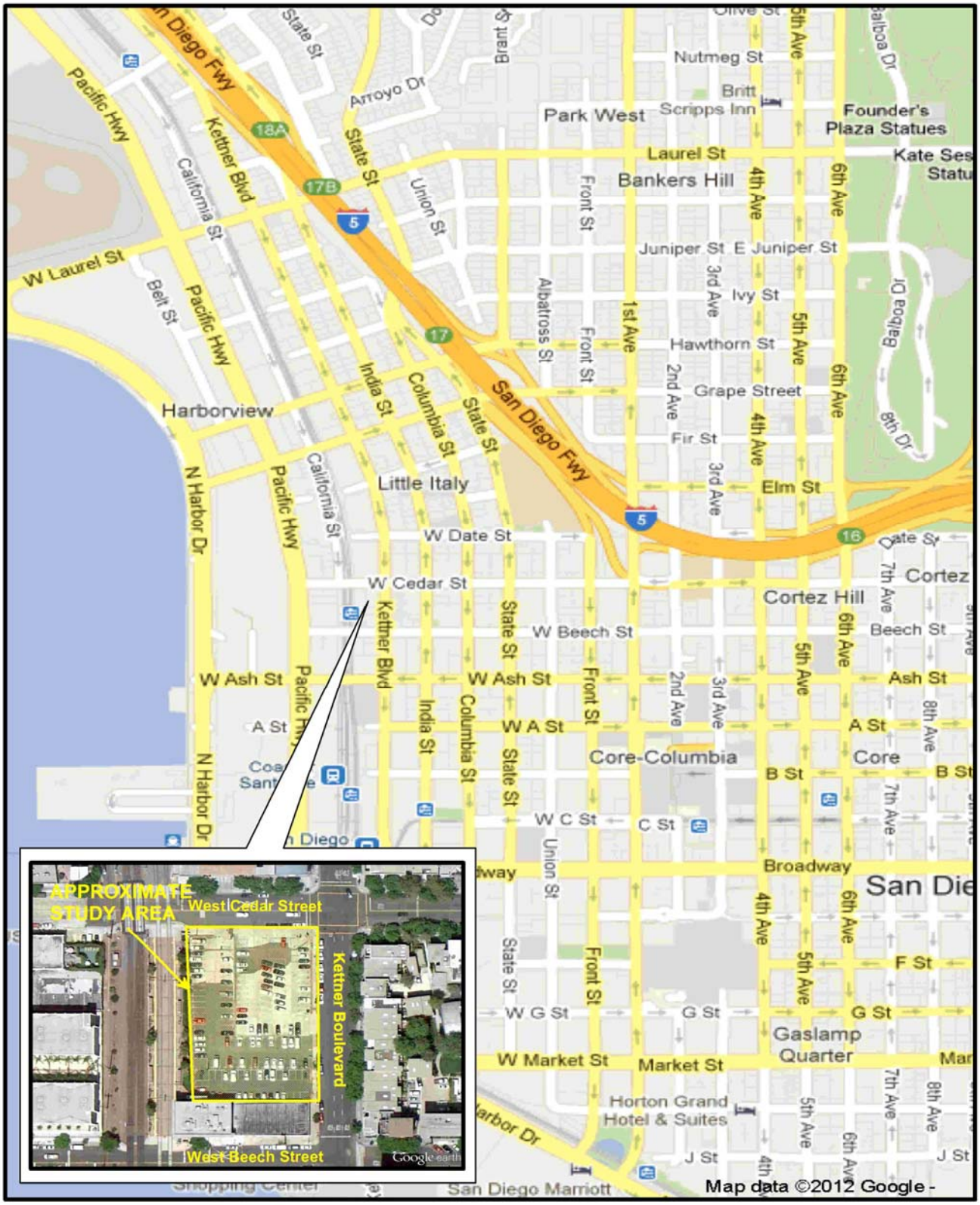
In order to further assess the features described above, we recommend that more direct methods be used. Such methods may include the excavation of exploratory trenches/test pits.

7. LIMITATIONS

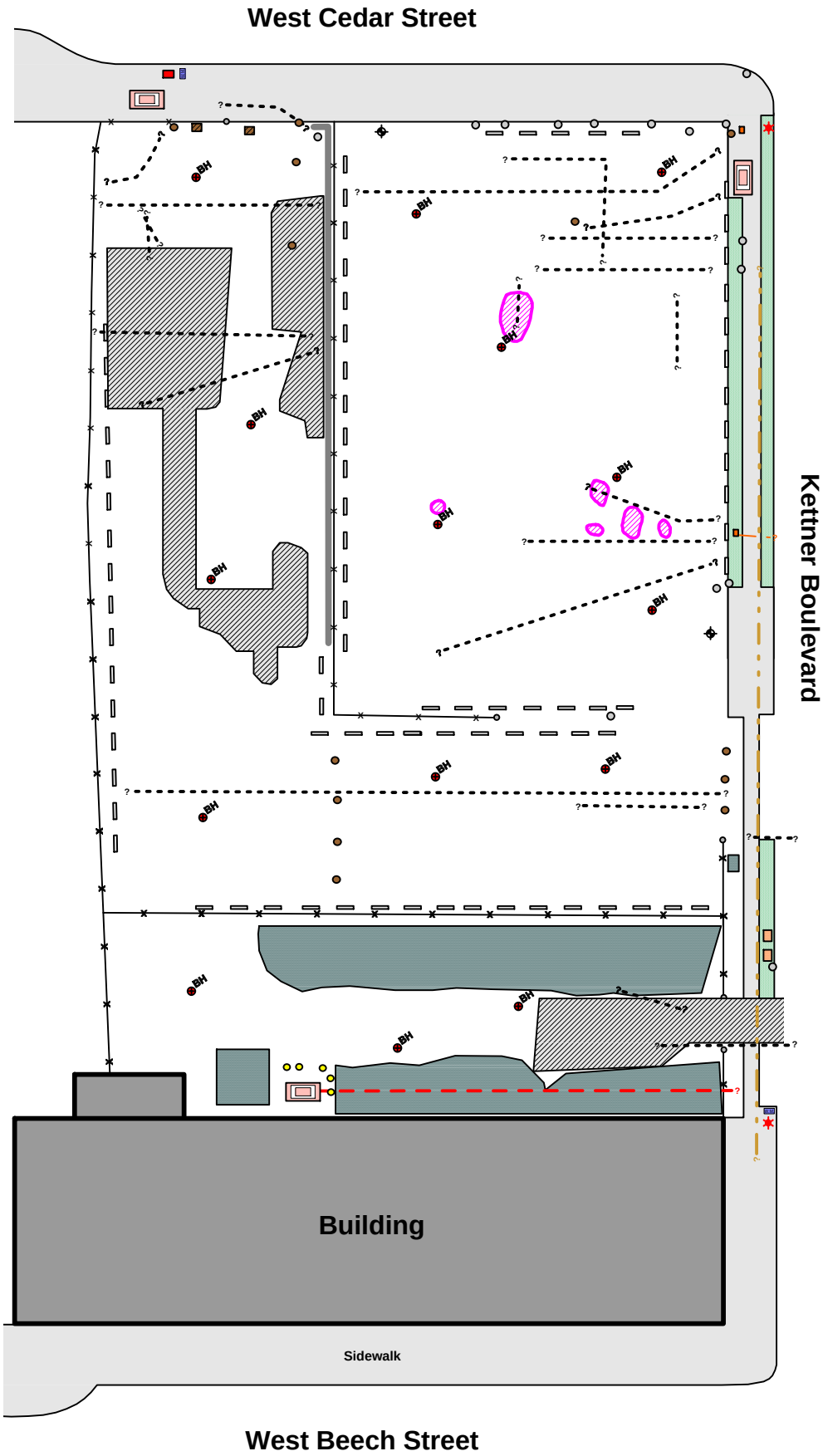
The field evaluation and geophysical analyses presented in this report have been conducted in general accordance with current practice and the standard of care exercised by consultants performing similar tasks in the project area. No warranty, expressed or implied, is made regarding the conclusions and opinions presented in this report. There is no evaluation detailed enough to reveal every subsurface condition. Variations may exist and conditions not observed or described in this report may be present. Uncertainties relative to subsurface conditions can be reduced through additional subsurface surveying and/or exploration. Additional subsurface surveying can be performed upon request.

Please also note that our evaluation was limited to the detection of USTs and/or backfilled tank excavations, as well as the presence of detectable underground lines in the area of 15 proposed boreholes. “USA” or “Dig Alert” should also be contacted prior to conducting subsurface exploration activities. In addition, we recommend that available utility plans/drawings of the project site be reviewed as appropriate.

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. Southwest Geophysics, Inc. should be contacted if the reader requires additional information or has questions regarding the content, interpretations presented, or completeness of this document. This report is intended exclusively for use by the client. Any use or reuse of this report by parties other than the client is undertaken at said parties’ sole risk.



SITE LOCATION MAP	N	5 Star Parking Lot San Diego, California	SOUTHWEST GEOPHYSICS INC.
		Project No.: 112184 / Date: 06/12	Figure 1



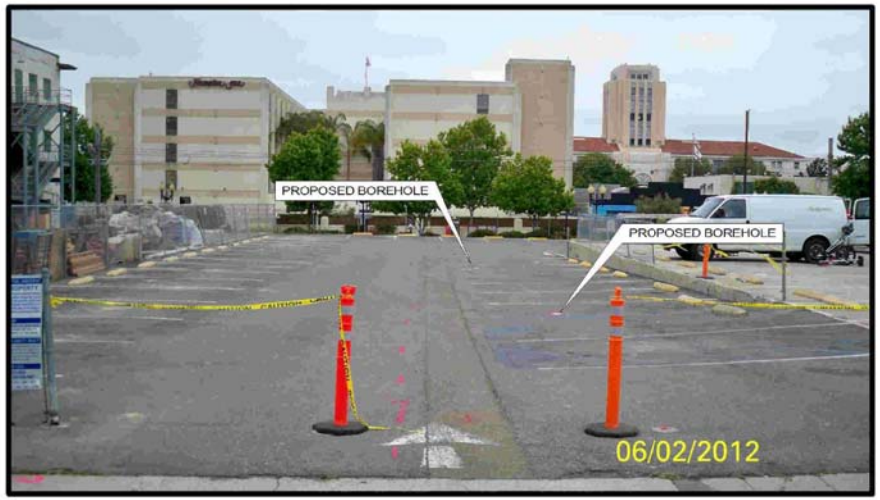
LEGEND

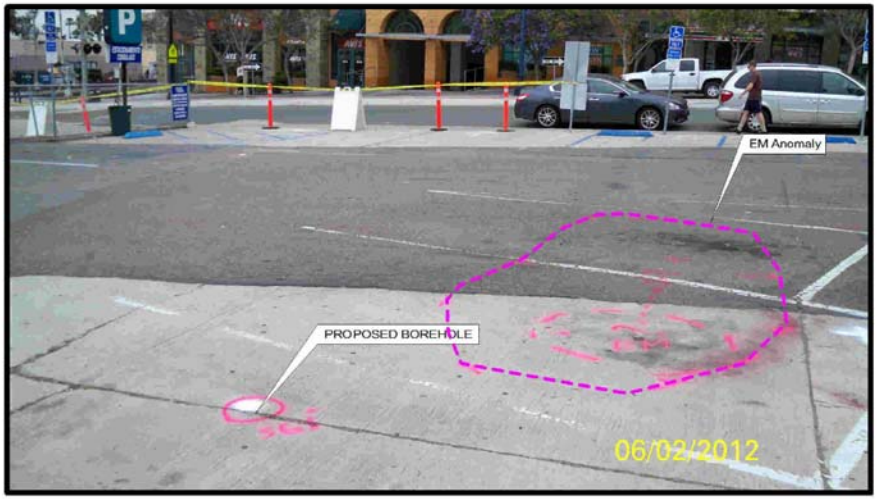
- EM Anomaly
- Buried Reinforced Concrete
- Surface Obstructions
- Building
- Planter
- Concrete Sidewalk
- Block Wall
- Fence
- Unidentified Line
- Electric Line
- Gas Line
- Communication Line
- Electric Vault
- Communication Vault
- Transformer
- Water Vault
- Sign Post
- Street Light
- Cut Off Post
- Proposed Borehole
- Monitoring Well
- Storm Drain
- Bollard

* All dimensions are approximate.
* Lines queried where termination uncertain.

0 40 80
approximate scale in feet

SITE MAP	N	5 Star Parking Lot San Diego, California	SOUTHWEST GEOPHYSICS INC.
		Project No.: 112184 / Date: 06/12	Figure 2





SITE PHOTOGRAPHS	5 Star Parking Lot San Diego, California	SOUTHWEST GEOPHYSICS INC.
	Project No.: 112184 / Date: 06/12	Figure 3

APPENDIX C

BORING LOGS

Date Start/Finish:	6/3/2012	**Northing:**	NM	**Boring ID:**	**SB-1**
Drilling Company:	Cascade Drilling, LP	**Easting:**	NM	**Client:**	County of San Diego
Driller's Name:	Raul P.	**Elevation:**	NM		
Drilling Method:	Direct Push	**Total Depth:**	5 feet bgs	**Location:**	Southwest of Cedar Street and Kettner Boulevard San Diego, California
Bit Size:	1.5-inch Diameter	**Logged By:**	Scott Lutz		
Rod Diameter	1.25-inch Diameter	**Sampled By**	Scott Lutz		
Rig Type:	Geoprobe 6600	**Reviewed By:**	Stephan Beck, P.G.		
Sampling Method:	Acetate Sleeves				

Sample Log				Borehole Log				Backfill Log
Depth (feet bgs)	Interval Driven	Laboratory Sample	Sample Name	PID Headspace (ppm)	USCS Code	Geologic Column	Lithologic Description/Interpretation	Boring Backfill Details
0							4-inch thick concrete surface, 1.25-foot thick base.	concrete surface seal (0 ft - 0.5 ft bgs
			SB-1-1	0.0				
1								
			SB-1-2		SM/SC		FILL Brown, moist, medium dense, silty and clayey fine SAND.	
2								
			SB-1-3	0.0				hydrated granular bentonite (0.5 ft - 5 ft bgs)
3								
			SB-1-4					
4								
			SB-1-5	0.0				
5							Boring terminated at approximately 5 feet bgs. Groundwater, though not encountered during drilling, may rise or fall due to seasonal variations in precipitation and/or other factors.	
6								
7								
8								
9								
10								

Notes:
bgs = below ground surface
NM = not measured
PID = photoionization detector
P.G. = Professional Geologist
ppm = parts per million

Date Start/Finish:	6/3/2012	**Northing:**	NM	**Boring ID:**	**SB-2**
Drilling Company:	Cascade Drilling, LP	**Easting:**	NM	**Client:**	County of San Diego
Driller's Name:	Raul P.	**Elevation:**	NM		
Drilling Method:	Direct Push	**Total Depth:**	5 feet bgs	**Location:**	Southwest of Cedar Street and Kettner Boulevard San Diego, California
Bit Size:	1.5-inch Diameter	**Logged By:**	Scott Lutz		
Rod Diameter	1.25-inch Diameter	**Sampled By**	Scott Lutz		
Rig Type:	Geoprobe 6600	**Reviewed By:**	Stephan Beck, P.G.		
Sampling Method:	Acetate Sleeves				

Sample Log				Borehole Log				Backfill Log
Depth (feet bgs)	Interval Driven	Laboratory Sample	Sample Name	PID Headspace (ppm)	USCS Code	Geologic Column	Lithologic Description/Interpretation	Boring Backfill Details
0							4-inch thick concrete surface, 4-inch base.	concrete surface seal (0 ft - 0.5 ft bgs
			SB-2-1	0.0	SM		FILL Brown, moist, medium dense, silty fine to medium SAND	
1								
			SB-2-2					
2								
			SB-2-3	0.0				hydrated granular bentonite (0.5 ft - 5 ft bgs)
3								
			SB-2-4					
4							less silt	
			SB-2-5	0.0				
5							Boring terminated at approximately 5 feet bgs. Groundwater, though not encountered during drilling, may rise or fall due to seasonal variations in precipitation and/or other factors.	
6								
7								
8								
9								
10								

Notes:
bgs = below ground surface
NM = not measured
PID = photoionization detector
P.G. = Professional Geologist
ppm = parts per million

Date Start/Finish:	6/3/2012	**Northing:**	NM	**Boring ID:**	**SB-3**
Drilling Company:	Cascade Drilling, LP	**Easting:**	NM	**Client:**	County of San Diego
Driller's Name:	Raul P.	**Elevation:**	NM		
Drilling Method:	Direct Push	**Total Depth:**	5 feet bgs	**Location:**	Southwest of Cedar Street and Kettner Boulevard San Diego, California
Bit Size:	1.5-inch Diameter	**Logged By:**	Scott Lutz		
Rod Diameter	1.25-inch Diameter	**Sampled By**	Scott Lutz		
Rig Type:	Geoprobe 6600	**Reviewed By:**	Stephan Beck, P.G.		
Sampling Method:	Acetate Sleeves				

Sample Log				Borehole Log				Backfill Log
Depth (feet bgs)	Interval Driven	Laboratory Sample	Sample Name	PID Headspace (ppm)	USCS Code	Geologic Column	Lithologic Description/Interpretation	Boring Backfill Details
0							4-inch thick concrete surface, no base.	concrete surface seal (0 ft - 0.5 ft bgs
					SP-SM		FILL	
			SB-3-1	0.0			Yellowish brown to brown, moist, medium dense, fine SAND with silt.	
1								
			SB-3-2					
2								
			SB-3-3	0.0				hydrated granular bentonite (0.5 ft - 5 ft bgs)
3								
			SB-3-4					
4					SP		Brown, moist, medium dense, fine SAND.	
			SB-3-5	0.0				
5							Boring terminated at approximately 5 feet bgs.	
							Groundwater, though not encountered during drilling, may rise or fall due to seasonal variations in precipitation and/or other factors.	
6								
7								
8								
9								
10								

Notes:
bgs = below ground surface
NM = not measured
PID = photoionization detector
P.G. = Professional Geologist
ppm = parts per million

Date Start/Finish:	6/3/2012	**Northing:**	NM	**Boring ID:**	**SB-4**
Drilling Company:	Cascade Drilling, LP	**Easting:**	NM	**Client:**	County of San Diego
Driller's Name:	Raul P.	**Elevation:**	NM		
Drilling Method:	Direct Push	**Total Depth:**	5 feet bgs	**Location:**	Southwest of Cedar Street and Kettner Boulevard San Diego, California
Bit Size:	1.5-inch Diameter	**Logged By:**	Scott Lutz		
Rod Diameter	1.25-inch Diameter	**Sampled By**	Scott Lutz		
Rig Type:	Geoprobe 6600	**Reviewed By:**	Stephan Beck, P.G.		
Sampling Method:	Acetate Sleeves				

Sample Log				Borehole Log				Backfill Log
Depth (feet bgs)	Interval Driven	Laboratory Sample	Sample Name	PID Headspace (ppm)	USCS Code	Geologic Column	Lithologic Description/Interpretation	Boring Backfill Details
0							5-inch thick concrete surface, no base.	concrete surface seal (0 ft - 0.5 ft bgs
			SB-4-1	0.0	SM		FILL Yellowish brown, moist, medium dense, silty fine SAND with gravel.	
1								
			SB-4-2					
2								
			SB-4-3	0.0				hydrated granular bentonite (0.5 ft - 5 ft bgs)
3								
			SB-4-4					
4					SP		Yellowish brown, moist, medium dense, fine SAND with gravel.	
			SB-4-5	0.0			less gravel	
5							Boring terminated at approximately 5 feet bgs. Groundwater, though not encountered during drilling, may rise or fall due to seasonal variations in precipitation and/or other factors.	
6								
7								
8								
9								
10								

Notes:
bgs = below ground surface
NM = not measured
PID = photoionization detector
P.G. = Professional Geologist
ppm = parts per million

Date Start/Finish:	6/3/2012	**Northing:**	NM	**Boring ID:**	**SB-5**
Drilling Company:	Cascade Drilling, LP	**Easting:**	NM	**Client:**	County of San Diego
Driller's Name:	Raul P.	**Elevation:**	NM		
Drilling Method:	Direct Push	**Total Depth:**	5 feet bgs	**Location:**	Southwest of Cedar Street and Kettner Boulevard San Diego, California
Bit Size:	1.5-inch Diameter	**Logged By:**	Scott Lutz		
Rod Diameter	1.25-inch Diameter	**Sampled By**	Scott Lutz		
Rig Type:	Geoprobe 6600	**Reviewed By:**	Stephan Beck, P.G.		
Sampling Method:	Acetate Sleeves				

Sample Log				Borehole Log				Backfill Log
Depth (feet bgs)	Interval Driven	Laboratory Sample	Sample Name	PID Headspace (ppm)	USCS Code	Geologic Column	Lithologic Description/Interpretation	Boring Backfill Details
0							4-inch thick concrete surface, no base.	concrete surface seal (0 ft - 0.5 ft bgs
					SM		FILL	
			SB-5-1	0.0			Dark brown, moist, medium dense, silty fine SAND.	
1								
			SB-5-2					
2								
			SB-5-3	0.0				hydrated granular bentonite (0.5 ft - 5 ft bgs)
3					SP		Reddish brown, moist, medium dense, fine SAND.	
			SB-5-4					
4								
			SB-5-5	0.0				
5							Boring terminated at approximately 5 feet bgs.	
							Groundwater, though not encountered during drilling, may rise or fall due to seasonal variations in precipitation and/or other factors.	
6								
7								
8								
9								
10								

Notes:
bgs = below ground surface
NM = not measured
PID = photoionization detector
P.G. = Professional Geologist
ppm = parts per million

Date Start/Finish:	6/3/2012	**Northing:**	NM	**Boring ID:**	**SB-6**
Drilling Company:	Cascade Drilling, LP	**Easting:**	NM	**Client:**	County of San Diego
Driller's Name:	Raul P.	**Elevation:**	NM		
Drilling Method:	Direct Push	**Total Depth:**	5 feet bgs	**Location:**	Southwest of Cedar Street and Kettner Boulevard San Diego, California
Bit Size:	1.5-inch Diameter	**Logged By:**	Scott Lutz		
Rod Diameter	1.25-inch Diameter	**Sampled By**	Scott Lutz		
Rig Type:	Geoprobe 6600	**Reviewed By:**	Stephan Beck, P.G.		
Sampling Method:	Acetate Sleeves				

Sample Log				Borehole Log				Backfill Log
Depth (feet bgs)	Interval Driven	Laboratory Sample	Sample Name	PID Headspace (ppm)	USCS Code	Geologic Column	Lithologic Description/Interpretation	Boring Backfill Details
0							4-inch thick concrete surface, no base.	concrete surface seal (0 ft - 0.5 ft bgs
					SM		FILL	
			SB-6-1	0.0			Dark brown, moist, medium dense, silty fine SAND.	
1								
			SB-6-2					
2								
			SB-6-3	0.0				hydrated granular bentonite (0.5 ft - 5 ft bgs)
3								
			SB-6-4					
4					SP		Olive brown, moist, medium dense, fine SAND.	
			SB-6-5	0.0			dense	
5							Boring terminated at approximately 5 feet bgs.	
							Groundwater, though not encountered during drilling, may rise or fall due to seasonal variations in precipitation and/or other factors.	
6								
7								
8								
9								
10								

Notes:
bgs = below ground surface
NM = not measured
PID = photoionization detector
P.G. = Professional Geologist
ppm = parts per million

Date Start/Finish:	6/3/2012	**Northing:**	NM	**Boring ID:**	**SB-7**
Drilling Company:	Cascade Drilling, LP	**Easting:**	NM	**Client:**	County of San Diego
Driller's Name:	Raul P.	**Elevation:**	NM		
Drilling Method:	Direct Push	**Total Depth:**	5 feet bgs	**Location:**	Southwest of Cedar Street and Kettner Boulevard San Diego, California
Bit Size:	1.5-inch Diameter	**Logged By:**	Scott Lutz		
Rod Diameter	1.25-inch Diameter	**Sampled By**	Scott Lutz		
Rig Type:	Geoprobe 6600	**Reviewed By:**	Stephan Beck, P.G.		
Sampling Method:	Acetate Sleeves				

Sample Log				Borehole Log				Backfill Log
Depth (feet bgs)	Interval Driven	Laboratory Sample	Sample Name	PID Headspace (ppm)	USCS Code	Geologic Column	Lithologic Description/Interpretation	Boring Backfill Details
0							3-inch thick concrete surface, 3-inch base.	concrete surface seal (0 ft - 0.5 ft bgs
			SB-7-1	0.0	SM		FILL Dark brown, moist, medium dense, silty fine SAND.	
1								
			SB-7-2					
2								
			SB-7-3	0.0				hydrated granular bentonite (0.5 ft - 5 ft bgs)
3					SP		Brown, moist, medium dense, fine SAND.	
			SB-7-4					
4								
			SB-7-5	0.0				
5							Boring terminated at approximately 5 feet bgs. Groundwater, though not encountered during drilling, may rise or fall due to seasonal variations in precipitation and/or other factors.	
6								
7								
8								
9								
10								

Notes:
bgs = below ground surface
NM = not measured
PID = photoionization detector
P.G. = Professional Geologist
ppm = parts per million

Date Start/Finish:	6/3/2012	**Northing:**	NM	**Boring ID:**	**SB-8**
Drilling Company:	Cascade Drilling, LP	**Easting:**	NM	**Client:**	County of San Diego
Driller's Name:	Raul P.	**Elevation:**	NM		
Drilling Method:	Direct Push	**Total Depth:**	5 feet bgs	**Location:**	Southwest of Cedar Street and Kettner Boulevard San Diego, California
Bit Size:	1.5-inch Diameter	**Logged By:**	Scott Lutz		
Rod Diameter	1.25-inch Diameter	**Sampled By**	Scott Lutz		
Rig Type:	Geoprobe 6600	**Reviewed By:**	Stephan Beck, P.G.		
Sampling Method:	Acetate Sleeves				

Sample Log				Borehole Log				Backfill Log
Depth (feet bgs)	Interval Driven	Laboratory Sample	Sample Name	PID Headspace (ppm)	USCS Code	Geologic Column	Lithologic Description/Interpretation	Boring Backfill Details
0							3-inch thick concrete surface, 3-inch base.	concrete surface seal (0 ft - 0.5 ft bgs
			SB-8-1	0.0	SM		FILL Dark brown, moist, medium dense, silty fine SAND.	
1								
			SB-8-2					
2								
			SB-8-3	0.0				hydrated granular bentonite (0.5 ft - 5 ft bgs)
3					SP		Brown, moist, medium dense, fine SAND.	
			SB-8-4					
4							some black staining	
			SB-8-5	0.0				
5							Boring terminated at approximately 5 feet bgs. Groundwater, though not encountered during drilling, may rise or fall due to seasonal variations in precipitation and/or other factors.	
6								
7								
8								
9								
10								

Notes:
bgs = below ground surface
NM = not measured
PID = photoionization detector
P.G. = Professional Geologist
ppm = parts per million

Date Start/Finish:	6/3/2012	**Northing:**	NM	**Boring ID:**	**SB-9**
Drilling Company:	Cascade Drilling, LP	**Easting:**	NM	**Client:**	County of San Diego
Driller's Name:	Raul P.	**Elevation:**	NM		
Drilling Method:	Direct Push	**Total Depth:**	5 feet bgs	**Location:**	Southwest of Cedar Street and Kettner Boulevard San Diego, California
Bit Size:	1.5-inch Diameter	**Logged By:**	Scott Lutz		
Rod Diameter	1.25-inch Diameter	**Sampled By**	Scott Lutz		
Rig Type:	Geoprobe 6600	**Reviewed By:**	Stephan Beck, P.G.		
Sampling Method:	Acetate Sleeves				

Sample Log				Borehole Log				Backfill Log
Depth (feet bgs)	Interval Driven	Laboratory Sample	Sample Name	PID Headspace (ppm)	USCS Code	Geologic Column	Lithologic Description/Interpretation	Boring Backfill Details
0							3-inch thick asphalt/concrete surface.	concrete surface seal (0 ft - 0.5 ft bgs
					SM/SC		FILL	
			SB-9-1	0.1			Gray, moist, medium dense, silty and clayey fine SAND with gravel; hydrocarbon odor.	
1								
			SB-9-2					
2								
			SB-9-3	9.1				hydrated granular bentonite (0.5 ft - 5 ft bgs)
3								
			SB-9-4		SP		Gray, moist, medium dense, fine SAND; strong hydrocarbon odor.	
4								
			SB-9-5	27.5				
5							Boring terminated at approximately 5 feet bgs.	
							Groundwater, though not encountered during drilling, may rise or fall due to seasonal variations in precipitation and/or other factors.	
6								
7								
8								
9								
10								

Notes:
bgs = below ground surface
NM = not measured
PID = photoionization detector
P.G. = Professional Geologist
ppm = parts per million

Date Start/Finish:	6/3/2012	**Northing:**	NM	**Boring ID:**	**SB-10**
Drilling Company:	Cascade Drilling, LP	**Easting:**	NM	**Client:**	County of San Diego
Driller's Name:	Raul P.	**Elevation:**	NM		
Drilling Method:	Direct Push	**Total Depth:**	5 feet bgs	**Location:**	Southwest of Cedar Street and Kettner Boulevard San Diego, California
Bit Size:	1.5-inch Diameter	**Logged By:**	Scott Lutz		
Rod Diameter	1.25-inch Diameter	**Sampled By**	Scott Lutz		
Rig Type:	Geoprobe 6600	**Reviewed By:**	Stephan Beck, P.G.		
Sampling Method:	Acetate Sleeves				

Sample Log				Borehole Log				Backfill Log
Depth (feet bgs)	Interval Driven	Laboratory Sample	Sample Name	PID Headspace (ppm)	USCS Code	Geologic Column	Lithologic Description/Interpretation	Boring Backfill Details
0							6-inch thick asphalt/concrete surface.	concrete surface seal (0 ft - 0.5 ft bgs
			SB-10-1	0.0	SM		FILL Dark brown, moist, medium dense, silty fine SAND.	
1								
			SB-10-2					
2								
			SB-10-3	0.0				hydrated granular bentonite (0.5 ft - 5 ft bgs)
3					SP		Brown, moist, medium dense, fine SAND.	
			SB-10-4					
4								
			SB-10-5	0.0				
5							Boring terminated at approximately 5 feet bgs. Groundwater, though not encountered during drilling, may rise or fall due to seasonal variations in precipitation and/or other factors.	
6								
7								
8								
9								
10								

Notes:
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NM = not measured
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P.G. = Professional Geologist
ppm = parts per million

Date Start/Finish:	6/3/2012	**Northing:**	NM	**Boring ID:**	**SB-11**
Drilling Company:	Cascade Drilling, LP	**Easting:**	NM	**Client:**	County of San Diego
Driller's Name:	Raul P.	**Elevation:**	NM		
Drilling Method:	Direct Push	**Total Depth:**	5 feet bgs	**Location:**	Southwest of Cedar Street and Kettner Boulevard San Diego, California
Bit Size:	1.5-inch Diameter	**Logged By:**	Scott Lutz		
Rod Diameter	1.25-inch Diameter	**Sampled By**	Scott Lutz		
Rig Type:	Geoprobe 6600	**Reviewed By:**	Stephan Beck, P.G.		
Sampling Method:	Acetate Sleeves				

Sample Log				Borehole Log				Backfill Log
Depth (feet bgs)	Interval Driven	Laboratory Sample	Sample Name	PID Headspace (ppm)	USCS Code	Geologic Column	Lithologic Description/Interpretation	Boring Backfill Details
0					SM		2-inch thick asphalt/concrete surface.	concrete surface seal (0 ft - 0.5 ft bgs
							FILL	
			SB-11-1	0.0			Brown, moist, medium dense, silty fine SAND; little gravel.	
1								
			SB-11-2					
2								
			SB-11-3	0.0				hydrated granular bentonite (0.5 ft - 5 ft bgs)
3							less silt	
			SB-11-4					
4					SP		Yellowish brown, moist, dense, fine SAND.	
			SB-11-5	0.0				
5							Boring terminated at approximately 5 feet bgs.	
							Groundwater, though not encountered during drilling, may rise or fall due to seasonal variations in precipitation and/or other factors.	
6								
7								
8								
9								
10								

Notes:
bgs = below ground surface
NM = not measured
PID = photoionization detector
P.G. = Professional Geologist
ppm = parts per million

Date Start/Finish:	6/3/2012	**Northing:**	NM	**Boring ID:**	**SB-12**
Drilling Company:	Cascade Drilling, LP	**Easting:**	NM	**Client:**	County of San Diego
Driller's Name:	Raul P.	**Elevation:**	NM		
Drilling Method:	Direct Push	**Total Depth:**	5 feet bgs	**Location:**	Southwest of Cedar Street and Kettner Boulevard San Diego, California
Bit Size:	1.5-inch Diameter	**Logged By:**	Scott Lutz		
Rod Diameter	1.25-inch Diameter	**Sampled By**	Scott Lutz		
Rig Type:	Geoprobe 6600	**Reviewed By:**	Stephan Beck, P.G.		
Sampling Method:	Acetate Sleeves				

Sample Log				Borehole Log				Backfill Log
Depth (feet bgs)	Interval Driven	Laboratory Sample	Sample Name	PID Headspace (ppm)	USCS Code	Geologic Column	Lithologic Description/Interpretation	Boring Backfill Details
0							4-inch thick concrete surface, no base.	concrete surface seal (0 ft - 0.5 ft bgs
					SP		FILL	
			SB-12-1	0.0			Yellowish brown, moist, medium dense, fine SAND; trace silt.	
1								
			SB-12-2					
2								
			SB-12-3	0.0				hydrated granular bentonite (0.5 ft - 5 ft bgs)
3								
			SB-12-4					
4								
			SB-12-5	0.0				
5							Boring terminated at approximately 5 feet bgs.	
							Groundwater, though not encountered during drilling, may rise or fall due to seasonal variations in precipitation and/or other factors.	
6								
7								
8								
9								
10								

Notes:
bgs = below ground surface
NM = not measured
PID = photoionization detector
P.G. = Professional Geologist
ppm = parts per million

Date Start/Finish:	6/3/2012	**Northing:**	NM	**Boring ID:**	**SB-13**
Drilling Company:	Cascade Drilling, LP	**Easting:**	NM	**Client:**	County of San Diego
Driller's Name:	Raul P.	**Elevation:**	NM		
Drilling Method:	Direct Push	**Total Depth:**	5 feet bgs	**Location:**	Southwest of Cedar Street and Kettner Boulevard San Diego, California
Bit Size:	1.5-inch Diameter	**Logged By:**	Scott Lutz		
Rod Diameter	1.25-inch Diameter	**Sampled By**	Scott Lutz		
Rig Type:	Geoprobe 6600	**Reviewed By:**	Stephan Beck, P.G.		
Sampling Method:	Acetate Sleeves				

Sample Log				Borehole Log				Backfill Log
Depth (feet bgs)	Interval Driven	Laboratory Sample	Sample Name	PID Headspace (ppm)	USCS Code	Geologic Column	Lithologic Description/Interpretation	Boring Backfill Details
0					SM		2-inch thick asphalt/concrete surface.	concrete surface seal (0 ft - 0.5 ft bgs
			SB-13-1	0.0			FILL Yellowish brown, moist, medium dense, silty fine SAND.	
1								
			SB-13-2					
2								
			SB-13-3	0.5				hydrated granular bentonite (0.5 ft - 5 ft bgs)
3								
			SB-13-4		SP		Dark brown, moist, medium dense, fine SAND.	
4								
			SB-13-5	1.9				
5							Boring terminated at approximately 5 feet bgs. Groundwater, though not encountered during drilling, may rise or fall due to seasonal variations in precipitation and/or other factors.	
6								
7								
8								
9								
10								

Notes:
bgs = below ground surface
NM = not measured
PID = photoionization detector
P.G. = Professional Geologist
ppm = parts per million

Date Start/Finish:	6/3/2012	**Northing:**	NM	**Boring ID:**	**SB-14**
Drilling Company:	Cascade Drilling, LP	**Easting:**	NM	**Client:**	County of San Diego
Driller's Name:	Raul P.	**Elevation:**	NM		
Drilling Method:	Direct Push	**Total Depth:**	5 feet bgs	**Location:**	Southwest of Cedar Street and Kettner Boulevard San Diego, California
Bit Size:	1.5-inch Diameter	**Logged By:**	Scott Lutz		
Rod Diameter	1.25-inch Diameter	**Sampled By**	Scott Lutz		
Rig Type:	Geoprobe 6600	**Reviewed By:**	Stephan Beck, P.G.		
Sampling Method:	Acetate Sleeves				

Sample Log				Borehole Log				Backfill Log
Depth (feet bgs)	Interval Driven	Laboratory Sample	Sample Name	PID Headspace (ppm)	USCS Code	Geologic Column	Lithologic Description/Interpretation	Boring Backfill Details
0							2-inch thick asphalt/concrete surface.	concrete surface seal (0 ft - 0.5 ft bgs
					SM		FILL	
			SB-14-1	11.5			Olive brown, moist, medium dense, silty fine SAND with gravel.	
1								
			SB-14-2					
2								
			SB-14-3	27.5				hydrated granular bentonite (0.5 ft - 5 ft bgs)
3							gray, strong hydrocarbon odor	
			SB-14-4					
4								
			SB-14-5	31.9				
5							Boring terminated at approximately 5 feet bgs.	
							Groundwater, though not encountered during drilling, may rise or fall due to seasonal variations in precipitation and/or other factors.	
6								
7								
8								
9								
10								

Notes:
bgs = below ground surface
NM = not measured
PID = photoionization detector
P.G. = Professional Geologist
ppm = parts per million

Date Start/Finish:	6/3/2012	**Northing:**	NM	**Boring ID:**	**SB-15**
Drilling Company:	Cascade Drilling, LP	**Easting:**	NM	**Client:**	County of San Diego
Driller's Name:	Raul P.	**Elevation:**	NM		
Drilling Method:	Direct Push	**Total Depth:**	5 feet bgs	**Location:**	Southwest of Cedar Street and Kettner Boulevard San Diego, California
Bit Size:	1.5-inch Diameter	**Logged By:**	Scott Lutz		
Rod Diameter	1.25-inch Diameter	**Sampled By**	Scott Lutz		
Rig Type:	Geoprobe 6600	**Reviewed By:**	Stephan Beck, P.G.		
Sampling Method:	Acetate Sleeves				

Sample Log				Borehole Log				Backfill Log
Depth (feet bgs)	Interval Driven	Laboratory Sample	Sample Name	PID Headspace (ppm)	USCS Code	Geologic Column	Lithologic Description/Interpretation	Boring Backfill Details
0							2-inch thick asphalt/concrete surface.	concrete surface seal (0 ft - 0.5 ft bgs
					SP/GP		FILL	
			SB-15-1	7.5			Brown, dense, moist, fine to coarse SAND and fine GRAVEL	
1								
			SB-15-2					
2					SP		Gray, moist, dense, fine to medium SAND; trace silt, strong hydrocarbon odor.	
			SB-15-3	19.1				hydrated granular bentonite (0.5 ft - 5 ft bgs)
3								
			SB-15-4					
4								
			SB-15-5	39.5				
5							Boring terminated at approximately 5 feet bgs.	
							Groundwater, though not encountered during drilling, may rise or fall due to seasonal variations in precipitation and/or other factors.	
6								
7								
8								
9								
10								

Notes:
bgs = below ground surface
NM = not measured
PID = photoionization detector
P.G. = Professional Geologist
ppm = parts per million

Date Start/Finish:	6/3/2012	**Northing:**	NM	**Boring ID:**	**SB-16**
Drilling Company:	Cascade Drilling, LP	**Easting:**	NM	**Client:**	County of San Diego
Driller's Name:	Raul P.	**Elevation:**	NM		
Drilling Method:	Direct Push	**Total Depth:**	5 feet bgs	**Location:**	Southwest of Cedar Street and Kettner Boulevard San Diego, California
Bit Size:	1.5-inch Diameter	**Logged By:**	Scott Lutz		
Rod Diameter	1.25-inch Diameter	**Sampled By**	Scott Lutz		
Rig Type:	Geoprobe 6600	**Reviewed By:**	Stephan Beck, P.G.		
Sampling Method:	Acetate Sleeves				

Sample Log				Borehole Log				Backfill Log
Depth (feet bgs)	Interval Driven	Laboratory Sample	Sample Name	PID Headspace (ppm)	USCS Code	Geologic Column	Lithologic Description/Interpretation	Boring Backfill Details
0							3-inch thick asphalt/concrete surface.	concrete surface seal (0 ft - 0.5 ft bgs
					SM/SC		FILL	
			SB-16-1	0.9			Gray, moist, medium dense, silty and clayey fine SAND with gravel; hydrocarbon odor.	
1								
			SB-16-2					
2								
			SB-16-3	22.5				hydrated granular bentonite (0.5 ft - 5 ft bgs)
3								
			SB-16-4		SP		Gray, moist, medium dense, fine SAND; strong hydrocarbon odor.	
4								
			SB-16-5	48.1				
5							Boring terminated at approximately 5 feet bgs.	
							Groundwater, though not encountered during drilling, may rise or fall due to seasonal variations in precipitation and/or other factors.	
6								
7								
8								
9								
10								

Notes:
bgs = below ground surface
NM = not measured
PID = photoionization detector
P.G. = Professional Geologist
ppm = parts per million

Date Start/Finish:	6/3/2012	**Northing:**	NM	**Boring ID:**	**SB-17**
Drilling Company:	Cascade Drilling, LP	**Easting:**	NM	**Client:**	County of San Diego
Driller's Name:	Raul P.	**Elevation:**	NM		
Drilling Method:	Direct Push	**Total Depth:**	5 feet bgs	**Location:**	Southwest of Cedar Street and Kettner Boulevard San Diego, California
Bit Size:	1.5-inch Diameter	**Logged By:**	Scott Lutz		
Rod Diameter	1.25-inch Diameter	**Sampled By**	Scott Lutz		
Rig Type:	Geoprobe 6600	**Reviewed By:**	Stephan Beck, P.G.		
Sampling Method:	Acetate Sleeves				

Sample Log				Borehole Log				Backfill Log
Depth (feet bgs)	Interval Driven	Laboratory Sample	Sample Name	PID Headspace (ppm)	USCS Code	Geologic Column	Lithologic Description/Interpretation	Boring Backfill Details
0							3-inch thick asphalt/concrete surface.	concrete surface seal (0 ft - 0.5 ft bgs
					SM/SC		FILL	
				0.9			Gray, moist, medium dense, silty and clayey fine SAND with gravel; strong hydrocarbon odor.	
1								
2								
				16.2				hydrated granular bentonite (0.5 ft - 5 ft bgs)
3								
					SP		Gray, moist, medium dense, fine SAND; slight hydrocarbon odor.	
4								
				1.5				
5							Boring terminated at approximately 5 feet bgs.	
							Groundwater, though not encountered during drilling, may rise or fall due to seasonal variations in precipitation and/or other factors.	
6								
7								
8								
9								
10								

Notes:
bgs = below ground surface
NM = not measured
PID = photoionization detector
P.G. = Professional Geologist
ppm = parts per million

APPENDIX D

ANALYTICAL DATA AND CHAIN-OF-CUSTODY DOCUMENTATION

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-13562-1
Client Project/Site: Cedar/Kettner
Revision: 2

For:
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92123

Attn: Scott Lutz

Authorized for release by:
6/20/2012 9:29:31 AM

Philip Sanelle
Project Manager I
philip.sanelle@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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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Sample Summary

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-13562-1	SB-1-2	Solid	06/03/12 08:20	06/04/12 17:30
440-13562-2	SB-1-3	Solid	06/03/12 08:20	06/04/12 17:30
440-13562-5	SB-2-1	Solid	06/03/12 08:40	06/04/12 17:30
440-13562-6	SB-2-2	Solid	06/03/12 08:40	06/04/12 17:30
440-13562-7	SB-2-3	Solid	06/03/12 08:40	06/04/12 17:30
440-13562-10	SB-3-1	Solid	06/03/12 08:50	06/04/12 17:30
440-13562-11	SB-3-2	Solid	06/03/12 08:50	06/04/12 17:30
440-13562-12	SB-3-3	Solid	06/03/12 08:50	06/04/12 17:30
440-13562-15	SB-4-1	Solid	06/03/12 09:00	06/04/12 17:30
440-13562-16	SB-4-2	Solid	06/03/12 09:00	06/04/12 17:30
440-13562-17	SB-4-3	Solid	06/03/12 09:00	06/04/12 17:30
440-13562-20	SB-5-1	Solid	06/03/12 09:13	06/04/12 17:30
440-13562-21	SB-5-2	Solid	06/03/12 09:13	06/04/12 17:30
440-13562-22	SB-5-3	Solid	06/03/12 09:13	06/04/12 17:30
440-13562-25	SB-6-1	Solid	06/03/12 09:25	06/04/12 17:30
440-13562-26	SB-6-2	Solid	06/03/12 09:25	06/04/12 17:30
440-13562-27	SB-6-3	Solid	06/03/12 09:25	06/04/12 17:30
440-13562-30	SB-7-1	Solid	06/03/12 09:40	06/04/12 17:30
440-13562-31	SB-7-2	Solid	06/03/12 09:40	06/04/12 17:30
440-13562-32	SB-7-3	Solid	06/03/12 09:40	06/04/12 17:30
440-13562-35	SB-8-1	Solid	06/03/12 09:50	06/04/12 17:30
440-13562-36	SB-8-2	Solid	06/03/12 09:50	06/04/12 17:30
440-13562-37	SB-8-3	Solid	06/03/12 09:50	06/04/12 17:30
440-13562-40	SB-9-1	Solid	06/03/12 10:00	06/04/12 17:30
440-13562-41	SB-9-2	Solid	06/03/12 10:00	06/04/12 17:30
440-13562-42	SB-9-3	Solid	06/03/12 10:00	06/04/12 17:30
440-13562-44	SB-9-5	Solid	06/03/12 10:15	06/04/12 17:30
440-13562-45	SB-10-1	Solid	06/03/12 10:15	06/04/12 17:30
440-13562-46	SB-10-2	Solid	06/03/12 10:15	06/04/12 17:30
440-13562-47	SB-10-3	Solid	06/03/12 10:15	06/04/12 17:30
440-13562-50	SB-11-1	Solid	06/03/12 10:40	06/04/12 17:30
440-13562-51	SB-11-2	Solid	06/03/12 10:40	06/04/12 17:30
440-13562-52	SB-11-3	Solid	06/03/12 10:40	06/04/12 17:30
440-13562-55	SB-12-1	Solid	06/03/12 10:50	06/04/12 17:30
440-13562-56	SB-12-2	Solid	06/03/12 10:50	06/04/12 17:30
440-13562-57	SB-12-3	Solid	06/03/12 10:50	06/04/12 17:30
440-13562-60	SB-13-1	Solid	06/03/12 11:12	06/04/12 17:30
440-13562-61	SB-13-2	Solid	06/03/12 11:12	06/04/12 17:30
440-13562-62	SB-13-3	Solid	06/03/12 11:12	06/04/12 17:30
440-13562-65	SB-14-1	Solid	06/03/12 11:20	06/04/12 17:30
440-13562-66	SB-14-2	Solid	06/03/12 11:20	06/04/12 17:30
440-13562-67	SB-14-3	Solid	06/03/12 11:20	06/04/12 17:30
440-13562-69	SB-14-5	Solid	06/03/12 11:20	06/04/12 17:30
440-13562-70	SB-15-1	Solid	06/03/12 11:30	06/04/12 17:30
440-13562-71	SB-15-2	Solid	06/03/12 11:30	06/04/12 17:30
440-13562-72	SB-15-3	Solid	06/03/12 11:30	06/04/12 17:30
440-13562-74	SB-15-5	Solid	06/03/12 11:55	06/04/12 17:30
440-13562-75	SB-16-1	Solid	06/03/12 11:55	06/04/12 17:30
440-13562-76	SB-16-2	Solid	06/03/12 11:55	06/04/12 17:30
440-13562-77	SB-16-3	Solid	06/03/12 11:55	06/04/12 17:30
440-13562-79	SB-16-5	Solid	06/03/12 11:55	06/04/12 17:30

Job ID: 440-13562-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-13562-1

Comments
Additional analysis added to the original report (REV 1).

Revised report to correct the dilution factor for the STLC metals.

Receipt
The samples were received on 6/4/2012 5:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 10.1º C.

GC/MS VOA
Method(s) 8260B: The following sample(s) was diluted due to the nature of the sample matrix: SB-14-3 (440-13562-67). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: Internal standard responses were outside of acceptance limits for the following sample(s): (440-13378-3 MS). The sample(s) shows evidence of matrix interference with work order.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 31174 were outside control limits: (440-13378-3 MSD). Matrix interference is suspected.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 31174 were outside control limits: (440-13378-3 MS). Matrix interference is suspected.

Method(s) 8260B: The continuing calibration verification (CCV) for Acetone associated with batch 31263 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other analytical or quality issues were noted.

GC VOA
Method(s) 8015B: Surrogate recovery for the following sample(s) was outside control limits: SB-14-3 (440-13562-67), SB-15-3 (440-13562-72). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8015B: Surrogate recovery for the following sample(s) was outside control limits: SB-14-5 (440-13562-69), SB-15-5 (440-13562-74), SB-9-5 (440-13562-44). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 30987 was outside control limits. Non-homogeneity of the sample matrix is suspected.

Method(s) 8015B: Due to the level of dilution required for the following sample(s), surrogate recoveries do not provide useful information: SB-14-3 (440-13562-67), SB-14-5 (440-13562-69), SB-15-3 (440-13562-72), SB-15-5 (440-13562-74), SB-16-1 (440-13562-75), SB-16-5 (440-13562-79), SB-9-1 (440-13562-40), SB-9-5 (440-13562-44).

Method(s) 8015B: The matrix spike duplicate (MSD) recovery for batch 30987 was outside control limits due to sample matrix effects. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Metals
Method(s) 6010B: The Serial Dilution (440-13562-21 SD) in batch 480-67697, exhibited results outside the quality control limits for total

Job ID: 440-13562-1 (Continued)

Laboratory: TestAmerica Irvine (Continued)

barium and cobalt. However, the Post Digestion Spike was compliant so no corrective action was necessary

Method(s) 6010B: The Matrix Spike(MS) recoveries for total barium and antimony in batch 480-67698 were outside control limits. Non-homogeneity of the sample matrix is suspected The associated Laboratory Control Sample (LCS) met acceptance criteria, therefore no corrective action was necessary.

Method(s) 6010B: The Matrix Spike/ Matrix Spike Duplicate ((440-13562-5 MS), (440-13562-5 MSD)) recoveries for total zinc in batch 480-67900 were outside control limits. The Matrix Spike Duplicate recovery for total barium was also outside control limits. Non-homogeneity of the sample matrix is suspected. The associated Laboratory Control Sample (LCSSRM) recovery met acceptance criteria, therefore no corrective action was necessary.

Method(s) 6010B: The Matrix Spike / Matrix Spike Duplicate ((440-13562-5 MS), (440-13562-5 MSD)) precision for batch 480-67900 was outside control limits for total barium. Non-homogeneity of the sample matrix is suspected. The associated Laboratory Control Sample (LCSSRM) met acceptance criteria. No corrective action is necessary.

Method(s) 6010B: The Matrix Spike/ Matrix Spike Duplicate ((440-13562-61 MS), (440-13562-61 MSD)) recoveries for total lead in batch 480-67893 were outside control limits. The Martix Spike recovery for total barium was also outside control limits. Non-homogeneity of the sample matrix is suspected. The associated Laboratory Control Sample (LCSSRM) recovery met acceptance criteria, therefore no corrective action was necessary.

Method(s) 6010B: The Matrix Spike / Matrix Spike duplicate ((440-13562-61 MS), (440-13562-61 MSD)) precision for batch 480-67893 was outside control limits for total barium and lead. Non-homogeneity of the sample matrix is suspected. The associated Laboratory Control Sample (LCSSRM) met acceptance criteria. No corrective action is necessary.

No other analytical or quality issues were noted.

Organic Prep
Method(s) 1311: Insufficient sample was provided to perform the leaching procedure with the required 100g for the following samples: SB-13-2 (440-13562-61), SB-6-1 (440-13562-25). The volume of leaching fluid was adjusted proportionally to maintain a 20:1 ratio of leaching fluid to weight of sample. Reporting limits (RLs) are not affected.

Method(s) CA LUFT: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: SB-14-3 (440-13562-67), SB-9-1 (440-13562-40). The reporting limits (RLs) are elevated proportionately.

Method(s) CA LUFT: The following sample(s) was diluted due to the nature of the sample matrix: SB-14-3 (440-13562-67), SB-14-5 (440-13562-69), SB-9-5 (440-13562-44). Elevated reporting limits (RLs) are provided.

Method(s) CA LUFT: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: SB-15-3 (440-13562-72). The reporting limits (RLs) are elevated proportionately.

No other analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-1-2

Lab Sample ID: 440-13562-1

Date Collected: 06/03/12 08:20
Date Received: 06/04/12 17:30

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16		mg/Kg		06/11/12 12:00	06/11/12 18:17	1
Arsenic	**2.2**		2.1		mg/Kg		06/11/12 12:00	06/11/12 18:17	1
Barium	**42**		0.53		mg/Kg		06/11/12 12:00	06/11/12 18:17	1
Beryllium	ND		0.21		mg/Kg		06/11/12 12:00	06/11/12 18:17	1
Cadmium	ND		0.21		mg/Kg		06/11/12 12:00	06/11/12 18:17	1
Chromium	**8.2**		0.53		mg/Kg		06/11/12 12:00	06/11/12 18:17	1
Cobalt	**2.6**		0.53		mg/Kg		06/11/12 12:00	06/11/12 18:17	1
Copper	**7.5**		1.1		mg/Kg		06/11/12 12:00	06/11/12 18:17	1
Lead	**7.9**		1.1		mg/Kg		06/11/12 12:00	06/11/12 18:17	1
Molybdenum	ND		1.1		mg/Kg		06/11/12 12:00	06/11/12 18:17	1
Nickel	ND		5.3		mg/Kg		06/11/12 12:00	06/11/12 18:17	1
Selenium	ND		4.2		mg/Kg		06/11/12 12:00	06/11/12 18:17	1
Silver	ND		0.53		mg/Kg		06/11/12 12:00	06/11/12 18:17	1
Thallium	ND		6.4		mg/Kg		06/11/12 12:00	06/11/12 18:17	1
Vanadium	**16**		0.53		mg/Kg		06/11/12 12:00	06/11/12 18:17	1
Zinc	**26**		2.1		mg/Kg		06/11/12 12:00	06/11/12 18:17	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.019		mg/Kg		06/11/12 11:20	06/11/12 13:49	1

Client Sample ID: SB-1-3

Lab Sample ID: 440-13562-2

Date Collected: 06/03/12 08:20
Date Received: 06/04/12 17:30

Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		14		mg/Kg		06/11/12 12:00	06/11/12 18:20	1
Arsenic	ND		1.9		mg/Kg		06/11/12 12:00	06/11/12 18:20	1
Barium	**31**		0.46		mg/Kg		06/11/12 12:00	06/11/12 18:20	1
Beryllium	ND		0.19		mg/Kg		06/11/12 12:00	06/11/12 18:20	1
Cadmium	ND		0.19		mg/Kg		06/11/12 12:00	06/11/12 18:20	1
Chromium	**9.9**		0.46		mg/Kg		06/11/12 12:00	06/11/12 18:20	1
Cobalt	**2.7**		0.46		mg/Kg		06/11/12 12:00	06/11/12 18:20	1
Copper	**5.0**		0.93		mg/Kg		06/11/12 12:00	06/11/12 18:20	1
Lead	**2.7**		0.93		mg/Kg		06/11/12 12:00	06/11/12 18:20	1
Molybdenum	ND		0.93		mg/Kg		06/11/12 12:00	06/11/12 18:20	1
Nickel	ND		4.6		mg/Kg		06/11/12 12:00	06/11/12 18:20	1
Selenium	ND		3.7		mg/Kg		06/11/12 12:00	06/11/12 18:20	1
Silver	ND		0.46		mg/Kg		06/11/12 12:00	06/11/12 18:20	1
Thallium	ND		5.6		mg/Kg		06/11/12 12:00	06/11/12 18:20	1
Vanadium	**21**		0.46		mg/Kg		06/11/12 12:00	06/11/12 18:20	1
Zinc	**14**		1.9		mg/Kg		06/11/12 12:00	06/11/12 18:20	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.018		mg/Kg		06/11/12 11:20	06/11/12 13:51	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-2-1

Lab Sample ID: 440-13562-5

Date Collected: 06/03/12 08:40
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16		mg/Kg		06/11/12 12:00	06/11/12 18:27	1
Arsenic	**2.6**		2.1		mg/Kg		06/11/12 12:00	06/11/12 18:27	1
Barium	**49**		0.53		mg/Kg		06/11/12 12:00	06/11/12 18:27	1
Beryllium	ND		0.21		mg/Kg		06/11/12 12:00	06/11/12 18:27	1
Cadmium	**1.6**		0.21		mg/Kg		06/11/12 12:00	06/11/12 18:27	1
Chromium	**13**		0.53		mg/Kg		06/11/12 12:00	06/11/12 18:27	1
Cobalt	**4.7**		0.53		mg/Kg		06/11/12 12:00	06/11/12 18:27	1
Copper	**8.9**		1.1		mg/Kg		06/11/12 12:00	06/11/12 18:27	1
Lead	**19**		1.1		mg/Kg		06/11/12 12:00	06/11/12 18:27	1
Molybdenum	ND		1.1		mg/Kg		06/11/12 12:00	06/11/12 18:27	1
Nickel	ND		5.3		mg/Kg		06/11/12 12:00	06/11/12 18:27	1
Selenium	ND		4.2		mg/Kg		06/11/12 12:00	06/11/12 18:27	1
Silver	ND		0.53		mg/Kg		06/11/12 12:00	06/11/12 18:27	1
Thallium	ND		6.3		mg/Kg		06/11/12 12:00	06/11/12 18:27	1
Vanadium	**32**		0.53		mg/Kg		06/11/12 12:00	06/11/12 18:27	1
Zinc	**75**		2.1		mg/Kg		06/11/12 12:00	06/11/12 18:27	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.019		mg/Kg		06/11/12 11:20	06/11/12 13:57	1

Client Sample ID: SB-2-2

Lab Sample ID: 440-13562-6

Date Collected: 06/03/12 08:40
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16		mg/Kg		06/11/12 12:00	06/11/12 18:43	1
Arsenic	ND		2.1		mg/Kg		06/11/12 12:00	06/11/12 18:43	1
Barium	**21**		0.52		mg/Kg		06/11/12 12:00	06/11/12 18:43	1
Beryllium	ND		0.21		mg/Kg		06/11/12 12:00	06/11/12 18:43	1
Cadmium	ND		0.21		mg/Kg		06/11/12 12:00	06/11/12 18:43	1
Chromium	**7.1**		0.52		mg/Kg		06/11/12 12:00	06/11/12 18:43	1
Cobalt	**2.5**		0.52		mg/Kg		06/11/12 12:00	06/11/12 18:43	1
Copper	**3.2**		1.0		mg/Kg		06/11/12 12:00	06/11/12 18:43	1
Lead	**2.4**		1.0		mg/Kg		06/11/12 12:00	06/11/12 18:43	1
Molybdenum	ND		1.0		mg/Kg		06/11/12 12:00	06/11/12 18:43	1
Nickel	ND		5.2		mg/Kg		06/11/12 12:00	06/11/12 18:43	1
Selenium	ND		4.2		mg/Kg		06/11/12 12:00	06/11/12 18:43	1
Silver	ND		0.52		mg/Kg		06/11/12 12:00	06/11/12 18:43	1
Thallium	ND		6.2		mg/Kg		06/11/12 12:00	06/11/12 18:43	1
Vanadium	**18**		0.52		mg/Kg		06/11/12 12:00	06/11/12 18:43	1
Zinc	**8.3**		2.1		mg/Kg		06/11/12 12:00	06/11/12 18:43	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.020		mg/Kg		06/11/12 11:20	06/11/12 14:02	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-2-3

Lab Sample ID: 440-13562-7

Date Collected: 06/03/12 08:40
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		14		mg/Kg		06/11/12 12:00	06/11/12 18:46	1
Arsenic	ND		1.9		mg/Kg		06/11/12 12:00	06/11/12 18:46	1
Barium	**19**		0.47		mg/Kg		06/11/12 12:00	06/11/12 18:46	1
Beryllium	ND		0.19		mg/Kg		06/11/12 12:00	06/11/12 18:46	1
Cadmium	ND		0.19		mg/Kg		06/11/12 12:00	06/11/12 18:46	1
Chromium	**8.1**		0.47		mg/Kg		06/11/12 12:00	06/11/12 18:46	1
Cobalt	**3.3**		0.47		mg/Kg		06/11/12 12:00	06/11/12 18:46	1
Copper	**3.2**		0.94		mg/Kg		06/11/12 12:00	06/11/12 18:46	1
Lead	**2.3**		0.94		mg/Kg		06/11/12 12:00	06/11/12 18:46	1
Molybdenum	ND		0.94		mg/Kg		06/11/12 12:00	06/11/12 18:46	1
Nickel	ND		4.7		mg/Kg		06/11/12 12:00	06/11/12 18:46	1
Selenium	ND		3.8		mg/Kg		06/11/12 12:00	06/11/12 18:46	1
Silver	ND		0.47		mg/Kg		06/11/12 12:00	06/11/12 18:46	1
Thallium	ND		5.7		mg/Kg		06/11/12 12:00	06/11/12 18:46	1
Vanadium	**19**		0.47		mg/Kg		06/11/12 12:00	06/11/12 18:46	1
Zinc	**9.4**		1.9		mg/Kg		06/11/12 12:00	06/11/12 18:46	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.020		mg/Kg		06/11/12 11:20	06/11/12 14:03	1

Client Sample ID: SB-3-1

Lab Sample ID: 440-13562-10

Date Collected: 06/03/12 08:50
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15		mg/Kg		06/11/12 12:00	06/11/12 18:53	1
Arsenic	ND		2.1		mg/Kg		06/11/12 12:00	06/11/12 18:53	1
Barium	**52**		0.52		mg/Kg		06/11/12 12:00	06/11/12 18:53	1
Beryllium	**0.27**		0.21		mg/Kg		06/11/12 12:00	06/11/12 18:53	1
Cadmium	ND		0.21		mg/Kg		06/11/12 12:00	06/11/12 18:53	1
Chromium	**11**		0.52		mg/Kg		06/11/12 12:00	06/11/12 18:53	1
Cobalt	**5.6**		0.52		mg/Kg		06/11/12 12:00	06/11/12 18:53	1
Copper	**6.8**		1.0		mg/Kg		06/11/12 12:00	06/11/12 18:53	1
Lead	**4.0**		1.0		mg/Kg		06/11/12 12:00	06/11/12 18:53	1
Molybdenum	ND		1.0		mg/Kg		06/11/12 12:00	06/11/12 18:53	1
Nickel	ND		5.2		mg/Kg		06/11/12 12:00	06/11/12 18:53	1
Selenium	ND		4.1		mg/Kg		06/11/12 12:00	06/11/12 18:53	1
Silver	ND		0.52		mg/Kg		06/11/12 12:00	06/11/12 18:53	1
Thallium	ND		6.2		mg/Kg		06/11/12 12:00	06/11/12 18:53	1
Vanadium	**26**		0.52		mg/Kg		06/11/12 12:00	06/11/12 18:53	1
Zinc	**17**		2.1		mg/Kg		06/11/12 12:00	06/11/12 18:53	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.018		mg/Kg		06/11/12 11:20	06/11/12 14:07	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-3-2

Lab Sample ID: 440-13562-11

Date Collected: 06/03/12 08:50
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16		mg/Kg		06/11/12 12:00	06/11/12 18:55	1
Arsenic	**2.3**		2.2		mg/Kg		06/11/12 12:00	06/11/12 18:55	1
Barium	**32**		0.54		mg/Kg		06/11/12 12:00	06/11/12 18:55	1
Beryllium	**0.27**		0.22		mg/Kg		06/11/12 12:00	06/11/12 18:55	1
Cadmium	ND		0.22		mg/Kg		06/11/12 12:00	06/11/12 18:55	1
Chromium	**11**		0.54		mg/Kg		06/11/12 12:00	06/11/12 18:55	1
Cobalt	**5.2**		0.54		mg/Kg		06/11/12 12:00	06/11/12 18:55	1
Copper	**4.7**		1.1		mg/Kg		06/11/12 12:00	06/11/12 18:55	1
Lead	**4.1**		1.1		mg/Kg		06/11/12 12:00	06/11/12 18:55	1
Molybdenum	ND		1.1		mg/Kg		06/11/12 12:00	06/11/12 18:55	1
Nickel	ND		5.4		mg/Kg		06/11/12 12:00	06/11/12 18:55	1
Selenium	ND		4.3		mg/Kg		06/11/12 12:00	06/11/12 18:55	1
Silver	ND		0.54		mg/Kg		06/11/12 12:00	06/11/12 18:55	1
Thallium	ND		6.5		mg/Kg		06/11/12 12:00	06/11/12 18:55	1
Vanadium	**29**		0.54		mg/Kg		06/11/12 12:00	06/11/12 18:55	1
Zinc	**12**		2.2		mg/Kg		06/11/12 12:00	06/11/12 18:55	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.020		mg/Kg		06/11/12 11:20	06/11/12 14:11	1

Client Sample ID: SB-3-3

Lab Sample ID: 440-13562-12

Date Collected: 06/03/12 08:50
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15		mg/Kg		06/11/12 12:00	06/11/12 18:57	1
Arsenic	**2.4**		2.0		mg/Kg		06/11/12 12:00	06/11/12 18:57	1
Barium	**36**		0.51		mg/Kg		06/11/12 12:00	06/11/12 18:57	1
Beryllium	**0.28**		0.20		mg/Kg		06/11/12 12:00	06/11/12 18:57	1
Cadmium	ND		0.20		mg/Kg		06/11/12 12:00	06/11/12 18:57	1
Chromium	**11**		0.51		mg/Kg		06/11/12 12:00	06/11/12 18:57	1
Cobalt	**6.2**		0.51		mg/Kg		06/11/12 12:00	06/11/12 18:57	1
Copper	**4.4**		1.0		mg/Kg		06/11/12 12:00	06/11/12 18:57	1
Lead	**4.3**		1.0		mg/Kg		06/11/12 12:00	06/11/12 18:57	1
Molybdenum	ND		1.0		mg/Kg		06/11/12 12:00	06/11/12 18:57	1
Nickel	ND		5.1		mg/Kg		06/11/12 12:00	06/11/12 18:57	1
Selenium	ND		4.1		mg/Kg		06/11/12 12:00	06/11/12 18:57	1
Silver	ND		0.51		mg/Kg		06/11/12 12:00	06/11/12 18:57	1
Thallium	ND		6.1		mg/Kg		06/11/12 12:00	06/11/12 18:57	1
Vanadium	**29**		0.51		mg/Kg		06/11/12 12:00	06/11/12 18:57	1
Zinc	**12**		2.0		mg/Kg		06/11/12 12:00	06/11/12 18:57	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.018		mg/Kg		06/11/12 11:20	06/11/12 14:12	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-4-1

Lab Sample ID: 440-13562-15

Date Collected: 06/03/12 09:00
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		14		mg/Kg		06/11/12 12:00	06/11/12 19:09	1
Arsenic	**7.6**		1.9		mg/Kg		06/11/12 12:00	06/11/12 19:09	1
Barium	**170**		0.48		mg/Kg		06/11/12 12:00	06/11/12 19:09	1
Beryllium	**0.29**		0.19		mg/Kg		06/11/12 12:00	06/11/12 19:09	1
Cadmium	ND		0.19		mg/Kg		06/11/12 12:00	06/11/12 19:09	1
Chromium	**3.1**		0.48		mg/Kg		06/11/12 12:00	06/11/12 19:09	1
Cobalt	**1.8**		0.48		mg/Kg		06/11/12 12:00	06/11/12 19:09	1
Copper	**3.8**		0.95		mg/Kg		06/11/12 12:00	06/11/12 19:09	1
Lead	**4.7**		0.95		mg/Kg		06/11/12 12:00	06/11/12 19:09	1
Molybdenum	ND		0.95		mg/Kg		06/11/12 12:00	06/11/12 19:09	1
Nickel	ND		4.8		mg/Kg		06/11/12 12:00	06/11/12 19:09	1
Selenium	ND		3.8		mg/Kg		06/11/12 12:00	06/11/12 19:09	1
Silver	ND		0.48		mg/Kg		06/11/12 12:00	06/11/12 19:09	1
Thallium	ND		5.7		mg/Kg		06/11/12 12:00	06/11/12 19:09	1
Vanadium	**7.8**		0.48		mg/Kg		06/11/12 12:00	06/11/12 19:09	1
Zinc	**21**		1.9		mg/Kg		06/11/12 12:00	06/11/12 19:09	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.019		mg/Kg		06/11/12 11:20	06/11/12 14:16	1

Client Sample ID: SB-4-2

Lab Sample ID: 440-13562-16

Date Collected: 06/03/12 09:00
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15		mg/Kg		06/11/12 12:00	06/11/12 19:11	1
Arsenic	**8.5**		1.9		mg/Kg		06/11/12 12:00	06/11/12 19:11	1
Barium	**120**		0.49		mg/Kg		06/11/12 12:00	06/11/12 19:11	1
Beryllium	**0.29**		0.19		mg/Kg		06/11/12 12:00	06/11/12 19:11	1
Cadmium	ND		0.19		mg/Kg		06/11/12 12:00	06/11/12 19:11	1
Chromium	**4.0**		0.49		mg/Kg		06/11/12 12:00	06/11/12 19:11	1
Cobalt	**1.7**		0.49		mg/Kg		06/11/12 12:00	06/11/12 19:11	1
Copper	**3.8**		0.97		mg/Kg		06/11/12 12:00	06/11/12 19:11	1
Lead	**4.8**		0.97		mg/Kg		06/11/12 12:00	06/11/12 19:11	1
Molybdenum	**1.2**		0.97		mg/Kg		06/11/12 12:00	06/11/12 19:11	1
Nickel	ND		4.9		mg/Kg		06/11/12 12:00	06/11/12 19:11	1
Selenium	ND		3.9		mg/Kg		06/11/12 12:00	06/11/12 19:11	1
Silver	ND		0.49		mg/Kg		06/11/12 12:00	06/11/12 19:11	1
Thallium	ND		5.8		mg/Kg		06/11/12 12:00	06/11/12 19:11	1
Vanadium	**7.5**		0.49		mg/Kg		06/11/12 12:00	06/11/12 19:11	1
Zinc	**19**		1.9		mg/Kg		06/11/12 12:00	06/11/12 19:11	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.018		mg/Kg		06/11/12 11:20	06/11/12 14:17	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-4-3

Lab Sample ID: 440-13562-17

Date Collected: 06/03/12 09:00
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16		mg/Kg		06/11/12 12:00	06/11/12 19:13	1
Arsenic	**7.7**		2.2		mg/Kg		06/11/12 12:00	06/11/12 19:13	1
Barium	**160**		0.54		mg/Kg		06/11/12 12:00	06/11/12 19:13	1
Beryllium	**0.31**		0.22		mg/Kg		06/11/12 12:00	06/11/12 19:13	1
Cadmium	ND		0.22		mg/Kg		06/11/12 12:00	06/11/12 19:13	1
Chromium	**2.1**		0.54		mg/Kg		06/11/12 12:00	06/11/12 19:13	1
Cobalt	**2.3**		0.54		mg/Kg		06/11/12 12:00	06/11/12 19:13	1
Copper	**3.8**		1.1		mg/Kg		06/11/12 12:00	06/11/12 19:13	1
Lead	**5.2**		1.1		mg/Kg		06/11/12 12:00	06/11/12 19:13	1
Molybdenum	ND		1.1		mg/Kg		06/11/12 12:00	06/11/12 19:13	1
Nickel	ND		5.4		mg/Kg		06/11/12 12:00	06/11/12 19:13	1
Selenium	ND		4.3		mg/Kg		06/11/12 12:00	06/11/12 19:13	1
Silver	ND		0.54		mg/Kg		06/11/12 12:00	06/11/12 19:13	1
Thallium	ND		6.5		mg/Kg		06/11/12 12:00	06/11/12 19:13	1
Vanadium	**7.3**		0.54		mg/Kg		06/11/12 12:00	06/11/12 19:13	1
Zinc	**31**		2.2		mg/Kg		06/11/12 12:00	06/11/12 19:13	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.019		mg/Kg		06/11/12 11:20	06/11/12 14:19	1

Client Sample ID: SB-5-1

Lab Sample ID: 440-13562-20

Date Collected: 06/03/12 09:13
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		14		mg/Kg		06/08/12 15:30	06/11/12 09:53	1
Arsenic	**2.6**		1.9		mg/Kg		06/08/12 15:30	06/11/12 09:53	1
Barium	**41**		0.48		mg/Kg		06/08/12 15:30	06/11/12 09:53	1
Beryllium	ND		0.19		mg/Kg		06/08/12 15:30	06/11/12 09:53	1
Cadmium	ND		0.19		mg/Kg		06/08/12 15:30	06/11/12 09:53	1
Chromium	**8.7**		0.48		mg/Kg		06/08/12 15:30	06/11/12 09:53	1
Cobalt	**2.7**		0.48		mg/Kg		06/08/12 15:30	06/11/12 09:53	1
Copper	**9.3**		0.95		mg/Kg		06/08/12 15:30	06/11/12 09:53	1
Lead	**22**		0.95		mg/Kg		06/08/12 15:30	06/11/12 09:53	1
Molybdenum	ND		0.95		mg/Kg		06/08/12 15:30	06/11/12 09:53	1
Nickel	ND		4.8		mg/Kg		06/08/12 15:30	06/11/12 09:53	1
Selenium	ND		3.8		mg/Kg		06/08/12 15:30	06/11/12 09:53	1
Silver	ND		0.48		mg/Kg		06/08/12 15:30	06/11/12 09:53	1
Thallium	ND		5.7		mg/Kg		06/08/12 15:30	06/11/12 09:53	1
Vanadium	**20**		0.48		mg/Kg		06/08/12 15:30	06/11/12 09:53	1
Zinc	**30**		1.9		mg/Kg		06/08/12 15:30	06/11/12 09:53	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.023**		0.019		mg/Kg		06/08/12 15:00	06/08/12 16:08	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-5-2

Lab Sample ID: 440-13562-21

Date Collected: 06/03/12 09:13
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15		mg/Kg		06/08/12 15:30	06/11/12 09:55	1
Arsenic	ND		2.0		mg/Kg		06/08/12 15:30	06/11/12 09:55	1
Barium	**22**		0.51		mg/Kg		06/08/12 15:30	06/11/12 09:55	1
Beryllium	ND		0.20		mg/Kg		06/08/12 15:30	06/11/12 09:55	1
Cadmium	ND		0.20		mg/Kg		06/08/12 15:30	06/11/12 09:55	1
Chromium	**7.7**		0.51		mg/Kg		06/08/12 15:30	06/11/12 09:55	1
Cobalt	**2.4**		0.51		mg/Kg		06/08/12 15:30	06/11/12 09:55	1
Copper	**3.3**		1.0		mg/Kg		06/08/12 15:30	06/11/12 09:55	1
Lead	**2.4**		1.0		mg/Kg		06/08/12 15:30	06/11/12 09:55	1
Molybdenum	ND		1.0		mg/Kg		06/08/12 15:30	06/11/12 09:55	1
Nickel	ND		5.1		mg/Kg		06/08/12 15:30	06/11/12 09:55	1
Selenium	ND		4.1		mg/Kg		06/08/12 15:30	06/11/12 09:55	1
Silver	ND		0.51		mg/Kg		06/08/12 15:30	06/11/12 09:55	1
Thallium	ND		6.1		mg/Kg		06/08/12 15:30	06/11/12 09:55	1
Vanadium	**18**		0.51		mg/Kg		06/08/12 15:30	06/11/12 09:55	1
Zinc	**9.1**		2.0		mg/Kg		06/08/12 15:30	06/11/12 09:55	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.020		mg/Kg		06/08/12 15:00	06/08/12 16:09	1

Client Sample ID: SB-5-3

Lab Sample ID: 440-13562-22

Date Collected: 06/03/12 09:13
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15		mg/Kg		06/08/12 15:30	06/11/12 10:11	1
Arsenic	ND		2.0		mg/Kg		06/08/12 15:30	06/11/12 10:11	1
Barium	**20**		0.50		mg/Kg		06/08/12 15:30	06/11/12 10:11	1
Beryllium	ND		0.20		mg/Kg		06/08/12 15:30	06/11/12 10:11	1
Cadmium	ND		0.20		mg/Kg		06/08/12 15:30	06/11/12 10:11	1
Chromium	**7.6**		0.50		mg/Kg		06/08/12 15:30	06/11/12 10:11	1
Cobalt	**3.2**		0.50		mg/Kg		06/08/12 15:30	06/11/12 10:11	1
Copper	**2.9**		1.0		mg/Kg		06/08/12 15:30	06/11/12 10:11	1
Lead	**2.0**		1.0		mg/Kg		06/08/12 15:30	06/11/12 10:11	1
Molybdenum	ND		1.0		mg/Kg		06/08/12 15:30	06/11/12 10:11	1
Nickel	ND		5.0		mg/Kg		06/08/12 15:30	06/11/12 10:11	1
Selenium	ND		4.0		mg/Kg		06/08/12 15:30	06/11/12 10:11	1
Silver	ND		0.50		mg/Kg		06/08/12 15:30	06/11/12 10:11	1
Thallium	ND		6.0		mg/Kg		06/08/12 15:30	06/11/12 10:11	1
Vanadium	**18**		0.50		mg/Kg		06/08/12 15:30	06/11/12 10:11	1
Zinc	**8.3**		2.0		mg/Kg		06/08/12 15:30	06/11/12 10:11	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.020		mg/Kg		06/08/12 15:00	06/08/12 16:14	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-6-1

Lab Sample ID: 440-13562-25

Date Collected: 06/03/12 09:25
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16		mg/Kg		06/08/12 15:30	06/11/12 10:18	1
Arsenic	**3.7**		2.1		mg/Kg		06/08/12 15:30	06/11/12 10:18	1
Barium	**250**		0.53		mg/Kg		06/08/12 15:30	06/11/12 10:18	1
Beryllium	ND		0.21		mg/Kg		06/08/12 15:30	06/11/12 10:18	1
Cadmium	**2.7**		0.21		mg/Kg		06/08/12 15:30	06/11/12 10:18	1
Chromium	**14**		0.53		mg/Kg		06/08/12 15:30	06/11/12 10:18	1
Cobalt	**2.9**		0.53		mg/Kg		06/08/12 15:30	06/11/12 10:18	1
Copper	**54**		1.1		mg/Kg		06/08/12 15:30	06/11/12 10:18	1
Lead	**480**		1.1		mg/Kg		06/08/12 15:30	06/11/12 10:18	1
Molybdenum	ND		1.1		mg/Kg		06/08/12 15:30	06/11/12 10:18	1
Nickel	**6.6**		5.3		mg/Kg		06/08/12 15:30	06/11/12 10:18	1
Selenium	ND		4.3		mg/Kg		06/08/12 15:30	06/11/12 10:18	1
Silver	ND		0.53		mg/Kg		06/08/12 15:30	06/11/12 10:18	1
Thallium	ND		6.4		mg/Kg		06/08/12 15:30	06/11/12 10:18	1
Vanadium	**21**		0.53		mg/Kg		06/08/12 15:30	06/11/12 10:18	1
Zinc	**330**		2.1		mg/Kg		06/08/12 15:30	06/11/12 10:18	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.033**		0.0050		mg/L		06/15/12 12:00	06/16/12 01:31	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.23**		0.020		mg/Kg		06/08/12 15:00	06/08/12 16:21	1

Client Sample ID: SB-6-2

Lab Sample ID: 440-13562-26

Date Collected: 06/03/12 09:25
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15		mg/Kg		06/08/12 15:30	06/11/12 10:21	1
Arsenic	ND		2.0		mg/Kg		06/08/12 15:30	06/11/12 10:21	1
Barium	**23**		0.50		mg/Kg		06/08/12 15:30	06/11/12 10:21	1
Beryllium	ND		0.20		mg/Kg		06/08/12 15:30	06/11/12 10:21	1
Cadmium	ND		0.20		mg/Kg		06/08/12 15:30	06/11/12 10:21	1
Chromium	**8.0**		0.50		mg/Kg		06/08/12 15:30	06/11/12 10:21	1
Cobalt	**2.6**		0.50		mg/Kg		06/08/12 15:30	06/11/12 10:21	1
Copper	**3.4**		1.0		mg/Kg		06/08/12 15:30	06/11/12 10:21	1
Lead	**3.0**		1.0		mg/Kg		06/08/12 15:30	06/11/12 10:21	1
Molybdenum	ND		1.0		mg/Kg		06/08/12 15:30	06/11/12 10:21	1
Nickel	ND		5.0		mg/Kg		06/08/12 15:30	06/11/12 10:21	1
Selenium	ND		4.0		mg/Kg		06/08/12 15:30	06/11/12 10:21	1
Silver	ND		0.50		mg/Kg		06/08/12 15:30	06/11/12 10:21	1
Thallium	ND		6.0		mg/Kg		06/08/12 15:30	06/11/12 10:21	1
Vanadium	**17**		0.50		mg/Kg		06/08/12 15:30	06/11/12 10:21	1
Zinc	**10**		2.0		mg/Kg		06/08/12 15:30	06/11/12 10:21	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.020		mg/Kg		06/08/12 15:00	06/08/12 16:22	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-6-3

Lab Sample ID: 440-13562-27

Date Collected: 06/03/12 09:25
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15		mg/Kg		06/08/12 15:30	06/11/12 10:23	1
Arsenic	ND		2.0		mg/Kg		06/08/12 15:30	06/11/12 10:23	1
Barium	**19**		0.51		mg/Kg		06/08/12 15:30	06/11/12 10:23	1
Beryllium	ND		0.20		mg/Kg		06/08/12 15:30	06/11/12 10:23	1
Cadmium	ND		0.20		mg/Kg		06/08/12 15:30	06/11/12 10:23	1
Chromium	**6.7**		0.51		mg/Kg		06/08/12 15:30	06/11/12 10:23	1
Cobalt	**2.1**		0.51		mg/Kg		06/08/12 15:30	06/11/12 10:23	1
Copper	**3.0**		1.0		mg/Kg		06/08/12 15:30	06/11/12 10:23	1
Lead	**2.3**		1.0		mg/Kg		06/08/12 15:30	06/11/12 10:23	1
Molybdenum	ND		1.0		mg/Kg		06/08/12 15:30	06/11/12 10:23	1
Nickel	ND		5.1		mg/Kg		06/08/12 15:30	06/11/12 10:23	1
Selenium	ND		4.1		mg/Kg		06/08/12 15:30	06/11/12 10:23	1
Silver	ND		0.51		mg/Kg		06/08/12 15:30	06/11/12 10:23	1
Thallium	ND		6.1		mg/Kg		06/08/12 15:30	06/11/12 10:23	1
Vanadium	**15**		0.51		mg/Kg		06/08/12 15:30	06/11/12 10:23	1
Zinc	**8.6**		2.0		mg/Kg		06/08/12 15:30	06/11/12 10:23	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.018		mg/Kg		06/08/12 15:00	06/08/12 16:23	1

Client Sample ID: SB-7-1

Lab Sample ID: 440-13562-30

Date Collected: 06/03/12 09:40
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16		mg/Kg		06/08/12 15:30	06/11/12 10:35	1
Arsenic	**2.9**		2.1		mg/Kg		06/08/12 15:30	06/11/12 10:35	1
Barium	**61**		0.53		mg/Kg		06/08/12 15:30	06/11/12 10:35	1
Beryllium	ND		0.21		mg/Kg		06/08/12 15:30	06/11/12 10:35	1
Cadmium	**0.28**		0.21		mg/Kg		06/08/12 15:30	06/11/12 10:35	1
Chromium	**10**		0.53		mg/Kg		06/08/12 15:30	06/11/12 10:35	1
Cobalt	**3.8**		0.53		mg/Kg		06/08/12 15:30	06/11/12 10:35	1
Copper	**22**		1.1		mg/Kg		06/08/12 15:30	06/11/12 10:35	1
Lead	**57**		1.1		mg/Kg		06/08/12 15:30	06/11/12 10:35	1
Molybdenum	ND		1.1		mg/Kg		06/08/12 15:30	06/11/12 10:35	1
Nickel	**5.3**		5.3		mg/Kg		06/08/12 15:30	06/11/12 10:35	1
Selenium	ND		4.2		mg/Kg		06/08/12 15:30	06/11/12 10:35	1
Silver	ND		0.53		mg/Kg		06/08/12 15:30	06/11/12 10:35	1
Thallium	ND		6.4		mg/Kg		06/08/12 15:30	06/11/12 10:35	1
Vanadium	**22**		0.53		mg/Kg		06/08/12 15:30	06/11/12 10:35	1
Zinc	**68**		2.1		mg/Kg		06/08/12 15:30	06/11/12 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**6.1**		0.10		mg/L			06/15/12 13:07	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.15**		0.020		mg/Kg		06/08/12 15:00	06/08/12 16:26	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-7-2

Lab Sample ID: 440-13562-31

Date Collected: 06/03/12 09:40
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15		mg/Kg		06/08/12 15:30	06/11/12 10:37	1
Arsenic	ND		2.1		mg/Kg		06/08/12 15:30	06/11/12 10:37	1
Barium	**24**		0.51		mg/Kg		06/08/12 15:30	06/11/12 10:37	1
Beryllium	ND		0.21		mg/Kg		06/08/12 15:30	06/11/12 10:37	1
Cadmium	ND		0.21		mg/Kg		06/08/12 15:30	06/11/12 10:37	1
Chromium	**8.4**		0.51		mg/Kg		06/08/12 15:30	06/11/12 10:37	1
Cobalt	**3.5**		0.51		mg/Kg		06/08/12 15:30	06/11/12 10:37	1
Copper	**3.8**		1.0		mg/Kg		06/08/12 15:30	06/11/12 10:37	1
Lead	**2.5**		1.0		mg/Kg		06/08/12 15:30	06/11/12 10:37	1
Molybdenum	ND		1.0		mg/Kg		06/08/12 15:30	06/11/12 10:37	1
Nickel	ND		5.1		mg/Kg		06/08/12 15:30	06/11/12 10:37	1
Selenium	ND		4.1		mg/Kg		06/08/12 15:30	06/11/12 10:37	1
Silver	ND		0.51		mg/Kg		06/08/12 15:30	06/11/12 10:37	1
Thallium	ND		6.2		mg/Kg		06/08/12 15:30	06/11/12 10:37	1
Vanadium	**20**		0.51		mg/Kg		06/08/12 15:30	06/11/12 10:37	1
Zinc	**10**		2.1		mg/Kg		06/08/12 15:30	06/11/12 10:37	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.019		mg/Kg		06/08/12 15:00	06/08/12 16:28	1

Client Sample ID: SB-7-3

Lab Sample ID: 440-13562-32

Date Collected: 06/03/12 09:40
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15		mg/Kg		06/08/12 15:30	06/11/12 10:40	1
Arsenic	ND		2.0		mg/Kg		06/08/12 15:30	06/11/12 10:40	1
Barium	**23**		0.50		mg/Kg		06/08/12 15:30	06/11/12 10:40	1
Beryllium	ND		0.20		mg/Kg		06/08/12 15:30	06/11/12 10:40	1
Cadmium	ND		0.20		mg/Kg		06/08/12 15:30	06/11/12 10:40	1
Chromium	**8.5**		0.50		mg/Kg		06/08/12 15:30	06/11/12 10:40	1
Cobalt	**2.5**		0.50		mg/Kg		06/08/12 15:30	06/11/12 10:40	1
Copper	**3.9**		1.0		mg/Kg		06/08/12 15:30	06/11/12 10:40	1
Lead	**2.3**		1.0		mg/Kg		06/08/12 15:30	06/11/12 10:40	1
Molybdenum	ND		1.0		mg/Kg		06/08/12 15:30	06/11/12 10:40	1
Nickel	ND		5.0		mg/Kg		06/08/12 15:30	06/11/12 10:40	1
Selenium	ND		4.0		mg/Kg		06/08/12 15:30	06/11/12 10:40	1
Silver	ND		0.50		mg/Kg		06/08/12 15:30	06/11/12 10:40	1
Thallium	ND		6.0		mg/Kg		06/08/12 15:30	06/11/12 10:40	1
Vanadium	**21**		0.50		mg/Kg		06/08/12 15:30	06/11/12 10:40	1
Zinc	**10**		2.0		mg/Kg		06/08/12 15:30	06/11/12 10:40	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.018		mg/Kg		06/08/12 15:00	06/08/12 16:30	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-8-1

Lab Sample ID: 440-13562-35

Date Collected: 06/03/12 09:50
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		17		mg/Kg		06/08/12 15:30	06/11/12 10:47	1
Arsenic	ND		2.2		mg/Kg		06/08/12 15:30	06/11/12 10:47	1
Barium	**33**		0.55		mg/Kg		06/08/12 15:30	06/11/12 10:47	1
Beryllium	ND		0.22		mg/Kg		06/08/12 15:30	06/11/12 10:47	1
Cadmium	ND		0.22		mg/Kg		06/08/12 15:30	06/11/12 10:47	1
Chromium	**8.5**		0.55		mg/Kg		06/08/12 15:30	06/11/12 10:47	1
Cobalt	**2.4**		0.55		mg/Kg		06/08/12 15:30	06/11/12 10:47	1
Copper	**5.6**		1.1		mg/Kg		06/08/12 15:30	06/11/12 10:47	1
Lead	**8.1**		1.1		mg/Kg		06/08/12 15:30	06/11/12 10:47	1
Molybdenum	ND		1.1		mg/Kg		06/08/12 15:30	06/11/12 10:47	1
Nickel	ND		5.5		mg/Kg		06/08/12 15:30	06/11/12 10:47	1
Selenium	ND		4.4		mg/Kg		06/08/12 15:30	06/11/12 10:47	1
Silver	ND		0.55		mg/Kg		06/08/12 15:30	06/11/12 10:47	1
Thallium	ND		6.6		mg/Kg		06/08/12 15:30	06/11/12 10:47	1
Vanadium	**20**		0.55		mg/Kg		06/08/12 15:30	06/11/12 10:47	1
Zinc	**62**		2.2		mg/Kg		06/08/12 15:30	06/11/12 10:47	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.019		mg/Kg		06/08/12 15:00	06/08/12 16:37	1

Client Sample ID: SB-8-2

Lab Sample ID: 440-13562-36

Date Collected: 06/03/12 09:50
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15		mg/Kg		06/08/12 15:30	06/11/12 10:49	1
Arsenic	ND		2.0		mg/Kg		06/08/12 15:30	06/11/12 10:49	1
Barium	**24**		0.50		mg/Kg		06/08/12 15:30	06/11/12 10:49	1
Beryllium	ND		0.20		mg/Kg		06/08/12 15:30	06/11/12 10:49	1
Cadmium	ND		0.20		mg/Kg		06/08/12 15:30	06/11/12 10:49	1
Chromium	**8.3**		0.50		mg/Kg		06/08/12 15:30	06/11/12 10:49	1
Cobalt	**3.0**		0.50		mg/Kg		06/08/12 15:30	06/11/12 10:49	1
Copper	**4.3**		1.0		mg/Kg		06/08/12 15:30	06/11/12 10:49	1
Lead	**2.4**		1.0		mg/Kg		06/08/12 15:30	06/11/12 10:49	1
Molybdenum	ND		1.0		mg/Kg		06/08/12 15:30	06/11/12 10:49	1
Nickel	ND		5.0		mg/Kg		06/08/12 15:30	06/11/12 10:49	1
Selenium	ND		4.0		mg/Kg		06/08/12 15:30	06/11/12 10:49	1
Silver	ND		0.50		mg/Kg		06/08/12 15:30	06/11/12 10:49	1
Thallium	ND		6.0		mg/Kg		06/08/12 15:30	06/11/12 10:49	1
Vanadium	**20**		0.50		mg/Kg		06/08/12 15:30	06/11/12 10:49	1
Zinc	**19**		2.0		mg/Kg		06/08/12 15:30	06/11/12 10:49	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.020		mg/Kg		06/08/12 15:00	06/08/12 16:39	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-8-3

Lab Sample ID: 440-13562-37

Date Collected: 06/03/12 09:50
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16		mg/Kg		06/08/12 15:30	06/11/12 10:51	1
Arsenic	ND		2.2		mg/Kg		06/08/12 15:30	06/11/12 10:51	1
Barium	**21**		0.55		mg/Kg		06/08/12 15:30	06/11/12 10:51	1
Beryllium	ND		0.22		mg/Kg		06/08/12 15:30	06/11/12 10:51	1
Cadmium	ND		0.22		mg/Kg		06/08/12 15:30	06/11/12 10:51	1
Chromium	**7.4**		0.55		mg/Kg		06/08/12 15:30	06/11/12 10:51	1
Cobalt	**2.5**		0.55		mg/Kg		06/08/12 15:30	06/11/12 10:51	1
Copper	**3.1**		1.1		mg/Kg		06/08/12 15:30	06/11/12 10:51	1
Lead	**2.3**		1.1		mg/Kg		06/08/12 15:30	06/11/12 10:51	1
Molybdenum	ND		1.1		mg/Kg		06/08/12 15:30	06/11/12 10:51	1
Nickel	ND		5.5		mg/Kg		06/08/12 15:30	06/11/12 10:51	1
Selenium	ND		4.4		mg/Kg		06/08/12 15:30	06/11/12 10:51	1
Silver	ND		0.55		mg/Kg		06/08/12 15:30	06/11/12 10:51	1
Thallium	ND		6.6		mg/Kg		06/08/12 15:30	06/11/12 10:51	1
Vanadium	**18**		0.55		mg/Kg		06/08/12 15:30	06/11/12 10:51	1
Zinc	**8.7**		2.2		mg/Kg		06/08/12 15:30	06/11/12 10:51	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.018		mg/Kg		06/08/12 15:00	06/08/12 16:40	1

Client Sample ID: SB-9-1

Lab Sample ID: 440-13562-40

Date Collected: 06/03/12 10:00
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		25		ug/Kg			06/07/12 01:33	1
1,1,1-Trichloroethane	ND		9.9		ug/Kg			06/07/12 01:33	1
1,1,2,2-Tetrachloroethane	ND		9.9		ug/Kg			06/07/12 01:33	1
1,1,2-Trichloroethane	ND		9.9		ug/Kg			06/07/12 01:33	1
1,1-Dichloroethane	ND		9.9		ug/Kg			06/07/12 01:33	1
1,1-Dichloroethene	ND		25		ug/Kg			06/07/12 01:33	1
1,1-Dichloropropene	ND		9.9		ug/Kg			06/07/12 01:33	1
1,2,3-Trichlorobenzene	ND		25		ug/Kg			06/07/12 01:33	1
1,2,4-Trimethylbenzene	ND		9.9		ug/Kg			06/07/12 01:33	1
1,2-Dibromo-3-Chloropropane	ND		25		ug/Kg			06/07/12 01:33	1
1,2-Dibromoethane (EDB)	ND		9.9		ug/Kg			06/07/12 01:33	1
1,2-Dichlorobenzene	ND		9.9		ug/Kg			06/07/12 01:33	1
1,2-Dichloroethane	ND		9.9		ug/Kg			06/07/12 01:33	1
1,2-Dichloropropane	ND		9.9		ug/Kg			06/07/12 01:33	1
1,3,5-Trimethylbenzene	ND		9.9		ug/Kg			06/07/12 01:33	1
1,3-Dichlorobenzene	ND		9.9		ug/Kg			06/07/12 01:33	1
1,3-Dichloropropane	ND		9.9		ug/Kg			06/07/12 01:33	1
1,4-Dichlorobenzene	ND		9.9		ug/Kg			06/07/12 01:33	1
2,2-Dichloropropane	ND		9.9		ug/Kg			06/07/12 01:33	1
2-Chlorotoluene	ND		25		ug/Kg			06/07/12 01:33	1
4-Chlorotoluene	ND		25		ug/Kg			06/07/12 01:33	1
p-Isopropyltoluene	ND		9.9		ug/Kg			06/07/12 01:33	1
Benzene	ND		9.9		ug/Kg			06/07/12 01:33	1
Bromobenzene	ND		25		ug/Kg			06/07/12 01:33	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-9-1

Date Collected: 06/03/12 10:00
Date Received: 06/04/12 17:30

Lab Sample ID: 440-13562-40

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		9.9		ug/Kg			06/07/12 01:33	1
Bromochloromethane	ND		25		ug/Kg			06/07/12 01:33	1
Bromoform	ND		25		ug/Kg			06/07/12 01:33	1
Bromomethane	ND		25		ug/Kg			06/07/12 01:33	1
Carbon tetrachloride	ND		25		ug/Kg			06/07/12 01:33	1
Chlorobenzene	ND		9.9		ug/Kg			06/07/12 01:33	1
Chloroethane	ND		25		ug/Kg			06/07/12 01:33	1
Chloroform	ND		9.9		ug/Kg			06/07/12 01:33	1
Chloromethane	ND		25		ug/Kg			06/07/12 01:33	1
cis-1,2-Dichloroethene	ND		9.9		ug/Kg			06/07/12 01:33	1
cis-1,3-Dichloropropene	ND		9.9		ug/Kg			06/07/12 01:33	1
Bromodichloromethane	ND		9.9		ug/Kg			06/07/12 01:33	1
Dibromomethane	ND		9.9		ug/Kg			06/07/12 01:33	1
Dichlorodifluoromethane	ND		25		ug/Kg			06/07/12 01:33	1
Ethylbenzene	ND		9.9		ug/Kg			06/07/12 01:33	1
Isopropyl Ether (DIPE)	ND		25		ug/Kg			06/07/12 01:33	1
Methyl-t-Butyl Ether (MTBE)	ND		25		ug/Kg			06/07/12 01:33	1
Tert-amyl-methyl ether (TAME)	ND		25		ug/Kg			06/07/12 01:33	1
Ethyl-t-butyl ether (ETBE)	ND		25		ug/Kg			06/07/12 01:33	1
Hexachlorobutadiene	ND		25		ug/Kg			06/07/12 01:33	1
m,p-Xylene	ND		9.9		ug/Kg			06/07/12 01:33	1
Methylene Chloride	ND		99		ug/Kg			06/07/12 01:33	1
Naphthalene	ND		25		ug/Kg			06/07/12 01:33	1
n-Butylbenzene	ND		25		ug/Kg			06/07/12 01:33	1
N-Propylbenzene	ND		9.9		ug/Kg			06/07/12 01:33	1
o-Xylene	ND		9.9		ug/Kg			06/07/12 01:33	1
sec-Butylbenzene	ND		25		ug/Kg			06/07/12 01:33	1
Styrene	ND		9.9		ug/Kg			06/07/12 01:33	1
tert-Butyl alcohol (TBA)	ND		500		ug/Kg			06/07/12 01:33	1
tert-Butylbenzene	ND		25		ug/Kg			06/07/12 01:33	1
Tetrachloroethene	ND		9.9		ug/Kg			06/07/12 01:33	1
Toluene	ND		9.9		ug/Kg			06/07/12 01:33	1
trans-1,2-Dichloroethene	ND		9.9		ug/Kg			06/07/12 01:33	1
trans-1,3-Dichloropropene	ND		9.9		ug/Kg			06/07/12 01:33	1
Trichloroethene	ND		9.9		ug/Kg			06/07/12 01:33	1
Trichlorofluoromethane	ND		25		ug/Kg			06/07/12 01:33	1
Vinyl chloride	ND		25		ug/Kg			06/07/12 01:33	1
Xylenes, Total	ND		20		ug/Kg			06/07/12 01:33	1
Acetone	ND		50		ug/Kg			06/07/12 01:33	1
2-Hexanone	ND		120		ug/Kg			06/07/12 01:33	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/Kg			06/07/12 01:33	1
2-Butanone (MEK)	ND		50		ug/Kg			06/07/12 01:33	1
Isopropylbenzene	ND		9.9		ug/Kg			06/07/12 01:33	1
1,2,3-Trichloropropane	ND		50		ug/Kg			06/07/12 01:33	1
1,2,4-Trichlorobenzene	ND		25		ug/Kg			06/07/12 01:33	1
Ethanol	ND		1500		ug/Kg			06/07/12 01:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*06/07/12 01:33*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 125*		*06/07/12 01:33*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/07/12 01:33*	*1*

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-9-1

Lab Sample ID: 440-13562-40

Date Collected: 06/03/12 10:00
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		390		ug/Kg			06/06/12 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*65 - 140*		*06/06/12 16:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	**1400**		100		mg/Kg		06/05/12 15:17	06/07/12 12:00	10
ORO (C29-C40)	**100**		100		mg/Kg		06/05/12 15:17	06/07/12 12:00	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*99*		*40 - 140*	*06/05/12 15:17*	*06/07/12 12:00*	*10*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		17		mg/Kg		06/08/12 15:30	06/11/12 11:08	1
Arsenic	**8.9**		2.2		mg/Kg		06/08/12 15:30	06/11/12 11:08	1
Barium	**73**		0.55		mg/Kg		06/08/12 15:30	06/11/12 11:08	1
Beryllium	**0.39**		0.22		mg/Kg		06/08/12 15:30	06/11/12 11:08	1
Cadmium	ND		0.22		mg/Kg		06/08/12 15:30	06/11/12 11:08	1
Chromium	**5.0**		0.55		mg/Kg		06/08/12 15:30	06/11/12 11:08	1
Cobalt	**2.9**		0.55		mg/Kg		06/08/12 15:30	06/11/12 11:08	1
Copper	**5.7**		1.1		mg/Kg		06/08/12 15:30	06/11/12 11:08	1
Lead	**7.4**		1.1		mg/Kg		06/08/12 15:30	06/11/12 11:08	1
Molybdenum	ND		1.1		mg/Kg		06/08/12 15:30	06/11/12 11:08	1
Nickel	ND		5.5		mg/Kg		06/08/12 15:30	06/11/12 11:08	1
Selenium	ND		4.4		mg/Kg		06/08/12 15:30	06/11/12 11:08	1
Silver	ND		0.55		mg/Kg		06/08/12 15:30	06/11/12 11:08	1
Thallium	ND		6.6		mg/Kg		06/08/12 15:30	06/11/12 11:08	1
Vanadium	**12**		0.55		mg/Kg		06/08/12 15:30	06/11/12 11:08	1
Zinc	**22**		2.2		mg/Kg		06/08/12 15:30	06/11/12 11:08	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.020		mg/Kg		06/08/12 15:00	06/08/12 16:47	1

Client Sample ID: SB-9-2

Lab Sample ID: 440-13562-41

Date Collected: 06/03/12 10:00
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		14		mg/Kg		06/08/12 15:30	06/11/12 11:10	1
Arsenic	**3.9**		1.9		mg/Kg		06/08/12 15:30	06/11/12 11:10	1
Barium	**45**		0.46		mg/Kg		06/08/12 15:30	06/11/12 11:10	1
Beryllium	**0.30**		0.19		mg/Kg		06/08/12 15:30	06/11/12 11:10	1
Cadmium	ND		0.19		mg/Kg		06/08/12 15:30	06/11/12 11:10	1
Chromium	**8.8**		0.46		mg/Kg		06/08/12 15:30	06/11/12 11:10	1
Cobalt	**3.4**		0.46		mg/Kg		06/08/12 15:30	06/11/12 11:10	1
Copper	**4.9**		0.93		mg/Kg		06/08/12 15:30	06/11/12 11:10	1
Lead	**8.2**		0.93		mg/Kg		06/08/12 15:30	06/11/12 11:10	1
Molybdenum	ND		0.93		mg/Kg		06/08/12 15:30	06/11/12 11:10	1

Client Sample ID: SB-9-2

Lab Sample ID: 440-13562-41

Date Collected: 06/03/12 10:00
Matrix: Solid
Date Received: 06/04/12 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND		4.6		mg/Kg		06/08/12 15:30	06/11/12 11:10	1
Selenium	ND		3.7		mg/Kg		06/08/12 15:30	06/11/12 11:10	1
Silver	ND		0.46		mg/Kg		06/08/12 15:30	06/11/12 11:10	1
Thallium	ND		5.6		mg/Kg		06/08/12 15:30	06/11/12 11:10	1
Vanadium	**22**		0.46		mg/Kg		06/08/12 15:30	06/11/12 11:10	1
Zinc	**19**		1.9		mg/Kg		06/08/12 15:30	06/11/12 11:10	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.020		mg/Kg		06/08/12 15:00	06/08/12 16:48	1

Client Sample ID: SB-9-3

Lab Sample ID: 440-13562-42

Date Collected: 06/03/12 10:00
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		14		mg/Kg		06/08/12 15:30	06/11/12 11:13	1
Arsenic	**6.0**		1.9		mg/Kg		06/08/12 15:30	06/11/12 11:13	1
Barium	**73**		0.47		mg/Kg		06/08/12 15:30	06/11/12 11:13	1
Beryllium	**0.34**		0.19		mg/Kg		06/08/12 15:30	06/11/12 11:13	1
Cadmium	ND		0.19		mg/Kg		06/08/12 15:30	06/11/12 11:13	1
Chromium	**6.2**		0.47		mg/Kg		06/08/12 15:30	06/11/12 11:13	1
Cobalt	**3.5**		0.47		mg/Kg		06/08/12 15:30	06/11/12 11:13	1
Copper	**6.4**		0.94		mg/Kg		06/08/12 15:30	06/11/12 11:13	1
Lead	**11**		0.94		mg/Kg		06/08/12 15:30	06/11/12 11:13	1
Molybdenum	ND		0.94		mg/Kg		06/08/12 15:30	06/11/12 11:13	1
Nickel	ND		4.7		mg/Kg		06/08/12 15:30	06/11/12 11:13	1
Selenium	ND		3.7		mg/Kg		06/08/12 15:30	06/11/12 11:13	1
Silver	ND		0.47		mg/Kg		06/08/12 15:30	06/11/12 11:13	1
Thallium	ND		5.6		mg/Kg		06/08/12 15:30	06/11/12 11:13	1
Vanadium	**16**		0.47		mg/Kg		06/08/12 15:30	06/11/12 11:13	1
Zinc	**31**		1.9		mg/Kg		06/08/12 15:30	06/11/12 11:13	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.020		mg/Kg		06/08/12 15:00	06/08/12 16:50	1

Client Sample ID: SB-9-5

Lab Sample ID: 440-13562-44

Date Collected: 06/03/12 10:15
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
1,1,1-Trichloroethane	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
1,1,2-Trichloroethane	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
1,1-Dichloroethane	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
1,1-Dichloroethene	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
1,1-Dichloropropene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
1,2,3-Trichlorobenzene	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-9-5
Date Collected: 06/03/12 10:15
Date Received: 06/04/12 17:30

Lab Sample ID: 440-13562-44
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**9900**		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
1,2-Dibromo-3-Chloropropane	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
1,2-Dibromoethane (EDB)	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
1,2-Dichlorobenzene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
1,2-Dichloroethane	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
1,2-Dichloropropane	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
1,3,5-Trimethylbenzene	**1500**		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
1,3-Dichlorobenzene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
1,3-Dichloropropane	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
1,4-Dichlorobenzene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
2,2-Dichloropropane	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
2-Chlorotoluene	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
4-Chlorotoluene	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
p-Isopropyltoluene	**1100**		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Benzene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Bromobenzene	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Dibromochloromethane	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Bromochloromethane	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Bromoform	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Bromomethane	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Carbon tetrachloride	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Chlorobenzene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Chloroethane	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Chloroform	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Chloromethane	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
cis-1,2-Dichloroethene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
cis-1,3-Dichloropropene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Bromodichloromethane	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Dibromomethane	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Dichlorodifluoromethane	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Ethylbenzene	**1700**		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Isopropyl Ether (DIPE)	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Methyl-t-Butyl Ether (MTBE)	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Tert-amyl-methyl ether (TAME)	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Ethyl-t-butyl ether (ETBE)	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Hexachlorobutadiene	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
m,p-Xylene	**400**		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Methylene Chloride	ND		1000		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Naphthalene	**2900**		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
n-Butylbenzene	**1500**		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
N-Propylbenzene	**1500**		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
o-Xylene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
sec-Butylbenzene	**850**		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Styrene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
tert-Butyl alcohol (TBA)	ND		5000		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
tert-Butylbenzene	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Tetrachloroethene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Toluene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
trans-1,2-Dichloroethene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
trans-1,3-Dichloropropene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Trichloroethene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100

Client Sample ID: SB-9-5

Lab Sample ID: 440-13562-44

Date Collected: 06/03/12 10:15

Matrix: Solid

Date Received: 06/04/12 17:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Vinyl chloride	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Xylenes, Total	**400**		200		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Acetone	ND		1500		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
2-Hexanone	ND		1200		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
4-Methyl-2-pentanone (MIBK)	ND		500		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
2-Butanone (MEK)	ND		1000		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Isopropylbenzene	**730**		100		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
1,2,3-Trichloropropane	ND		500		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
1,2,4-Trichlorobenzene	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:01	100
Ethanol	ND		15000		ug/Kg		06/07/12 07:47	06/07/12 13:01	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*65 - 140*	*06/07/12 07:47*	*06/07/12 13:01*	*100*
Dibromofluoromethane (Surr)	*88*		*55 - 140*	*06/07/12 07:47*	*06/07/12 13:01*	*100*
Toluene-d8 (Surr)	*96*		*60 - 140*	*06/07/12 07:47*	*06/07/12 13:01*	*100*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	**510000**		390000		ug/Kg		06/07/12 10:31	06/07/12 12:44	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*X*	*65 - 140*	*06/07/12 10:31*	*06/07/12 12:44*	*1000*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	**4700**		370		mg/Kg		06/05/12 15:17	06/07/12 12:21	25
ORO (C29-C40)	ND		370		mg/Kg		06/05/12 15:17	06/07/12 12:21	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*80*		*40 - 140*	*06/05/12 15:17*	*06/07/12 12:21*	*25*

Client Sample ID: SB-10-1

Lab Sample ID: 440-13562-45

Date Collected: 06/03/12 10:15

Matrix: Solid

Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		17		mg/Kg		06/08/12 15:30	06/11/12 11:34	1
Arsenic	ND		2.2		mg/Kg		06/08/12 15:30	06/11/12 11:34	1
Barium	**33**		0.55		mg/Kg		06/08/12 15:30	06/11/12 11:34	1
Beryllium	ND		0.22		mg/Kg		06/08/12 15:30	06/11/12 11:34	1
Cadmium	ND		0.22		mg/Kg		06/08/12 15:30	06/11/12 11:34	1
Chromium	**8.8**		0.55		mg/Kg		06/08/12 15:30	06/11/12 11:34	1
Cobalt	**2.7**		0.55		mg/Kg		06/08/12 15:30	06/11/12 11:34	1
Copper	**4.3**		1.1		mg/Kg		06/08/12 15:30	06/11/12 11:34	1
Lead	**2.1**		1.1		mg/Kg		06/08/12 15:30	06/11/12 11:34	1
Molybdenum	ND		1.1		mg/Kg		06/08/12 15:30	06/11/12 11:34	1
Nickel	ND		5.5		mg/Kg		06/08/12 15:30	06/11/12 11:34	1
Selenium	ND		4.4		mg/Kg		06/08/12 15:30	06/11/12 11:34	1
Silver	ND		0.55		mg/Kg		06/08/12 15:30	06/11/12 11:34	1
Thallium	ND		6.6		mg/Kg		06/08/12 15:30	06/11/12 11:34	1

Client Sample ID: SB-10-1

Lab Sample ID: 440-13562-45

Date Collected: 06/03/12 10:15

Matrix: Solid

Date Received: 06/04/12 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	**18**		0.55		mg/Kg		06/08/12 15:30	06/11/12 11:34	1
Zinc	**11**		2.2		mg/Kg		06/08/12 15:30	06/11/12 11:34	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.019		mg/Kg		06/08/12 15:00	06/08/12 16:59	1

Client Sample ID: SB-10-2

Lab Sample ID: 440-13562-46

Date Collected: 06/03/12 10:15

Matrix: Solid

Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16		mg/Kg		06/08/12 15:30	06/11/12 11:36	1
Arsenic	ND		2.1		mg/Kg		06/08/12 15:30	06/11/12 11:36	1
Barium	**19**		0.52		mg/Kg		06/08/12 15:30	06/11/12 11:36	1
Beryllium	ND		0.21		mg/Kg		06/08/12 15:30	06/11/12 11:36	1
Cadmium	ND		0.21		mg/Kg		06/08/12 15:30	06/11/12 11:36	1
Chromium	**7.2**		0.52		mg/Kg		06/08/12 15:30	06/11/12 11:36	1
Cobalt	**2.3**		0.52		mg/Kg		06/08/12 15:30	06/11/12 11:36	1
Copper	**3.1**		1.0		mg/Kg		06/08/12 15:30	06/11/12 11:36	1
Lead	**1.8**		1.0		mg/Kg		06/08/12 15:30	06/11/12 11:36	1
Molybdenum	ND		1.0		mg/Kg		06/08/12 15:30	06/11/12 11:36	1
Nickel	ND		5.2		mg/Kg		06/08/12 15:30	06/11/12 11:36	1
Selenium	ND		4.2		mg/Kg		06/08/12 15:30	06/11/12 11:36	1
Silver	ND		0.52		mg/Kg		06/08/12 15:30	06/11/12 11:36	1
Thallium	ND		6.3		mg/Kg		06/08/12 15:30	06/11/12 11:36	1
Vanadium	**16**		0.52		mg/Kg		06/08/12 15:30	06/11/12 11:36	1
Zinc	**8.4**		2.1		mg/Kg		06/08/12 15:30	06/11/12 11:36	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.020		mg/Kg		06/08/12 15:00	06/08/12 17:00	1

Client Sample ID: SB-10-3

Lab Sample ID: 440-13562-47

Date Collected: 06/03/12 10:15

Matrix: Solid

Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16		mg/Kg		06/08/12 15:30	06/11/12 11:38	1
Arsenic	ND		2.2		mg/Kg		06/08/12 15:30	06/11/12 11:38	1
Barium	**18**		0.55		mg/Kg		06/08/12 15:30	06/11/12 11:38	1
Beryllium	ND		0.22		mg/Kg		06/08/12 15:30	06/11/12 11:38	1
Cadmium	ND		0.22		mg/Kg		06/08/12 15:30	06/11/12 11:38	1
Chromium	**7.5**		0.55		mg/Kg		06/08/12 15:30	06/11/12 11:38	1
Cobalt	**2.4**		0.55		mg/Kg		06/08/12 15:30	06/11/12 11:38	1
Copper	**3.1**		1.1		mg/Kg		06/08/12 15:30	06/11/12 11:38	1
Lead	**1.7**		1.1		mg/Kg		06/08/12 15:30	06/11/12 11:38	1
Molybdenum	ND		1.1		mg/Kg		06/08/12 15:30	06/11/12 11:38	1
Nickel	ND		5.5		mg/Kg		06/08/12 15:30	06/11/12 11:38	1
Selenium	ND		4.4		mg/Kg		06/08/12 15:30	06/11/12 11:38	1

Client Sample ID: SB-10-3

Lab Sample ID: 440-13562-47

Date Collected: 06/03/12 10:15
Matrix: Solid
Date Received: 06/04/12 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.55		mg/Kg		06/08/12 15:30	06/11/12 11:38	1
Thallium	ND		6.5		mg/Kg		06/08/12 15:30	06/11/12 11:38	1
Vanadium	**17**		0.55		mg/Kg		06/08/12 15:30	06/11/12 11:38	1
Zinc	**8.6**		2.2		mg/Kg		06/08/12 15:30	06/11/12 11:38	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.019		mg/Kg		06/08/12 15:00	06/08/12 17:01	1

Client Sample ID: SB-11-1

Lab Sample ID: 440-13562-50

Date Collected: 06/03/12 10:40
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		14		mg/Kg		06/08/12 15:30	06/11/12 11:45	1
Arsenic	ND		1.9		mg/Kg		06/08/12 15:30	06/11/12 11:45	1
Barium	**40**		0.47		mg/Kg		06/08/12 15:30	06/11/12 11:45	1
Beryllium	ND		0.19		mg/Kg		06/08/12 15:30	06/11/12 11:45	1
Cadmium	ND		0.19		mg/Kg		06/08/12 15:30	06/11/12 11:45	1
Chromium	**9.1**		0.47		mg/Kg		06/08/12 15:30	06/11/12 11:45	1
Cobalt	**3.5**		0.47		mg/Kg		06/08/12 15:30	06/11/12 11:45	1
Copper	**4.6**		0.94		mg/Kg		06/08/12 15:30	06/11/12 11:45	1
Lead	**2.6**		0.94		mg/Kg		06/08/12 15:30	06/11/12 11:45	1
Molybdenum	ND		0.94		mg/Kg		06/08/12 15:30	06/11/12 11:45	1
Nickel	ND		4.7		mg/Kg		06/08/12 15:30	06/11/12 11:45	1
Selenium	ND		3.8		mg/Kg		06/08/12 15:30	06/11/12 11:45	1
Silver	ND		0.47		mg/Kg		06/08/12 15:30	06/11/12 11:45	1
Thallium	ND		5.7		mg/Kg		06/08/12 15:30	06/11/12 11:45	1
Vanadium	**20**		0.47		mg/Kg		06/08/12 15:30	06/11/12 11:45	1
Zinc	**14**		1.9		mg/Kg		06/08/12 15:30	06/11/12 11:45	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.018		mg/Kg		06/08/12 15:00	06/08/12 17:07	1

Client Sample ID: SB-11-2

Lab Sample ID: 440-13562-51

Date Collected: 06/03/12 10:40
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		14		mg/Kg		06/08/12 15:30	06/11/12 11:48	1
Arsenic	ND		1.9		mg/Kg		06/08/12 15:30	06/11/12 11:48	1
Barium	**22**		0.46		mg/Kg		06/08/12 15:30	06/11/12 11:48	1
Beryllium	ND		0.19		mg/Kg		06/08/12 15:30	06/11/12 11:48	1
Cadmium	ND		0.19		mg/Kg		06/08/12 15:30	06/11/12 11:48	1
Chromium	**8.2**		0.46		mg/Kg		06/08/12 15:30	06/11/12 11:48	1
Cobalt	**2.7**		0.46		mg/Kg		06/08/12 15:30	06/11/12 11:48	1
Copper	**3.7**		0.93		mg/Kg		06/08/12 15:30	06/11/12 11:48	1
Lead	**1.9**		0.93		mg/Kg		06/08/12 15:30	06/11/12 11:48	1
Molybdenum	ND		0.93		mg/Kg		06/08/12 15:30	06/11/12 11:48	1

Client Sample ID: SB-11-2

Lab Sample ID: 440-13562-51

Date Collected: 06/03/12 10:40
Matrix: Solid
Date Received: 06/04/12 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND		4.6		mg/Kg		06/08/12 15:30	06/11/12 11:48	1
Selenium	ND		3.7		mg/Kg		06/08/12 15:30	06/11/12 11:48	1
Silver	ND		0.46		mg/Kg		06/08/12 15:30	06/11/12 11:48	1
Thallium	ND		5.6		mg/Kg		06/08/12 15:30	06/11/12 11:48	1
Vanadium	**17**		0.46		mg/Kg		06/08/12 15:30	06/11/12 11:48	1
Zinc	**9.9**		1.9		mg/Kg		06/08/12 15:30	06/11/12 11:48	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.018		mg/Kg		06/08/12 15:00	06/08/12 17:08	1

Client Sample ID: SB-11-3

Lab Sample ID: 440-13562-52

Date Collected: 06/03/12 10:40
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		14		mg/Kg		06/08/12 15:30	06/11/12 11:50	1
Arsenic	ND		1.9		mg/Kg		06/08/12 15:30	06/11/12 11:50	1
Barium	**21**		0.48		mg/Kg		06/08/12 15:30	06/11/12 11:50	1
Beryllium	ND		0.19		mg/Kg		06/08/12 15:30	06/11/12 11:50	1
Cadmium	ND		0.19		mg/Kg		06/08/12 15:30	06/11/12 11:50	1
Chromium	**7.6**		0.48		mg/Kg		06/08/12 15:30	06/11/12 11:50	1
Cobalt	**2.6**		0.48		mg/Kg		06/08/12 15:30	06/11/12 11:50	1
Copper	**3.5**		0.95		mg/Kg		06/08/12 15:30	06/11/12 11:50	1
Lead	**2.0**		0.95		mg/Kg		06/08/12 15:30	06/11/12 11:50	1
Molybdenum	ND		0.95		mg/Kg		06/08/12 15:30	06/11/12 11:50	1
Nickel	ND		4.8		mg/Kg		06/08/12 15:30	06/11/12 11:50	1
Selenium	ND		3.8		mg/Kg		06/08/12 15:30	06/11/12 11:50	1
Silver	ND		0.48		mg/Kg		06/08/12 15:30	06/11/12 11:50	1
Thallium	ND		5.7		mg/Kg		06/08/12 15:30	06/11/12 11:50	1
Vanadium	**17**		0.48		mg/Kg		06/08/12 15:30	06/11/12 11:50	1
Zinc	**9.4**		1.9		mg/Kg		06/08/12 15:30	06/11/12 11:50	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.020		mg/Kg		06/08/12 15:00	06/08/12 17:09	1

Client Sample ID: SB-12-1

Lab Sample ID: 440-13562-55

Date Collected: 06/03/12 10:50
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15		mg/Kg		06/08/12 15:30	06/11/12 12:02	1
Arsenic	**2.3**		1.9		mg/Kg		06/08/12 15:30	06/11/12 12:02	1
Barium	**78**		0.48		mg/Kg		06/08/12 15:30	06/11/12 12:02	1
Beryllium	**0.20**		0.19		mg/Kg		06/08/12 15:30	06/11/12 12:02	1
Cadmium	**0.85**		0.19		mg/Kg		06/08/12 15:30	06/11/12 12:02	1
Chromium	**11**		0.48		mg/Kg		06/08/12 15:30	06/11/12 12:02	1
Cobalt	**2.9**		0.48		mg/Kg		06/08/12 15:30	06/11/12 12:02	1
Copper	**10**		0.97		mg/Kg		06/08/12 15:30	06/11/12 12:02	1

Client Sample ID: SB-12-1

Lab Sample ID: 440-13562-55

Date Collected: 06/03/12 10:50

Matrix: Solid

Date Received: 06/04/12 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**48**		0.97		mg/Kg		06/08/12 15:30	06/11/12 12:02	1
Molybdenum	ND		0.97		mg/Kg		06/08/12 15:30	06/11/12 12:02	1
Nickel	ND		4.8		mg/Kg		06/08/12 15:30	06/11/12 12:02	1
Selenium	ND		3.9		mg/Kg		06/08/12 15:30	06/11/12 12:02	1
Silver	ND		0.48		mg/Kg		06/08/12 15:30	06/11/12 12:02	1
Thallium	ND		5.8		mg/Kg		06/08/12 15:30	06/11/12 12:02	1
Vanadium	**22**		0.48		mg/Kg		06/08/12 15:30	06/11/12 12:02	1
Zinc	**69**		1.9		mg/Kg		06/08/12 15:30	06/11/12 12:02	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.019		mg/Kg		06/08/12 15:00	06/08/12 17:14	1

Client Sample ID: SB-12-2

Lab Sample ID: 440-13562-56

Date Collected: 06/03/12 10:50

Matrix: Solid

Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		17		mg/Kg		06/08/12 15:30	06/11/12 12:04	1
Arsenic	ND		2.2		mg/Kg		06/08/12 15:30	06/11/12 12:04	1
Barium	**21**		0.55		mg/Kg		06/08/12 15:30	06/11/12 12:04	1
Beryllium	ND		0.22		mg/Kg		06/08/12 15:30	06/11/12 12:04	1
Cadmium	ND		0.22		mg/Kg		06/08/12 15:30	06/11/12 12:04	1
Chromium	**8.3**		0.55		mg/Kg		06/08/12 15:30	06/11/12 12:04	1
Cobalt	**2.8**		0.55		mg/Kg		06/08/12 15:30	06/11/12 12:04	1
Copper	**3.8**		1.1		mg/Kg		06/08/12 15:30	06/11/12 12:04	1
Lead	**2.7**		1.1		mg/Kg		06/08/12 15:30	06/11/12 12:04	1
Molybdenum	ND		1.1		mg/Kg		06/08/12 15:30	06/11/12 12:04	1
Nickel	ND		5.5		mg/Kg		06/08/12 15:30	06/11/12 12:04	1
Selenium	ND		4.4		mg/Kg		06/08/12 15:30	06/11/12 12:04	1
Silver	ND		0.55		mg/Kg		06/08/12 15:30	06/11/12 12:04	1
Thallium	ND		6.6		mg/Kg		06/08/12 15:30	06/11/12 12:04	1
Vanadium	**22**		0.55		mg/Kg		06/08/12 15:30	06/11/12 12:04	1
Zinc	**9.7**		2.2		mg/Kg		06/08/12 15:30	06/11/12 12:04	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.019		mg/Kg		06/08/12 15:00	06/08/12 17:15	1

Client Sample ID: SB-12-3

Lab Sample ID: 440-13562-57

Date Collected: 06/03/12 10:50

Matrix: Solid

Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16		mg/Kg		06/08/12 15:30	06/11/12 12:06	1
Arsenic	ND		2.2		mg/Kg		06/08/12 15:30	06/11/12 12:06	1
Barium	**39**		0.54		mg/Kg		06/08/12 15:30	06/11/12 12:06	1
Beryllium	**0.22**		0.22		mg/Kg		06/08/12 15:30	06/11/12 12:06	1
Cadmium	ND		0.22		mg/Kg		06/08/12 15:30	06/11/12 12:06	1
Chromium	**10**		0.54		mg/Kg		06/08/12 15:30	06/11/12 12:06	1

Client Sample ID: SB-12-3

Lab Sample ID: 440-13562-57

Date Collected: 06/03/12 10:50

Matrix: Solid

Date Received: 06/04/12 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	6.5		0.54		mg/Kg		06/08/12 15:30	06/11/12 12:06	1
Copper	4.3		1.1		mg/Kg		06/08/12 15:30	06/11/12 12:06	1
Lead	3.4		1.1		mg/Kg		06/08/12 15:30	06/11/12 12:06	1
Molybdenum	ND		1.1		mg/Kg		06/08/12 15:30	06/11/12 12:06	1
Nickel	ND		5.4		mg/Kg		06/08/12 15:30	06/11/12 12:06	1
Selenium	ND		4.3		mg/Kg		06/08/12 15:30	06/11/12 12:06	1
Silver	ND		0.54		mg/Kg		06/08/12 15:30	06/11/12 12:06	1
Thallium	ND		6.5		mg/Kg		06/08/12 15:30	06/11/12 12:06	1
Vanadium	26		0.54		mg/Kg		06/08/12 15:30	06/11/12 12:06	1
Zinc	11		2.2		mg/Kg		06/08/12 15:30	06/11/12 12:06	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.018		mg/Kg		06/08/12 15:00	06/08/12 17:17	1

Client Sample ID: SB-13-1

Lab Sample ID: 440-13562-60

Date Collected: 06/03/12 11:12

Matrix: Solid

Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15		mg/Kg		06/11/12 12:00	06/11/12 19:25	1
Arsenic	3.9		2.0		mg/Kg		06/11/12 12:00	06/11/12 19:25	1
Barium	89		0.49		mg/Kg		06/11/12 12:00	06/11/12 19:25	1
Beryllium	0.21		0.20		mg/Kg		06/11/12 12:00	06/11/12 19:25	1
Cadmium	0.24		0.20		mg/Kg		06/11/12 12:00	06/11/12 19:25	1
Chromium	8.5		0.49		mg/Kg		06/11/12 12:00	06/11/12 19:25	1
Cobalt	3.6		0.49		mg/Kg		06/11/12 12:00	06/11/12 19:25	1
Copper	10		0.98		mg/Kg		06/11/12 12:00	06/11/12 19:25	1
Lead	43		0.98		mg/Kg		06/11/12 12:00	06/11/12 19:25	1
Molybdenum	ND		0.98		mg/Kg		06/11/12 12:00	06/11/12 19:25	1
Nickel	ND		4.9		mg/Kg		06/11/12 12:00	06/11/12 19:25	1
Selenium	ND		3.9		mg/Kg		06/11/12 12:00	06/11/12 19:25	1
Silver	ND		0.49		mg/Kg		06/11/12 12:00	06/11/12 19:25	1
Thallium	ND		5.9		mg/Kg		06/11/12 12:00	06/11/12 19:25	1
Vanadium	20		0.49		mg/Kg		06/11/12 12:00	06/11/12 19:25	1
Zinc	75		2.0		mg/Kg		06/11/12 12:00	06/11/12 19:25	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	0.076		0.019		mg/Kg		06/11/12 11:20	06/11/12 13:10	1

Client Sample ID: SB-13-2

Lab Sample ID: 440-13562-61

Date Collected: 06/03/12 11:12

Matrix: Solid

Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16		mg/Kg		06/11/12 12:00	06/11/12 19:32	1
Arsenic	3.5		2.1		mg/Kg		06/11/12 12:00	06/11/12 19:32	1
Barium	56		0.53		mg/Kg		06/11/12 12:00	06/11/12 19:32	1
Beryllium	0.24		0.21		mg/Kg		06/11/12 12:00	06/11/12 19:32	1

Client Sample ID: SB-13-2

Lab Sample ID: 440-13562-61

Date Collected: 06/03/12 11:12
Matrix: Solid
Date Received: 06/04/12 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.21		mg/Kg		06/11/12 12:00	06/11/12 19:32	1
Chromium	**8.4**		0.53		mg/Kg		06/11/12 12:00	06/11/12 19:32	1
Cobalt	**2.6**		0.53		mg/Kg		06/11/12 12:00	06/11/12 19:32	1
Copper	**24**		1.1		mg/Kg		06/11/12 12:00	06/11/12 19:32	1
Lead	**120**		1.1		mg/Kg		06/11/12 12:00	06/11/12 19:32	1
Molybdenum	**1.5**		1.1		mg/Kg		06/11/12 12:00	06/11/12 19:32	1
Nickel	ND		5.3		mg/Kg		06/11/12 12:00	06/11/12 19:32	1
Selenium	ND		4.2		mg/Kg		06/11/12 12:00	06/11/12 19:32	1
Silver	ND		0.53		mg/Kg		06/11/12 12:00	06/11/12 19:32	1
Thallium	ND		6.3		mg/Kg		06/11/12 12:00	06/11/12 19:32	1
Vanadium	**16**		0.53		mg/Kg		06/11/12 12:00	06/11/12 19:32	1
Zinc	**86**		2.1		mg/Kg		06/11/12 12:00	06/11/12 19:32	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.42**		0.0050		mg/L		06/15/12 12:00	06/16/12 01:34	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	**0.046**		0.020		mg/Kg		06/11/12 11:20	06/11/12 13:11	1

Client Sample ID: SB-13-3

Lab Sample ID: 440-13562-62

Date Collected: 06/03/12 11:12
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		14		mg/Kg		06/11/12 12:00	06/11/12 19:43	1
Arsenic	**2.8**		1.9		mg/Kg		06/11/12 12:00	06/11/12 19:43	1
Barium	**44**		0.47		mg/Kg		06/11/12 12:00	06/11/12 19:43	1
Beryllium	**0.24**		0.19		mg/Kg		06/11/12 12:00	06/11/12 19:43	1
Cadmium	ND		0.19		mg/Kg		06/11/12 12:00	06/11/12 19:43	1
Chromium	**9.9**		0.47		mg/Kg		06/11/12 12:00	06/11/12 19:43	1
Cobalt	**9.7**		0.47		mg/Kg		06/11/12 12:00	06/11/12 19:43	1
Copper	**5.0**		0.93		mg/Kg		06/11/12 12:00	06/11/12 19:43	1
Lead	**4.7**		0.93		mg/Kg		06/11/12 12:00	06/11/12 19:43	1
Molybdenum	ND		0.93		mg/Kg		06/11/12 12:00	06/11/12 19:43	1
Nickel	ND		4.7		mg/Kg		06/11/12 12:00	06/11/12 19:43	1
Selenium	ND		3.7		mg/Kg		06/11/12 12:00	06/11/12 19:43	1
Silver	ND		0.47		mg/Kg		06/11/12 12:00	06/11/12 19:43	1
Thallium	ND		5.6		mg/Kg		06/11/12 12:00	06/11/12 19:43	1
Vanadium	**33**		0.47		mg/Kg		06/11/12 12:00	06/11/12 19:43	1
Zinc	**12**		1.9		mg/Kg		06/11/12 12:00	06/11/12 19:43	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.018		mg/Kg		06/11/12 11:20	06/11/12 13:16	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-14-1

Lab Sample ID: 440-13562-65

Date Collected: 06/03/12 11:20
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16		mg/Kg		06/11/12 12:00	06/11/12 19:51	1
Arsenic	**8.3**		2.2		mg/Kg		06/11/12 12:00	06/11/12 19:51	1
Barium	**61**		0.54		mg/Kg		06/11/12 12:00	06/11/12 19:51	1
Beryllium	**0.45**		0.22		mg/Kg		06/11/12 12:00	06/11/12 19:51	1
Cadmium	ND		0.22		mg/Kg		06/11/12 12:00	06/11/12 19:51	1
Chromium	**5.0**		0.54		mg/Kg		06/11/12 12:00	06/11/12 19:51	1
Cobalt	**3.1**		0.54		mg/Kg		06/11/12 12:00	06/11/12 19:51	1
Copper	**6.3**		1.1		mg/Kg		06/11/12 12:00	06/11/12 19:51	1
Lead	**8.5**		1.1		mg/Kg		06/11/12 12:00	06/11/12 19:51	1
Molybdenum	ND		1.1		mg/Kg		06/11/12 12:00	06/11/12 19:51	1
Nickel	ND		5.4		mg/Kg		06/11/12 12:00	06/11/12 19:51	1
Selenium	ND		4.3		mg/Kg		06/11/12 12:00	06/11/12 19:51	1
Silver	ND		0.54		mg/Kg		06/11/12 12:00	06/11/12 19:51	1
Thallium	ND		6.5		mg/Kg		06/11/12 12:00	06/11/12 19:51	1
Vanadium	**12**		0.54		mg/Kg		06/11/12 12:00	06/11/12 19:51	1
Zinc	**24**		2.2		mg/Kg		06/11/12 12:00	06/11/12 19:51	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.020		mg/Kg		06/11/12 11:20	06/11/12 13:23	1

Client Sample ID: SB-14-2

Lab Sample ID: 440-13562-66

Date Collected: 06/03/12 11:20
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15		mg/Kg		06/11/12 12:00	06/11/12 19:53	1
Arsenic	**8.1**		2.0		mg/Kg		06/11/12 12:00	06/11/12 19:53	1
Barium	**94**		0.50		mg/Kg		06/11/12 12:00	06/11/12 19:53	1
Beryllium	**0.43**		0.20		mg/Kg		06/11/12 12:00	06/11/12 19:53	1
Cadmium	ND		0.20		mg/Kg		06/11/12 12:00	06/11/12 19:53	1
Chromium	**4.6**		0.50		mg/Kg		06/11/12 12:00	06/11/12 19:53	1
Cobalt	**2.8**		0.50		mg/Kg		06/11/12 12:00	06/11/12 19:53	1
Copper	**6.3**		1.0		mg/Kg		06/11/12 12:00	06/11/12 19:53	1
Lead	**8.2**		1.0		mg/Kg		06/11/12 12:00	06/11/12 19:53	1
Molybdenum	ND		1.0		mg/Kg		06/11/12 12:00	06/11/12 19:53	1
Nickel	ND		5.0		mg/Kg		06/11/12 12:00	06/11/12 19:53	1
Selenium	ND		4.0		mg/Kg		06/11/12 12:00	06/11/12 19:53	1
Silver	ND		0.50		mg/Kg		06/11/12 12:00	06/11/12 19:53	1
Thallium	ND		6.0		mg/Kg		06/11/12 12:00	06/11/12 19:53	1
Vanadium	**12**		0.50		mg/Kg		06/11/12 12:00	06/11/12 19:53	1
Zinc	**24**		2.0		mg/Kg		06/11/12 12:00	06/11/12 19:53	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.021		mg/Kg		06/11/12 11:20	06/11/12 13:25	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-14-3

Date Collected: 06/03/12 11:20
Date Received: 06/04/12 17:30

Lab Sample ID: 440-13562-67

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		12		ug/Kg			06/07/12 02:00	1
1,1,1-Trichloroethane	ND		4.9		ug/Kg			06/07/12 02:00	1
1,1,2,2-Tetrachloroethane	ND		4.9		ug/Kg			06/07/12 02:00	1
1,1,2-Trichloroethane	ND		4.9		ug/Kg			06/07/12 02:00	1
1,1-Dichloroethane	ND		4.9		ug/Kg			06/07/12 02:00	1
1,1-Dichloroethene	ND		12		ug/Kg			06/07/12 02:00	1
1,1-Dichloropropene	ND		4.9		ug/Kg			06/07/12 02:00	1
1,2,3-Trichlorobenzene	ND		12		ug/Kg			06/07/12 02:00	1
1,2,4-Trimethylbenzene	ND		4.9		ug/Kg			06/07/12 02:00	1
1,2-Dibromo-3-Chloropropane	ND		12		ug/Kg			06/07/12 02:00	1
1,2-Dibromoethane (EDB)	ND		4.9		ug/Kg			06/07/12 02:00	1
1,2-Dichlorobenzene	ND		4.9		ug/Kg			06/07/12 02:00	1
1,2-Dichloroethane	ND		4.9		ug/Kg			06/07/12 02:00	1
1,2-Dichloropropane	ND		4.9		ug/Kg			06/07/12 02:00	1
1,3,5-Trimethylbenzene	ND		4.9		ug/Kg			06/07/12 02:00	1
1,3-Dichlorobenzene	ND		4.9		ug/Kg			06/07/12 02:00	1
1,3-Dichloropropane	ND		4.9		ug/Kg			06/07/12 02:00	1
1,4-Dichlorobenzene	ND		4.9		ug/Kg			06/07/12 02:00	1
2,2-Dichloropropane	ND		4.9		ug/Kg			06/07/12 02:00	1
2-Chlorotoluene	ND		12		ug/Kg			06/07/12 02:00	1
4-Chlorotoluene	ND		12		ug/Kg			06/07/12 02:00	1
p-Isopropyltoluene	**13**		4.9		ug/Kg			06/07/12 02:00	1
Benzene	ND		4.9		ug/Kg			06/07/12 02:00	1
Bromobenzene	ND		12		ug/Kg			06/07/12 02:00	1
Dibromochloromethane	ND		4.9		ug/Kg			06/07/12 02:00	1
Bromochloromethane	ND		12		ug/Kg			06/07/12 02:00	1
Bromoform	ND		12		ug/Kg			06/07/12 02:00	1
Bromomethane	ND		12		ug/Kg			06/07/12 02:00	1
Carbon tetrachloride	ND		12		ug/Kg			06/07/12 02:00	1
Chlorobenzene	ND		4.9		ug/Kg			06/07/12 02:00	1
Chloroethane	ND		12		ug/Kg			06/07/12 02:00	1
Chloroform	ND		4.9		ug/Kg			06/07/12 02:00	1
Chloromethane	ND		12		ug/Kg			06/07/12 02:00	1
cis-1,2-Dichloroethene	ND		4.9		ug/Kg			06/07/12 02:00	1
cis-1,3-Dichloropropene	ND		4.9		ug/Kg			06/07/12 02:00	1
Bromodichloromethane	ND		4.9		ug/Kg			06/07/12 02:00	1
Dibromomethane	ND		4.9		ug/Kg			06/07/12 02:00	1
Dichlorodifluoromethane	ND		12		ug/Kg			06/07/12 02:00	1
Ethylbenzene	**11**		4.9		ug/Kg			06/07/12 02:00	1
Isopropyl Ether (DIPE)	ND		12		ug/Kg			06/07/12 02:00	1
Methyl-t-Butyl Ether (MTBE)	ND		12		ug/Kg			06/07/12 02:00	1
Tert-amyl-methyl ether (TAME)	ND		12		ug/Kg			06/07/12 02:00	1
Ethyl-t-butyl ether (ETBE)	ND		12		ug/Kg			06/07/12 02:00	1
Hexachlorobutadiene	ND		12		ug/Kg			06/07/12 02:00	1
m,p-Xylene	ND		4.9		ug/Kg			06/07/12 02:00	1
Methylene Chloride	ND		49		ug/Kg			06/07/12 02:00	1
Naphthalene	ND		12		ug/Kg			06/07/12 02:00	1
n-Butylbenzene	ND		12		ug/Kg			06/07/12 02:00	1
N-Propylbenzene	**8.8**		4.9		ug/Kg			06/07/12 02:00	1
o-Xylene	ND		4.9		ug/Kg			06/07/12 02:00	1
sec-Butylbenzene	ND		12		ug/Kg			06/07/12 02:00	1

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-14-3

Date Collected: 06/03/12 11:20
Date Received: 06/04/12 17:30

Lab Sample ID: 440-13562-67
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		4.9		ug/Kg			06/07/12 02:00	1
tert-Butyl alcohol (TBA)	ND		250		ug/Kg			06/07/12 02:00	1
tert-Butylbenzene	ND		12		ug/Kg			06/07/12 02:00	1
Tetrachloroethene	ND		4.9		ug/Kg			06/07/12 02:00	1
Toluene	ND		4.9		ug/Kg			06/07/12 02:00	1
trans-1,2-Dichloroethene	ND		4.9		ug/Kg			06/07/12 02:00	1
trans-1,3-Dichloropropene	ND		4.9		ug/Kg			06/07/12 02:00	1
Trichloroethene	ND		4.9		ug/Kg			06/07/12 02:00	1
Trichlorofluoromethane	ND		12		ug/Kg			06/07/12 02:00	1
Vinyl chloride	ND		12		ug/Kg			06/07/12 02:00	1
Xylenes, Total	ND		9.9		ug/Kg			06/07/12 02:00	1
Acetone	**43**		25		ug/Kg			06/07/12 02:00	1
2-Hexanone	ND		62		ug/Kg			06/07/12 02:00	1
4-Methyl-2-pentanone (MIBK)	ND		12		ug/Kg			06/07/12 02:00	1
2-Butanone (MEK)	ND		25		ug/Kg			06/07/12 02:00	1
Isopropylbenzene	**6.5**		4.9		ug/Kg			06/07/12 02:00	1
1,2,3-Trichloropropane	ND		25		ug/Kg			06/07/12 02:00	1
1,2,4-Trichlorobenzene	ND		12		ug/Kg			06/07/12 02:00	1
Ethanol	ND		740		ug/Kg			06/07/12 02:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*06/07/12 02:00*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 125*		*06/07/12 02:00*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/07/12 02:00*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	**6700**		1400		ug/Kg			06/06/12 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*188*	*X*	*65 - 140*		*06/06/12 16:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	**1900**		150		mg/Kg		06/05/12 15:17	06/07/12 12:41	5
ORO (C29-C40)	**180**		150		mg/Kg		06/05/12 15:17	06/07/12 12:41	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*86*		*40 - 140*	*06/05/12 15:17*	*06/07/12 12:41*	*5*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15		mg/Kg		06/11/12 12:00	06/11/12 20:00	1
Arsenic	**4.5**		1.9		mg/Kg		06/11/12 12:00	06/11/12 20:00	1
Barium	**74**		0.49		mg/Kg		06/11/12 12:00	06/11/12 20:00	1
Beryllium	**0.32**		0.19		mg/Kg		06/11/12 12:00	06/11/12 20:00	1
Cadmium	ND		0.19		mg/Kg		06/11/12 12:00	06/11/12 20:00	1
Chromium	**6.5**		0.49		mg/Kg		06/11/12 12:00	06/11/12 20:00	1
Cobalt	**3.2**		0.49		mg/Kg		06/11/12 12:00	06/11/12 20:00	1
Copper	**6.1**		0.97		mg/Kg		06/11/12 12:00	06/11/12 20:00	1
Lead	**9.3**		0.97		mg/Kg		06/11/12 12:00	06/11/12 20:00	1
Molybdenum	ND		0.97		mg/Kg		06/11/12 12:00	06/11/12 20:00	1

Client Sample ID: SB-14-3

Lab Sample ID: 440-13562-67

Date Collected: 06/03/12 11:20

Matrix: Solid

Date Received: 06/04/12 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	ND		4.9		mg/Kg		06/11/12 12:00	06/11/12 20:00	1
Selenium	ND		3.9		mg/Kg		06/11/12 12:00	06/11/12 20:00	1
Silver	ND		0.49		mg/Kg		06/11/12 12:00	06/11/12 20:00	1
Thallium	ND		5.8		mg/Kg		06/11/12 12:00	06/11/12 20:00	1
Vanadium	**18**		0.49		mg/Kg		06/11/12 12:00	06/11/12 20:00	1
Zinc	**25**		1.9		mg/Kg		06/11/12 12:00	06/11/12 20:00	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.018		mg/Kg		06/11/12 11:20	06/11/12 13:27	1

Client Sample ID: SB-14-5

Lab Sample ID: 440-13562-69

Date Collected: 06/03/12 11:20

Matrix: Solid

Date Received: 06/04/12 17:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
1,1,1-Trichloroethane	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
1,1,2-Trichloroethane	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
1,1-Dichloroethane	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
1,1-Dichloroethene	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
1,1-Dichloropropene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
1,2,3-Trichlorobenzene	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
1,2,4-Trimethylbenzene	**1800**		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
1,2-Dibromo-3-Chloropropane	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
1,2-Dibromoethane (EDB)	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
1,2-Dichlorobenzene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
1,2-Dichloroethane	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
1,2-Dichloropropane	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
1,3,5-Trimethylbenzene	**370**		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
1,3-Dichlorobenzene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
1,3-Dichloropropane	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
1,4-Dichlorobenzene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
2,2-Dichloropropane	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
2-Chlorotoluene	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
4-Chlorotoluene	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
p-Isopropyltoluene	**360**		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Benzene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Bromobenzene	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Dibromochloromethane	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Bromochloromethane	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Bromoform	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Bromomethane	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Carbon tetrachloride	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Chlorobenzene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Chloroethane	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Chloroform	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Chloromethane	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
cis-1,2-Dichloroethene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-14-5

Date Collected: 06/03/12 11:20
Date Received: 06/04/12 17:30

Lab Sample ID: 440-13562-69

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Bromodichloromethane	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Dibromomethane	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Dichlorodifluoromethane	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Ethylbenzene	**250**		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Isopropyl Ether (DIPE)	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Methyl-t-Butyl Ether (MTBE)	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Tert-amyl-methyl ether (TAME)	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Ethyl-t-butyl ether (ETBE)	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Hexachlorobutadiene	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
m,p-Xylene	**120**		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Methylene Chloride	ND		1000		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Naphthalene	**1000**		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
n-Butylbenzene	**400**		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
N-Propylbenzene	**280**		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
o-Xylene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
sec-Butylbenzene	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Styrene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
tert-Butyl alcohol (TBA)	ND		5000		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
tert-Butylbenzene	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Tetrachloroethene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Toluene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
trans-1,2-Dichloroethene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
trans-1,3-Dichloropropene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Trichloroethene	ND		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Trichlorofluoromethane	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Vinyl chloride	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Xylenes, Total	ND		200		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Acetone	ND		1500		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
2-Hexanone	ND		1200		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
4-Methyl-2-pentanone (MIBK)	ND		500		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
2-Butanone (MEK)	ND		1000		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Isopropylbenzene	**170**		100		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
1,2,3-Trichloropropane	ND		500		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
1,2,4-Trichlorobenzene	ND		250		ug/Kg		06/07/12 07:47	06/07/12 13:29	100
Ethanol	ND		15000		ug/Kg		06/07/12 07:47	06/07/12 13:29	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*65 - 140*	*06/07/12 07:47*	*06/07/12 13:29*	*100*
Dibromofluoromethane (Surr)	*83*		*55 - 140*	*06/07/12 07:47*	*06/07/12 13:29*	*100*
Toluene-d8 (Surr)	*98*		*60 - 140*	*06/07/12 07:47*	*06/07/12 13:29*	*100*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	**220000**		150000		ug/Kg		06/07/12 10:31	06/07/12 15:32	400

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*156*	*X*	*65 - 140*	*06/07/12 10:31*	*06/07/12 15:32*	*400*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	**5100**		300		mg/Kg		06/05/12 15:17	06/07/12 11:20	20

Client Sample ID: SB-14-5

Lab Sample ID: 440-13562-69

Date Collected: 06/03/12 11:20

Matrix: Solid

Date Received: 06/04/12 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ORO (C29-C40)	ND		300		mg/Kg		06/05/12 15:17	06/07/12 11:20	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*87*		*40 - 140*	*06/05/12 15:17*	*06/07/12 11:20*	*20*

Client Sample ID: SB-15-1

Lab Sample ID: 440-13562-70

Date Collected: 06/03/12 11:30

Matrix: Solid

Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15		mg/Kg		06/11/12 12:00	06/11/12 20:07	1
Arsenic	**9.2**		2.0		mg/Kg		06/11/12 12:00	06/11/12 20:07	1
Barium	**69**		0.49		mg/Kg		06/11/12 12:00	06/11/12 20:07	1
Beryllium	**0.40**		0.20		mg/Kg		06/11/12 12:00	06/11/12 20:07	1
Cadmium	ND		0.20		mg/Kg		06/11/12 12:00	06/11/12 20:07	1
Chromium	**9.7**		0.49		mg/Kg		06/11/12 12:00	06/11/12 20:07	1
Cobalt	**5.3**		0.49		mg/Kg		06/11/12 12:00	06/11/12 20:07	1
Copper	**12**		0.98		mg/Kg		06/11/12 12:00	06/11/12 20:07	1
Lead	**11**		0.98		mg/Kg		06/11/12 12:00	06/11/12 20:07	1
Molybdenum	ND		0.98		mg/Kg		06/11/12 12:00	06/11/12 20:07	1
Nickel	**5.6**		4.9		mg/Kg		06/11/12 12:00	06/11/12 20:07	1
Selenium	ND		3.9		mg/Kg		06/11/12 12:00	06/11/12 20:07	1
Silver	ND		0.49		mg/Kg		06/11/12 12:00	06/11/12 20:07	1
Thallium	ND		5.9		mg/Kg		06/11/12 12:00	06/11/12 20:07	1
Vanadium	**19**		0.49		mg/Kg		06/11/12 12:00	06/11/12 20:07	1
Zinc	**37**		2.0		mg/Kg		06/11/12 12:00	06/11/12 20:07	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.020		mg/Kg		06/11/12 11:20	06/11/12 13:30	1

Client Sample ID: SB-15-2

Lab Sample ID: 440-13562-71

Date Collected: 06/03/12 11:30

Matrix: Solid

Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16		mg/Kg		06/11/12 12:00	06/11/12 20:10	1
Arsenic	**4.5**		2.1		mg/Kg		06/11/12 12:00	06/11/12 20:10	1
Barium	**75**		0.53		mg/Kg		06/11/12 12:00	06/11/12 20:10	1
Beryllium	**0.30**		0.21		mg/Kg		06/11/12 12:00	06/11/12 20:10	1
Cadmium	ND		0.21		mg/Kg		06/11/12 12:00	06/11/12 20:10	1
Chromium	**7.4**		0.53		mg/Kg		06/11/12 12:00	06/11/12 20:10	1
Cobalt	**3.3**		0.53		mg/Kg		06/11/12 12:00	06/11/12 20:10	1
Copper	**5.7**		1.1		mg/Kg		06/11/12 12:00	06/11/12 20:10	1
Lead	**15**		1.1		mg/Kg		06/11/12 12:00	06/11/12 20:10	1
Molybdenum	ND		1.1		mg/Kg		06/11/12 12:00	06/11/12 20:10	1
Nickel	ND		5.3		mg/Kg		06/11/12 12:00	06/11/12 20:10	1
Selenium	ND		4.2		mg/Kg		06/11/12 12:00	06/11/12 20:10	1
Silver	ND		0.53		mg/Kg		06/11/12 12:00	06/11/12 20:10	1
Thallium	ND		6.4		mg/Kg		06/11/12 12:00	06/11/12 20:10	1

Client Sample ID: SB-15-2

Lab Sample ID: 440-13562-71

Date Collected: 06/03/12 11:30

Matrix: Solid

Date Received: 06/04/12 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	**19**		0.53		mg/Kg		06/11/12 12:00	06/11/12 20:10	1
Zinc	**28**		2.1		mg/Kg		06/11/12 12:00	06/11/12 20:10	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.020		mg/Kg		06/11/12 11:20	06/11/12 13:31	1

Client Sample ID: SB-15-3

Lab Sample ID: 440-13562-72

Date Collected: 06/03/12 11:30

Matrix: Solid

Date Received: 06/04/12 17:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
1,1,1-Trichloroethane	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
1,1,2,2-Tetrachloroethane	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
1,1,2-Trichloroethane	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
1,1-Dichloroethane	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
1,1-Dichloroethene	ND		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
1,1-Dichloropropene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
1,2,3-Trichlorobenzene	ND		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
1,2,4-Trimethylbenzene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
1,2-Dibromo-3-Chloropropane	ND		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
1,2-Dibromoethane (EDB)	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
1,2-Dichlorobenzene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
1,2-Dichloroethane	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
1,2-Dichloropropane	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
1,3,5-Trimethylbenzene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
1,3-Dichlorobenzene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
1,3-Dichloropropane	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
1,4-Dichlorobenzene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
2,2-Dichloropropane	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
2-Chlorotoluene	ND		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
4-Chlorotoluene	ND		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
p-Isopropyltoluene	**270**		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Benzene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Bromobenzene	ND		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Dibromochloromethane	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Bromochloromethane	ND		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Bromoform	ND		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Bromomethane	ND		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Carbon tetrachloride	ND		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Chlorobenzene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Chloroethane	ND		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Chloroform	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Chloromethane	ND		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
cis-1,2-Dichloroethene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
cis-1,3-Dichloropropene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Bromodichloromethane	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Dibromomethane	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Dichlorodifluoromethane	ND		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-15-3
Date Collected: 06/03/12 11:30
Date Received: 06/04/12 17:30

Lab Sample ID: 440-13562-72
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**150**		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Isopropyl Ether (DIPE)	ND		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Methyl-t-Butyl Ether (MTBE)	ND		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Tert-amyl-methyl ether (TAME)	ND		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Ethyl-t-butyl ether (ETBE)	ND		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Hexachlorobutadiene	ND		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
m,p-Xylene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Methylene Chloride	ND		970		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Naphthalene	ND		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
n-Butylbenzene	**300**		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
N-Propylbenzene	**170**		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
o-Xylene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
sec-Butylbenzene	ND		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Styrene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
tert-Butyl alcohol (TBA)	ND		4900		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
tert-Butylbenzene	ND		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Tetrachloroethene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Toluene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
trans-1,2-Dichloroethene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
trans-1,3-Dichloropropene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Trichloroethene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Trichlorofluoromethane	ND		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Vinyl chloride	ND		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Xylenes, Total	ND		190		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Acetone	ND		1500		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
2-Hexanone	ND		1200		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
4-Methyl-2-pentanone (MIBK)	ND		490		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
2-Butanone (MEK)	ND		970		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Isopropylbenzene	**100**		97		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
1,2,3-Trichloropropane	ND		490		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
1,2,4-Trichlorobenzene	ND		240		ug/Kg		06/07/12 22:34	06/08/12 13:38	100
Ethanol	ND		15000		ug/Kg		06/07/12 22:34	06/08/12 13:38	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*65 - 140*	*06/07/12 22:34*	*06/08/12 13:38*	*100*
Dibromofluoromethane (Surr)	*82*		*55 - 140*	*06/07/12 22:34*	*06/08/12 13:38*	*100*
Toluene-d8 (Surr)	*92*		*60 - 140*	*06/07/12 22:34*	*06/08/12 13:38*	*100*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	**5100**		980		ug/Kg			06/06/12 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*182*	*X*	*65 - 140*		*06/06/12 17:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	**1300**		100		mg/Kg		06/06/12 07:52	06/07/12 15:24	10
ORO (C29-C40)	ND		100		mg/Kg		06/06/12 07:52	06/07/12 15:24	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*96*		*40 - 140*	*06/06/12 07:52*	*06/07/12 15:24*	*10*

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-15-3

Lab Sample ID: 440-13562-72

Date Collected: 06/03/12 11:30
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		14		mg/Kg		06/11/12 12:00	06/11/12 20:12	1
Arsenic	**5.0**		1.9		mg/Kg		06/11/12 12:00	06/11/12 20:12	1
Barium	**58**		0.47		mg/Kg		06/11/12 12:00	06/11/12 20:12	1
Beryllium	**0.31**		0.19		mg/Kg		06/11/12 12:00	06/11/12 20:12	1
Cadmium	ND		0.19		mg/Kg		06/11/12 12:00	06/11/12 20:12	1
Chromium	**8.1**		0.47		mg/Kg		06/11/12 12:00	06/11/12 20:12	1
Cobalt	**3.3**		0.47		mg/Kg		06/11/12 12:00	06/11/12 20:12	1
Copper	**5.5**		0.94		mg/Kg		06/11/12 12:00	06/11/12 20:12	1
Lead	**14**		0.94		mg/Kg		06/11/12 12:00	06/11/12 20:12	1
Molybdenum	ND		0.94		mg/Kg		06/11/12 12:00	06/11/12 20:12	1
Nickel	ND		4.7		mg/Kg		06/11/12 12:00	06/11/12 20:12	1
Selenium	ND		3.8		mg/Kg		06/11/12 12:00	06/11/12 20:12	1
Silver	ND		0.47		mg/Kg		06/11/12 12:00	06/11/12 20:12	1
Thallium	ND		5.7		mg/Kg		06/11/12 12:00	06/11/12 20:12	1
Vanadium	**19**		0.47		mg/Kg		06/11/12 12:00	06/11/12 20:12	1
Zinc	**26**		1.9		mg/Kg		06/11/12 12:00	06/11/12 20:12	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.018		mg/Kg		06/11/12 11:20	06/11/12 13:32	1

Client Sample ID: SB-15-5

Lab Sample ID: 440-13562-74

Date Collected: 06/03/12 11:55
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
1,1,1-Trichloroethane	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
1,1,2,2-Tetrachloroethane	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
1,1,2-Trichloroethane	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
1,1-Dichloroethane	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
1,1-Dichloroethene	ND		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
1,1-Dichloropropene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
1,2,3-Trichlorobenzene	ND		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
1,2,4-Trimethylbenzene	**6800**		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
1,2-Dibromo-3-Chloropropane	ND		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
1,2-Dibromoethane (EDB)	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
1,2-Dichlorobenzene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
1,2-Dichloroethane	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
1,2-Dichloropropane	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
1,3,5-Trimethylbenzene	**410**		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
1,3-Dichlorobenzene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
1,3-Dichloropropane	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
1,4-Dichlorobenzene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
2,2-Dichloropropane	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
2-Chlorotoluene	ND		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
4-Chlorotoluene	ND		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
p-Isopropyltoluene	**1200**		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Benzene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Bromobenzene	ND		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-15-5
Date Collected: 06/03/12 11:55
Date Received: 06/04/12 17:30

Lab Sample ID: 440-13562-74
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Bromochloromethane	ND		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Bromoform	ND		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Bromomethane	ND		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Carbon tetrachloride	ND		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Chlorobenzene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Chloroethane	ND		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Chloroform	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Chloromethane	ND		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
cis-1,2-Dichloroethene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
cis-1,3-Dichloropropene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Bromodichloromethane	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Dibromomethane	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Dichlorodifluoromethane	ND		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Ethylbenzene	**930**		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Isopropyl Ether (DIPE)	ND		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Methyl-t-Butyl Ether (MTBE)	ND		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Tert-amyl-methyl ether (TAME)	ND		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Ethyl-t-butyl ether (ETBE)	ND		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Hexachlorobutadiene	ND		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
m,p-Xylene	**200**		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Methylene Chloride	ND		970		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Naphthalene	**2800**		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
n-Butylbenzene	ND		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
N-Propylbenzene	**1200**		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
o-Xylene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
sec-Butylbenzene	**900**		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Styrene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
tert-Butyl alcohol (TBA)	ND		4800		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
tert-Butylbenzene	ND		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Tetrachloroethene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Toluene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
trans-1,2-Dichloroethene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
trans-1,3-Dichloropropene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Trichloroethene	ND		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Trichlorofluoromethane	ND		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Vinyl chloride	ND		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Xylenes, Total	**200**		190		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Acetone	ND		1500		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
2-Hexanone	ND		1200		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
4-Methyl-2-pentanone (MIBK)	ND		480		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
2-Butanone (MEK)	ND		970		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Isopropylbenzene	**690**		97		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
1,2,3-Trichloropropane	ND		480		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
1,2,4-Trichlorobenzene	ND		240		ug/Kg		06/07/12 22:34	06/08/12 12:04	100
Ethanol	ND		15000		ug/Kg		06/07/12 22:34	06/08/12 12:04	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*65 - 140*	*06/07/12 22:34*	*06/08/12 12:04*	*100*
Dibromofluoromethane (Surr)	*95*		*55 - 140*	*06/07/12 22:34*	*06/08/12 12:04*	*100*
Toluene-d8 (Surr)	*101*		*60 - 140*	*06/07/12 22:34*	*06/08/12 12:04*	*100*

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-15-5

Lab Sample ID: 440-13562-74

Date Collected: 06/03/12 11:55
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	390000		190000		ug/Kg		06/07/12 10:31	06/07/12 13:38	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*245*	*X*	*65 - 140*	*06/07/12 10:31*	*06/07/12 13:38*	*500*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	5000		500		mg/Kg		06/06/12 07:52	06/07/12 14:23	100
ORO (C29-C40)	ND		500		mg/Kg		06/06/12 07:52	06/07/12 14:23	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*101*		*40 - 140*	*06/06/12 07:52*	*06/07/12 14:23*	*100*

Client Sample ID: SB-16-1

Lab Sample ID: 440-13562-75

Date Collected: 06/03/12 11:55
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			06/07/12 02:56	1
1,1,1-Trichloroethane	ND		2.0		ug/Kg			06/07/12 02:56	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg			06/07/12 02:56	1
1,1,2-Trichloroethane	ND		2.0		ug/Kg			06/07/12 02:56	1
1,1-Dichloroethane	ND		2.0		ug/Kg			06/07/12 02:56	1
1,1-Dichloroethene	ND		5.0		ug/Kg			06/07/12 02:56	1
1,1-Dichloropropene	ND		2.0		ug/Kg			06/07/12 02:56	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			06/07/12 02:56	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg			06/07/12 02:56	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg			06/07/12 02:56	1
1,2-Dibromoethane (EDB)	ND		2.0		ug/Kg			06/07/12 02:56	1
1,2-Dichlorobenzene	ND		2.0		ug/Kg			06/07/12 02:56	1
1,2-Dichloroethane	ND		2.0		ug/Kg			06/07/12 02:56	1
1,2-Dichloropropane	ND		2.0		ug/Kg			06/07/12 02:56	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg			06/07/12 02:56	1
1,3-Dichlorobenzene	ND		2.0		ug/Kg			06/07/12 02:56	1
1,3-Dichloropropane	ND		2.0		ug/Kg			06/07/12 02:56	1
1,4-Dichlorobenzene	ND		2.0		ug/Kg			06/07/12 02:56	1
2,2-Dichloropropane	ND		2.0		ug/Kg			06/07/12 02:56	1
2-Chlorotoluene	ND		5.0		ug/Kg			06/07/12 02:56	1
4-Chlorotoluene	ND		5.0		ug/Kg			06/07/12 02:56	1
p-Isopropyltoluene	ND		2.0		ug/Kg			06/07/12 02:56	1
Benzene	ND		2.0		ug/Kg			06/07/12 02:56	1
Bromobenzene	ND		5.0		ug/Kg			06/07/12 02:56	1
Dibromochloromethane	ND		2.0		ug/Kg			06/07/12 02:56	1
Bromochloromethane	ND		5.0		ug/Kg			06/07/12 02:56	1
Bromoform	ND		5.0		ug/Kg			06/07/12 02:56	1
Bromomethane	ND		5.0		ug/Kg			06/07/12 02:56	1
Carbon tetrachloride	ND		5.0		ug/Kg			06/07/12 02:56	1
Chlorobenzene	ND		2.0		ug/Kg			06/07/12 02:56	1
Chloroethane	ND		5.0		ug/Kg			06/07/12 02:56	1
Chloroform	ND		2.0		ug/Kg			06/07/12 02:56	1
Chloromethane	ND		5.0		ug/Kg			06/07/12 02:56	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-16-1

Date Collected: 06/03/12 11:55
Date Received: 06/04/12 17:30

Lab Sample ID: 440-13562-75

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		2.0		ug/Kg			06/07/12 02:56	1
cis-1,3-Dichloropropene	ND		2.0		ug/Kg			06/07/12 02:56	1
Bromodichloromethane	ND		2.0		ug/Kg			06/07/12 02:56	1
Dibromomethane	ND		2.0		ug/Kg			06/07/12 02:56	1
Dichlorodifluoromethane	ND		5.0		ug/Kg			06/07/12 02:56	1
Ethylbenzene	ND		2.0		ug/Kg			06/07/12 02:56	1
Isopropyl Ether (DIPE)	ND		5.0		ug/Kg			06/07/12 02:56	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0		ug/Kg			06/07/12 02:56	1
Tert-amyl-methyl ether (TAME)	ND		5.0		ug/Kg			06/07/12 02:56	1
Ethyl-t-butyl ether (ETBE)	ND		5.0		ug/Kg			06/07/12 02:56	1
Hexachlorobutadiene	ND		5.0		ug/Kg			06/07/12 02:56	1
m,p-Xylene	**8.0**		2.0		ug/Kg			06/07/12 02:56	1
Methylene Chloride	ND		20		ug/Kg			06/07/12 02:56	1
Naphthalene	ND		5.0		ug/Kg			06/07/12 02:56	1
n-Butylbenzene	ND		5.0		ug/Kg			06/07/12 02:56	1
N-Propylbenzene	ND		2.0		ug/Kg			06/07/12 02:56	1
o-Xylene	**3.5**		2.0		ug/Kg			06/07/12 02:56	1
sec-Butylbenzene	ND		5.0		ug/Kg			06/07/12 02:56	1
Styrene	ND		2.0		ug/Kg			06/07/12 02:56	1
tert-Butyl alcohol (TBA)	ND		100		ug/Kg			06/07/12 02:56	1
tert-Butylbenzene	ND		5.0		ug/Kg			06/07/12 02:56	1
Tetrachloroethene	ND		2.0		ug/Kg			06/07/12 02:56	1
Toluene	ND		2.0		ug/Kg			06/07/12 02:56	1
trans-1,2-Dichloroethene	ND		2.0		ug/Kg			06/07/12 02:56	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg			06/07/12 02:56	1
Trichloroethene	ND		2.0		ug/Kg			06/07/12 02:56	1
Trichlorofluoromethane	ND		5.0		ug/Kg			06/07/12 02:56	1
Vinyl chloride	ND		5.0		ug/Kg			06/07/12 02:56	1
Xylenes, Total	**12**		4.0		ug/Kg			06/07/12 02:56	1
Acetone	**15**		10		ug/Kg			06/07/12 02:56	1
2-Hexanone	ND		25		ug/Kg			06/07/12 02:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/Kg			06/07/12 02:56	1
2-Butanone (MEK)	ND		10		ug/Kg			06/07/12 02:56	1
Isopropylbenzene	ND		2.0		ug/Kg			06/07/12 02:56	1
1,2,3-Trichloropropane	ND		10		ug/Kg			06/07/12 02:56	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			06/07/12 02:56	1
Ethanol	ND		300		ug/Kg			06/07/12 02:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*06/07/12 02:56*	*1*
Dibromofluoromethane (Surr)	*89*		*80 - 125*		*06/07/12 02:56*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/07/12 02:56*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		390		ug/Kg			06/06/12 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*65 - 140*		*06/06/12 14:48*	*1*

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-16-1

Lab Sample ID: 440-13562-75

Date Collected: 06/03/12 11:55
Matrix: Solid
Date Received: 06/04/12 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	560		50		mg/Kg		06/06/12 07:52	06/07/12 15:44	10
ORO (C29-C40)	52		50		mg/Kg		06/06/12 07:52	06/07/12 15:44	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*89*		*40 - 140*	*06/06/12 07:52*	*06/07/12 15:44*	*10*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16		mg/Kg		06/11/12 12:00	06/11/12 20:19	1
Arsenic	8.0		2.1		mg/Kg		06/11/12 12:00	06/11/12 20:19	1
Barium	110		0.52		mg/Kg		06/11/12 12:00	06/11/12 20:19	1
Beryllium	0.47		0.21		mg/Kg		06/11/12 12:00	06/11/12 20:19	1
Cadmium	ND		0.21		mg/Kg		06/11/12 12:00	06/11/12 20:19	1
Chromium	4.8		0.52		mg/Kg		06/11/12 12:00	06/11/12 20:19	1
Cobalt	3.2		0.52		mg/Kg		06/11/12 12:00	06/11/12 20:19	1
Copper	7.0		1.0		mg/Kg		06/11/12 12:00	06/11/12 20:19	1
Lead	7.4		1.0		mg/Kg		06/11/12 12:00	06/11/12 20:19	1
Molybdenum	ND		1.0		mg/Kg		06/11/12 12:00	06/11/12 20:19	1
Nickel	ND		5.2		mg/Kg		06/11/12 12:00	06/11/12 20:19	1
Selenium	ND		4.2		mg/Kg		06/11/12 12:00	06/11/12 20:19	1
Silver	ND		0.52		mg/Kg		06/11/12 12:00	06/11/12 20:19	1
Thallium	ND		6.3		mg/Kg		06/11/12 12:00	06/11/12 20:19	1
Vanadium	13		0.52		mg/Kg		06/11/12 12:00	06/11/12 20:19	1
Zinc	29		2.1		mg/Kg		06/11/12 12:00	06/11/12 20:19	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.020		mg/Kg		06/11/12 11:20	06/11/12 13:40	1

Client Sample ID: SB-16-2

Lab Sample ID: 440-13562-76

Date Collected: 06/03/12 11:55
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		14		mg/Kg		06/11/12 12:00	06/11/12 20:22	1
Arsenic	5.1		1.8		mg/Kg		06/11/12 12:00	06/11/12 20:22	1
Barium	53		0.46		mg/Kg		06/11/12 12:00	06/11/12 20:22	1
Beryllium	0.30		0.18		mg/Kg		06/11/12 12:00	06/11/12 20:22	1
Cadmium	ND		0.18		mg/Kg		06/11/12 12:00	06/11/12 20:22	1
Chromium	8.2		0.46		mg/Kg		06/11/12 12:00	06/11/12 20:22	1
Cobalt	3.6		0.46		mg/Kg		06/11/12 12:00	06/11/12 20:22	1
Copper	4.8		0.91		mg/Kg		06/11/12 12:00	06/11/12 20:22	1
Lead	7.9		0.91		mg/Kg		06/11/12 12:00	06/11/12 20:22	1
Molybdenum	ND		0.91		mg/Kg		06/11/12 12:00	06/11/12 20:22	1
Nickel	ND		4.6		mg/Kg		06/11/12 12:00	06/11/12 20:22	1
Selenium	ND		3.7		mg/Kg		06/11/12 12:00	06/11/12 20:22	1
Silver	ND		0.46		mg/Kg		06/11/12 12:00	06/11/12 20:22	1
Thallium	ND		5.5		mg/Kg		06/11/12 12:00	06/11/12 20:22	1
Vanadium	20		0.46		mg/Kg		06/11/12 12:00	06/11/12 20:22	1
Zinc	20		1.8		mg/Kg		06/11/12 12:00	06/11/12 20:22	1

Client Sample ID: SB-16-2

Lab Sample ID: 440-13562-76

Date Collected: 06/03/12 11:55
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.020		mg/Kg		06/11/12 11:20	06/11/12 13:41	1

Client Sample ID: SB-16-3

Lab Sample ID: 440-13562-77

Date Collected: 06/03/12 11:55
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15		mg/Kg		06/11/12 12:00	06/11/12 20:29	1
Arsenic	**5.5**		2.0		mg/Kg		06/11/12 12:00	06/11/12 20:29	1
Barium	**78**		0.49		mg/Kg		06/11/12 12:00	06/11/12 20:29	1
Beryllium	**0.30**		0.20		mg/Kg		06/11/12 12:00	06/11/12 20:29	1
Cadmium	ND		0.20		mg/Kg		06/11/12 12:00	06/11/12 20:29	1
Chromium	**8.1**		0.49		mg/Kg		06/11/12 12:00	06/11/12 20:29	1
Cobalt	**3.4**		0.49		mg/Kg		06/11/12 12:00	06/11/12 20:29	1
Copper	**5.0**		0.98		mg/Kg		06/11/12 12:00	06/11/12 20:29	1
Lead	**9.6**		0.98		mg/Kg		06/11/12 12:00	06/11/12 20:29	1
Molybdenum	ND		0.98		mg/Kg		06/11/12 12:00	06/11/12 20:29	1
Nickel	ND		4.9		mg/Kg		06/11/12 12:00	06/11/12 20:29	1
Selenium	ND		3.9		mg/Kg		06/11/12 12:00	06/11/12 20:29	1
Silver	ND		0.49		mg/Kg		06/11/12 12:00	06/11/12 20:29	1
Thallium	ND		5.9		mg/Kg		06/11/12 12:00	06/11/12 20:29	1
Vanadium	**19**		0.49		mg/Kg		06/11/12 12:00	06/11/12 20:29	1
Zinc	**22**		2.0		mg/Kg		06/11/12 12:00	06/11/12 20:29	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.020		mg/Kg		06/11/12 11:20	06/11/12 13:42	1

Client Sample ID: SB-16-5

Lab Sample ID: 440-13562-79

Date Collected: 06/03/12 11:55
Matrix: Solid
Date Received: 06/04/12 17:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
1,1,1-Trichloroethane	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
1,1,2-Trichloroethane	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
1,1-Dichloroethane	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
1,1-Dichloroethene	ND		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
1,1-Dichloropropene	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
1,2,3-Trichlorobenzene	ND		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
1,2,4-Trimethylbenzene	**980**		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
1,2-Dibromo-3-Chloropropane	ND		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
1,2-Dibromoethane (EDB)	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
1,2-Dichlorobenzene	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
1,2-Dichloroethane	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
1,2-Dichloropropane	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
1,3,5-Trimethylbenzene	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
1,3-Dichlorobenzene	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
1,3-Dichloropropane	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-16-5
Date Collected: 06/03/12 11:55
Date Received: 06/04/12 17:30

Lab Sample ID: 440-13562-79
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
2,2-Dichloropropane	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
2-Chlorotoluene	ND		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
4-Chlorotoluene	ND		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
p-Isopropyltoluene	**210**		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Benzene	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Bromobenzene	ND		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Dibromochloromethane	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Bromochloromethane	ND		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Bromoform	ND		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Bromomethane	ND		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Carbon tetrachloride	ND		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Chlorobenzene	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Chloroethane	ND		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Chloroform	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Chloromethane	ND		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
cis-1,2-Dichloroethene	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
cis-1,3-Dichloropropene	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Bromodichloromethane	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Dibromomethane	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Dichlorodifluoromethane	ND		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Ethylbenzene	**390**		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Isopropyl Ether (DIPE)	ND		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Methyl-t-Butyl Ether (MTBE)	ND		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Tert-amyl-methyl ether (TAME)	ND		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Ethyl-t-butyl ether (ETBE)	ND		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Hexachlorobutadiene	ND		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
m,p-Xylene	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Methylene Chloride	ND		1000		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Naphthalene	**790**		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
n-Butylbenzene	ND		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
N-Propylbenzene	**350**		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
o-Xylene	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
sec-Butylbenzene	ND		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Styrene	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
tert-Butyl alcohol (TBA)	ND		5000		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
tert-Butylbenzene	ND		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Tetrachloroethene	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Toluene	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
trans-1,2-Dichloroethene	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
trans-1,3-Dichloropropene	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Trichloroethene	ND		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Trichlorofluoromethane	ND		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Vinyl chloride	ND		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Xylenes, Total	ND		200		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Acetone	ND		1500		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
2-Hexanone	ND		1200		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
4-Methyl-2-pentanone (MIBK)	ND		500		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
2-Butanone (MEK)	ND		1000		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Isopropylbenzene	**200**		100		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
1,2,3-Trichloropropane	ND		500		ug/Kg		06/07/12 22:34	06/08/12 12:33	100

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-16-5

Lab Sample ID: 440-13562-79

Date Collected: 06/03/12 11:55

Matrix: Solid

Date Received: 06/04/12 17:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		250		ug/Kg		06/07/12 22:34	06/08/12 12:33	100
Ethanol	ND		15000		ug/Kg		06/07/12 22:34	06/08/12 12:33	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*65 - 140*	*06/07/12 22:34*	*06/08/12 12:33*	*100*
Dibromofluoromethane (Surr)	*97*		*55 - 140*	*06/07/12 22:34*	*06/08/12 12:33*	*100*
Toluene-d8 (Surr)	*103*		*60 - 140*	*06/07/12 22:34*	*06/08/12 12:33*	*100*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	**260000**		190000		ug/Kg		06/07/12 10:31	06/07/12 16:58	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*65 - 140*	*06/07/12 10:31*	*06/07/12 16:58*	*500*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	**5900**		500		mg/Kg		06/06/12 07:52	06/07/12 15:03	100
ORO (C29-C40)	ND		500		mg/Kg		06/06/12 07:52	06/07/12 15:03	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*114*		*40 - 140*	*06/06/12 07:52*	*06/07/12 15:03*	*100*

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-1-2
Lab Sample ID: 440-13562-1
Date Collected: 06/03/12 08:20
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6204 g	50 mL	67916	06/11/12 11:20	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67986	06/11/12 13:49	JRK	TAL BUF
Total/NA	Prep	3050B			0.4706 g	50 mL	67900	06/11/12 12:00	SS	TAL BUF
Total/NA	Analysis	6010B		1			68055	06/11/12 18:17	LH	TAL BUF

Client Sample ID: SB-1-3
Lab Sample ID: 440-13562-2
Date Collected: 06/03/12 08:20
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6619 g	50 mL	67916	06/11/12 11:20	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67986	06/11/12 13:51	JRK	TAL BUF
Total/NA	Prep	3050B			0.5398 g	50 mL	67900	06/11/12 12:00	SS	TAL BUF
Total/NA	Analysis	6010B		1			68055	06/11/12 18:20	LH	TAL BUF

Client Sample ID: SB-2-1
Lab Sample ID: 440-13562-5
Date Collected: 06/03/12 08:40
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6408 g	50 mL	67916	06/11/12 11:20	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67986	06/11/12 13:57	JRK	TAL BUF
Total/NA	Prep	3050B			0.4752 g	50 mL	67900	06/11/12 12:00	SS	TAL BUF
Total/NA	Analysis	6010B		1			68055	06/11/12 18:27	LH	TAL BUF

Client Sample ID: SB-2-2
Lab Sample ID: 440-13562-6
Date Collected: 06/03/12 08:40
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.5889 g	50 mL	67916	06/11/12 11:20	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67986	06/11/12 14:02	JRK	TAL BUF
Total/NA	Prep	3050B			0.4816 g	50 mL	67900	06/11/12 12:00	SS	TAL BUF
Total/NA	Analysis	6010B		1			68055	06/11/12 18:43	LH	TAL BUF

Client Sample ID: SB-2-3
Lab Sample ID: 440-13562-7
Date Collected: 06/03/12 08:40
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			.5955 g	50 mL	67916	06/11/12 11:20	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67986	06/11/12 14:03	JRK	TAL BUF
Total/NA	Prep	3050B			0.5306 g	50 mL	67900	06/11/12 12:00	SS	TAL BUF
Total/NA	Analysis	6010B		1			68055	06/11/12 18:46	LH	TAL BUF

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-3-1 — Lab Sample ID: 440-13562-10

Date Collected: 06/03/12 08:50 — **Matrix: Solid**
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6684 g	50 mL	67916	06/11/12 11:20	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67986	06/11/12 14:07	JRK	TAL BUF
Total/NA	Prep	3050B			0.4852 g	50 mL	67900	06/11/12 12:00	SS	TAL BUF
Total/NA	Analysis	6010B		1			68055	06/11/12 18:53	LH	TAL BUF

Client Sample ID: SB-3-2 — Lab Sample ID: 440-13562-11

Date Collected: 06/03/12 08:50 — **Matrix: Solid**
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6139 g	50 mL	67916	06/11/12 11:20	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67986	06/11/12 14:11	JRK	TAL BUF
Total/NA	Prep	3050B			0.4605 g	50 mL	67900	06/11/12 12:00	SS	TAL BUF
Total/NA	Analysis	6010B		1			68055	06/11/12 18:55	LH	TAL BUF

Client Sample ID: SB-3-3 — Lab Sample ID: 440-13562-12

Date Collected: 06/03/12 08:50 — **Matrix: Solid**
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6617 g	50 mL	67916	06/11/12 11:20	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67986	06/11/12 14:12	JRK	TAL BUF
Total/NA	Prep	3050B			0.4883 g	50 mL	67900	06/11/12 12:00	SS	TAL BUF
Total/NA	Analysis	6010B		1			68055	06/11/12 18:57	LH	TAL BUF

Client Sample ID: SB-4-1 — Lab Sample ID: 440-13562-15

Date Collected: 06/03/12 09:00 — **Matrix: Solid**
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6426 g	50 mL	67916	06/11/12 11:20	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67986	06/11/12 14:16	JRK	TAL BUF
Total/NA	Prep	3050B			0.5251 g	50 mL	67900	06/11/12 12:00	SS	TAL BUF
Total/NA	Analysis	6010B		1			68055	06/11/12 19:09	LH	TAL BUF

Client Sample ID: SB-4-2 — Lab Sample ID: 440-13562-16

Date Collected: 06/03/12 09:00 — **Matrix: Solid**
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6609 g	50 mL	67916	06/11/12 11:20	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67986	06/11/12 14:17	JRK	TAL BUF
Total/NA	Prep	3050B			0.5154 g	50 mL	67900	06/11/12 12:00	SS	TAL BUF
Total/NA	Analysis	6010B		1			68055	06/11/12 19:11	LH	TAL BUF

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-4-3 — Lab Sample ID: 440-13562-17

Date Collected: 06/03/12 09:00 — **Matrix: Solid**
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6444 g	50 mL	67916	06/11/12 11:20	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67986	06/11/12 14:19	JRK	TAL BUF
Total/NA	Prep	3050B			0.4650 g	50 mL	67900	06/11/12 12:00	SS	TAL BUF
Total/NA	Analysis	6010B		1			68055	06/11/12 19:13	LH	TAL BUF

Client Sample ID: SB-5-1 — Lab Sample ID: 440-13562-20

Date Collected: 06/03/12 09:13 — **Matrix: Solid**
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6446 g	50 mL	67702	06/08/12 15:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67849	06/08/12 16:08	JRK	TAL BUF
Total/NA	Prep	3050B			0.5242 g	50 mL	67697	06/08/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1			67963	06/11/12 09:53	LH	TAL BUF

Client Sample ID: SB-5-2 — Lab Sample ID: 440-13562-21

Date Collected: 06/03/12 09:13 — **Matrix: Solid**
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6104 g	50 mL	67702	06/08/12 15:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67849	06/08/12 16:09	JRK	TAL BUF
Total/NA	Prep	3050B			0.4935 g	50 mL	67697	06/08/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1			67963	06/11/12 09:55	LH	TAL BUF

Client Sample ID: SB-5-3 — Lab Sample ID: 440-13562-22

Date Collected: 06/03/12 09:13 — **Matrix: Solid**
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.5952 g	50 mL	67702	06/08/12 15:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67849	06/08/12 16:14	JRK	TAL BUF
Total/NA	Prep	3050B			0.4969 g	50 mL	67697	06/08/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1			67963	06/11/12 10:11	LH	TAL BUF

Client Sample ID: SB-6-1 — Lab Sample ID: 440-13562-25

Date Collected: 06/03/12 09:25 — **Matrix: Solid**
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6125 g	50 mL	67702	06/08/12 15:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67849	06/08/12 16:21	JRK	TAL BUF
Total/NA	Prep	3050B			0.4704 g	50 mL	67697	06/08/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1			67963	06/11/12 10:18	LH	TAL BUF

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-6-1 — Lab Sample ID: 440-13562-25

Date Collected: 06/03/12 09:25 — **Matrix: Solid**
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			50.14 g	1002.8 mL	68510	06/14/12 16:11	MRB	TAL BUF
TCLP	Prep	3010A			50 mL	50 mL	68648	06/15/12 12:00	SS	TAL BUF
TCLP	Analysis	6010B		1			68841	06/16/12 01:31	LH	TAL BUF

Client Sample ID: SB-6-2 — Lab Sample ID: 440-13562-26

Date Collected: 06/03/12 09:25 — **Matrix: Solid**
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.5955 g	50 mL	67702	06/08/12 15:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67849	06/08/12 16:22	JRK	TAL BUF
Total/NA	Prep	3050B			0.4966 g	50 mL	67697	06/08/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1			67963	06/11/12 10:21	LH	TAL BUF

Client Sample ID: SB-6-3 — Lab Sample ID: 440-13562-27

Date Collected: 06/03/12 09:25 — **Matrix: Solid**
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6538 g	50 mL	67702	06/08/12 15:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67849	06/08/12 16:23	JRK	TAL BUF
Total/NA	Prep	3050B			0.4899 g	50 mL	67697	06/08/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1			67963	06/11/12 10:23	LH	TAL BUF

Client Sample ID: SB-7-1 — Lab Sample ID: 440-13562-30

Date Collected: 06/03/12 09:40 — **Matrix: Solid**
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.05 g	500 mL	32464	06/12/12 21:30	CH	TAL IRV
STLC Citrate	Analysis	6010B		20	1.0 mL	1.0 mL	33217	06/15/12 13:07	FR	TAL IRV
Total/NA	Prep	7471A			0.5971 g	50 mL	67702	06/08/12 15:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67849	06/08/12 16:26	JRK	TAL BUF
Total/NA	Prep	3050B			0.4711 g	50 mL	67697	06/08/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1			67963	06/11/12 10:35	LH	TAL BUF

Client Sample ID: SB-7-2 — Lab Sample ID: 440-13562-31

Date Collected: 06/03/12 09:40 — **Matrix: Solid**
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6282 g	50 mL	67702	06/08/12 15:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67849	06/08/12 16:28	JRK	TAL BUF
Total/NA	Prep	3050B			0.4868 g	50 mL	67697	06/08/12 15:30	SS	TAL BUF

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-7-2 — Lab Sample ID: 440-13562-31

Date Collected: 06/03/12 09:40 — **Matrix: Solid**
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		1			67963	06/11/12 10:37	LH	TAL BUF

Client Sample ID: SB-7-3 — Lab Sample ID: 440-13562-32

Date Collected: 06/03/12 09:40 — **Matrix: Solid**
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6607 g	50 mL	67702	06/08/12 15:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67849	06/08/12 16:30	JRK	TAL BUF
Total/NA	Prep	3050B			0.4998 g	50 mL	67697	06/08/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1			67963	06/11/12 10:40	LH	TAL BUF

Client Sample ID: SB-8-1 — Lab Sample ID: 440-13562-35

Date Collected: 06/03/12 09:50 — **Matrix: Solid**
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6436 g	50 mL	67702	06/08/12 15:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67849	06/08/12 16:37	JRK	TAL BUF
Total/NA	Prep	3050B			0.4542 g	50 mL	67697	06/08/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1			67963	06/11/12 10:47	LH	TAL BUF

Client Sample ID: SB-8-2 — Lab Sample ID: 440-13562-36

Date Collected: 06/03/12 09:50 — **Matrix: Solid**
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6083 g	50 mL	67702	06/08/12 15:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67849	06/08/12 16:39	JRK	TAL BUF
Total/NA	Prep	3050B			0.4966 g	50 mL	67697	06/08/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1			67963	06/11/12 10:49	LH	TAL BUF

Client Sample ID: SB-8-3 — Lab Sample ID: 440-13562-37

Date Collected: 06/03/12 09:50 — **Matrix: Solid**
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6676 g	50 mL	67702	06/08/12 15:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67849	06/08/12 16:40	JRK	TAL BUF
Total/NA	Prep	3050B			0.4570 g	50 mL	67697	06/08/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1			67963	06/11/12 10:51	LH	TAL BUF

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-9-1

Lab Sample ID: 440-13562-40

Date Collected: 06/03/12 10:00
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	1.01 g	10 mL	31174	06/07/12 01:33	YK	TAL IRV
Total/NA	Analysis	8015B		1	5.1 g	10 mL	31060	06/06/12 16:09	RG	TAL IRV
Total/NA	Prep	CA LUFT			30.04 g	2 mL	30834	06/05/12 15:17	TM	TAL IRV
Total/NA	Analysis	8015B		10			31433	06/07/12 12:00	ES	TAL IRV
Total/NA	Prep	7471A			0.5973 g	50 mL	67704	06/08/12 15:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67849	06/08/12 16:47	JRK	TAL BUF
Total/NA	Prep	3050B			0.4513 g	50 mL	67698	06/08/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1			67964	06/11/12 11:08	LH	TAL BUF

Client Sample ID: SB-9-2

Lab Sample ID: 440-13562-41

Date Collected: 06/03/12 10:00
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6114 g	50 mL	67704	06/08/12 15:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67849	06/08/12 16:48	JRK	TAL BUF
Total/NA	Prep	3050B			0.5380 g	50 mL	67698	06/08/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1			67964	06/11/12 11:10	LH	TAL BUF

Client Sample ID: SB-9-3

Lab Sample ID: 440-13562-42

Date Collected: 06/03/12 10:00
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.5984 g	50 mL	67704	06/08/12 15:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67849	06/08/12 16:50	JRK	TAL BUF
Total/NA	Prep	3050B			0.5338 g	50 mL	67698	06/08/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1			67964	06/11/12 11:13	LH	TAL BUF

Client Sample ID: SB-9-5

Lab Sample ID: 440-13562-44

Date Collected: 06/03/12 10:15
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			10.02 g	10 mL	31275	06/07/12 07:47	HR	TAL IRV
Total/NA	Analysis	8260B		100			31263	06/07/12 13:01	KK	TAL IRV
Total/NA	Prep	5030B			5.11 g	5 mL	31356	06/07/12 10:31	IM	TAL IRV
Total/NA	Analysis	8015B		1000			31271	06/07/12 12:44	TL	TAL IRV
Total/NA	Prep	CA LUFT			10.01 g	1 mL	30834	06/05/12 15:17	TM	TAL IRV
Total/NA	Analysis	8015B		25			31433	06/07/12 12:21	ES	TAL IRV

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-10-1
Lab Sample ID: 440-13562-45
Date Collected: 06/03/12 10:15
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6340 g	50 mL	67704	06/08/12 15:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67849	06/08/12 16:59	JRK	TAL BUF
Total/NA	Prep	3050B			0.4536 g	50 mL	67698	06/08/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1			67964	06/11/12 11:34	LH	TAL BUF

Client Sample ID: SB-10-2
Lab Sample ID: 440-13562-46
Date Collected: 06/03/12 10:15
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6016 g	50 mL	67704	06/08/12 15:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67849	06/08/12 17:00	JRK	TAL BUF
Total/NA	Prep	3050B			0.4766 g	50 mL	67698	06/08/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1			67964	06/11/12 11:36	LH	TAL BUF

Client Sample ID: SB-10-3
Lab Sample ID: 440-13562-47
Date Collected: 06/03/12 10:15
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6315 g	50 mL	67704	06/08/12 15:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67849	06/08/12 17:01	JRK	TAL BUF
Total/NA	Prep	3050B			0.4583 g	50 mL	67698	06/08/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1			67964	06/11/12 11:38	LH	TAL BUF

Client Sample ID: SB-11-1
Lab Sample ID: 440-13562-50
Date Collected: 06/03/12 10:40
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6680 g	50 mL	67704	06/08/12 15:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67849	06/08/12 17:07	JRK	TAL BUF
Total/NA	Prep	3050B			0.5297 g	50 mL	67698	06/08/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1			67964	06/11/12 11:45	LH	TAL BUF

Client Sample ID: SB-11-2
Lab Sample ID: 440-13562-51
Date Collected: 06/03/12 10:40
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6687 g	50 mL	67704	06/08/12 15:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67849	06/08/12 17:08	JRK	TAL BUF
Total/NA	Prep	3050B			0.5403 g	50 mL	67698	06/08/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1			67964	06/11/12 11:48	LH	TAL BUF

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-11-3
Lab Sample ID: 440-13562-52
Date Collected: 06/03/12 10:40
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.5942 g	50 mL	67704	06/08/12 15:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67849	06/08/12 17:09	JRK	TAL BUF
Total/NA	Prep	3050B			0.5239 g	50 mL	67698	06/08/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1			67964	06/11/12 11:50	LH	TAL BUF

Client Sample ID: SB-12-1
Lab Sample ID: 440-13562-55
Date Collected: 06/03/12 10:50
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6160 g	50 mL	67704	06/08/12 15:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67849	06/08/12 17:14	JRK	TAL BUF
Total/NA	Prep	3050B			0.5168 g	50 mL	67698	06/08/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1			67964	06/11/12 12:02	LH	TAL BUF

Client Sample ID: SB-12-2
Lab Sample ID: 440-13562-56
Date Collected: 06/03/12 10:50
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6448 g	50 mL	67704	06/08/12 15:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67849	06/08/12 17:15	JRK	TAL BUF
Total/NA	Prep	3050B			0.4534 g	50 mL	67698	06/08/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1			67964	06/11/12 12:04	LH	TAL BUF

Client Sample ID: SB-12-3
Lab Sample ID: 440-13562-57
Date Collected: 06/03/12 10:50
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6857 g	50 mL	67704	06/08/12 15:00	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67849	06/08/12 17:17	JRK	TAL BUF
Total/NA	Prep	3050B			0.4636 g	50 mL	67698	06/08/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1			67964	06/11/12 12:06	LH	TAL BUF

Client Sample ID: SB-13-1
Lab Sample ID: 440-13562-60
Date Collected: 06/03/12 11:12
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6219 g	50 mL	67915	06/11/12 11:20	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67986	06/11/12 13:10	JRK	TAL BUF
Total/NA	Prep	3050B			0.5116 g	50 mL	67893	06/11/12 12:00	SS	TAL BUF
Total/NA	Analysis	6010B		1			68056	06/11/12 19:25	LH	TAL BUF

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-13-2 — Lab Sample ID: 440-13562-61

Date Collected: 06/03/12 11:12 — **Matrix: Solid**
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.5874 g	50 mL	67915	06/11/12 11:20	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67986	06/11/12 13:11	JRK	TAL BUF
Total/NA	Prep	3050B			0.4742 g	50 mL	67893	06/11/12 12:00	SS	TAL BUF
Total/NA	Analysis	6010B		1			68056	06/11/12 19:32	LH	TAL BUF
TCLP	Leach	1311			50.00 g	1000 mL	68510	06/14/12 16:11	MRB	TAL BUF
TCLP	Prep	3010A			50 mL	50 mL	68648	06/15/12 12:00	SS	TAL BUF
TCLP	Analysis	6010B		1			68841	06/16/12 01:34	LH	TAL BUF

Client Sample ID: SB-13-3 — Lab Sample ID: 440-13562-62

Date Collected: 06/03/12 11:12 — **Matrix: Solid**
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6526 g	50 mL	67915	06/11/12 11:20	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67986	06/11/12 13:16	JRK	TAL BUF
Total/NA	Prep	3050B			0.5355 g	50 mL	67893	06/11/12 12:00	SS	TAL BUF
Total/NA	Analysis	6010B		1			68056	06/11/12 19:43	LH	TAL BUF

Client Sample ID: SB-14-1 — Lab Sample ID: 440-13562-65

Date Collected: 06/03/12 11:20 — **Matrix: Solid**
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.5917 g	50 mL	67915	06/11/12 11:20	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67986	06/11/12 13:23	JRK	TAL BUF
Total/NA	Prep	3050B			0.4635 g	50 mL	67893	06/11/12 12:00	SS	TAL BUF
Total/NA	Analysis	6010B		1			68056	06/11/12 19:51	LH	TAL BUF

Client Sample ID: SB-14-2 — Lab Sample ID: 440-13562-66

Date Collected: 06/03/12 11:20 — **Matrix: Solid**
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.5850 g	50 mL	67915	06/11/12 11:20	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67986	06/11/12 13:25	JRK	TAL BUF
Total/NA	Prep	3050B			0.4981 g	50 mL	67893	06/11/12 12:00	SS	TAL BUF
Total/NA	Analysis	6010B		1			68056	06/11/12 19:53	LH	TAL BUF

Client Sample ID: SB-14-3 — Lab Sample ID: 440-13562-67

Date Collected: 06/03/12 11:20 — **Matrix: Solid**
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	2.03 g	10 mL	31174	06/07/12 02:00	YK	TAL IRV

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-14-3

Lab Sample ID: 440-13562-67

Date Collected: 06/03/12 11:20
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015B		1	1.39 g	10 mL	31060	06/06/12 16:36	RG	TAL IRV
Total/NA	Prep	CA LUFT			10.07 g	2 mL	30834	06/05/12 15:17	TM	TAL IRV
Total/NA	Analysis	8015B		5			31433	06/07/12 12:41	ES	TAL IRV
Total/NA	Prep	7471A			0.6646 g	50 mL	67915	06/11/12 11:20	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67986	06/11/12 13:27	JRK	TAL BUF
Total/NA	Prep	3050B			0.5136 g	50 mL	67893	06/11/12 12:00	SS	TAL BUF
Total/NA	Analysis	6010B		1			68056	06/11/12 20:00	LH	TAL BUF

Client Sample ID: SB-14-5

Lab Sample ID: 440-13562-69

Date Collected: 06/03/12 11:20
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			10.02 g	10 mL	31275	06/07/12 07:47	HR	TAL IRV
Total/NA	Analysis	8260B		100			31263	06/07/12 13:29	KK	TAL IRV
Total/NA	Prep	5030B			5.27 g	5 mL	31356	06/07/12 10:31	IM	TAL IRV
Total/NA	Analysis	8015B		400			31271	06/07/12 15:32	TL	TAL IRV
Total/NA	Prep	CA LUFT			10.07 g	1 mL	30834	06/05/12 15:17	TM	TAL IRV
Total/NA	Analysis	8015B		20			31433	06/07/12 11:20	ES	TAL IRV

Client Sample ID: SB-15-1

Lab Sample ID: 440-13562-70

Date Collected: 06/03/12 11:30
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6107 g	50 mL	67915	06/11/12 11:20	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67986	06/11/12 13:30	JRK	TAL BUF
Total/NA	Prep	3050B			0.5111 g	50 mL	67893	06/11/12 12:00	SS	TAL BUF
Total/NA	Analysis	6010B		1			68056	06/11/12 20:07	LH	TAL BUF

Client Sample ID: SB-15-2

Lab Sample ID: 440-13562-71

Date Collected: 06/03/12 11:30
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6035 g	50 mL	67915	06/11/12 11:20	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67986	06/11/12 13:31	JRK	TAL BUF
Total/NA	Prep	3050B			0.4715 g	50 mL	67893	06/11/12 12:00	SS	TAL BUF
Total/NA	Analysis	6010B		1			68056	06/11/12 20:10	LH	TAL BUF

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-15-3

Lab Sample ID: 440-13562-72

Date Collected: 06/03/12 11:30
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			10.28 g	10 mL	31275	06/07/12 22:34	HR	TAL IRV
Total/NA	Analysis	8260B		100			31612	06/08/12 13:38	SS	TAL IRV
Total/NA	Analysis	8015B		1	2.05 g	10 mL	31060	06/06/12 17:03	RG	TAL IRV
Total/NA	Prep	CA LUFT			30.00 g	2 mL	30987	06/06/12 07:52	AG	TAL IRV
Total/NA	Analysis	8015B		10			31433	06/07/12 15:24	ES	TAL IRV
Total/NA	Prep	7471A			0.6522 g	50 mL	67915	06/11/12 11:20	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67986	06/11/12 13:32	JRK	TAL BUF
Total/NA	Prep	3050B			0.5307 g	50 mL	67893	06/11/12 12:00	SS	TAL BUF
Total/NA	Analysis	6010B		1			68056	06/11/12 20:12	LH	TAL BUF

Client Sample ID: SB-15-5

Lab Sample ID: 440-13562-74

Date Collected: 06/03/12 11:55
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			10.33 g	10 mL	31275	06/07/12 22:34	HR	TAL IRV
Total/NA	Analysis	8260B		100			31612	06/08/12 12:04	SS	TAL IRV
Total/NA	Prep	5030B			5.31 g	5 mL	31356	06/07/12 10:31	IM	TAL IRV
Total/NA	Analysis	8015B		500			31271	06/07/12 13:38	TL	TAL IRV
Total/NA	Prep	CA LUFT			30.01 g	1 mL	30987	06/06/12 07:52	AG	TAL IRV
Total/NA	Analysis	8015B		100			31433	06/07/12 14:23	ES	TAL IRV

Client Sample ID: SB-16-1

Lab Sample ID: 440-13562-75

Date Collected: 06/03/12 11:55
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.02 g	10 mL	31174	06/07/12 02:56	YK	TAL IRV
Total/NA	Analysis	8015B		1	5.13 g	10 mL	31060	06/06/12 14:48	RG	TAL IRV
Total/NA	Prep	CA LUFT			30.00 g	1 mL	30987	06/06/12 07:52	AG	TAL IRV
Total/NA	Analysis	8015B		10			31433	06/07/12 15:44	ES	TAL IRV
Total/NA	Prep	7471A			0.6099 g	50 mL	67915	06/11/12 11:20	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67986	06/11/12 13:40	JRK	TAL BUF
Total/NA	Prep	3050B			0.4777 g	50 mL	67893	06/11/12 12:00	SS	TAL BUF
Total/NA	Analysis	6010B		1			68056	06/11/12 20:19	LH	TAL BUF

Client Sample ID: SB-16-2

Lab Sample ID: 440-13562-76

Date Collected: 06/03/12 11:55
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6045 g	50 mL	67915	06/11/12 11:20	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67986	06/11/12 13:41	JRK	TAL BUF
Total/NA	Prep	3050B			0.5476 g	50 mL	67893	06/11/12 12:00	SS	TAL BUF

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Client Sample ID: SB-16-2

Lab Sample ID: 440-13562-76

Date Collected: 06/03/12 11:55
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		1			68056	06/11/12 20:22	LH	TAL BUF

Client Sample ID: SB-16-3

Lab Sample ID: 440-13562-77

Date Collected: 06/03/12 11:55
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.5911 g	50 mL	67915	06/11/12 11:20	JRK	TAL BUF
Total/NA	Analysis	7471A		1			67986	06/11/12 13:42	JRK	TAL BUF
Total/NA	Prep	3050B			0.5077 g	50 mL	67893	06/11/12 12:00	SS	TAL BUF
Total/NA	Analysis	6010B		1			68056	06/11/12 20:29	LH	TAL BUF

Client Sample ID: SB-16-5

Lab Sample ID: 440-13562-79

Date Collected: 06/03/12 11:55
Matrix: Solid
Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			10.04 g	10 mL	31275	06/07/12 22:34	HR	TAL IRV
Total/NA	Analysis	8260B		100			31612	06/08/12 12:33	SS	TAL IRV
Total/NA	Prep	5030B			5.28 g	5 mL	31356	06/07/12 10:31	IM	TAL IRV
Total/NA	Analysis	8015B		500			31271	06/07/12 16:58	TL	TAL IRV
Total/NA	Prep	CA LUFT			30.04 g	1 mL	30987	06/06/12 07:52	AG	TAL IRV
Total/NA	Analysis	8015B		100			31433	06/07/12 15:03	ES	TAL IRV

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-31174/4
Matrix: Solid
Analysis Batch: 31174

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			06/06/12 20:27	1
1,1,1-Trichloroethane	ND		2.0		ug/Kg			06/06/12 20:27	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/Kg			06/06/12 20:27	1
1,1,2-Trichloroethane	ND		2.0		ug/Kg			06/06/12 20:27	1
1,1-Dichloroethane	ND		2.0		ug/Kg			06/06/12 20:27	1
1,1-Dichloroethene	ND		5.0		ug/Kg			06/06/12 20:27	1
1,1-Dichloropropene	ND		2.0		ug/Kg			06/06/12 20:27	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			06/06/12 20:27	1
1,2,4-Trimethylbenzene	ND		2.0		ug/Kg			06/06/12 20:27	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg			06/06/12 20:27	1
1,2-Dibromoethane (EDB)	ND		2.0		ug/Kg			06/06/12 20:27	1
1,2-Dichlorobenzene	ND		2.0		ug/Kg			06/06/12 20:27	1
1,2-Dichloroethane	ND		2.0		ug/Kg			06/06/12 20:27	1
1,2-Dichloropropane	ND		2.0		ug/Kg			06/06/12 20:27	1
1,3,5-Trimethylbenzene	ND		2.0		ug/Kg			06/06/12 20:27	1
1,3-Dichlorobenzene	ND		2.0		ug/Kg			06/06/12 20:27	1
1,3-Dichloropropane	ND		2.0		ug/Kg			06/06/12 20:27	1
1,4-Dichlorobenzene	ND		2.0		ug/Kg			06/06/12 20:27	1
2,2-Dichloropropane	ND		2.0		ug/Kg			06/06/12 20:27	1
2-Chlorotoluene	ND		5.0		ug/Kg			06/06/12 20:27	1
4-Chlorotoluene	ND		5.0		ug/Kg			06/06/12 20:27	1
p-Isopropyltoluene	ND		2.0		ug/Kg			06/06/12 20:27	1
Benzene	ND		2.0		ug/Kg			06/06/12 20:27	1
Bromobenzene	ND		5.0		ug/Kg			06/06/12 20:27	1
Dibromochloromethane	ND		2.0		ug/Kg			06/06/12 20:27	1
Bromochloromethane	ND		5.0		ug/Kg			06/06/12 20:27	1
Bromoform	ND		5.0		ug/Kg			06/06/12 20:27	1
Bromomethane	ND		5.0		ug/Kg			06/06/12 20:27	1
Carbon tetrachloride	ND		5.0		ug/Kg			06/06/12 20:27	1
Chlorobenzene	ND		2.0		ug/Kg			06/06/12 20:27	1
Chloroethane	ND		5.0		ug/Kg			06/06/12 20:27	1
Chloroform	ND		2.0		ug/Kg			06/06/12 20:27	1
Chloromethane	ND		5.0		ug/Kg			06/06/12 20:27	1
cis-1,2-Dichloroethene	ND		2.0		ug/Kg			06/06/12 20:27	1
cis-1,3-Dichloropropene	ND		2.0		ug/Kg			06/06/12 20:27	1
Bromodichloromethane	ND		2.0		ug/Kg			06/06/12 20:27	1
Dibromomethane	ND		2.0		ug/Kg			06/06/12 20:27	1
Dichlorodifluoromethane	ND		5.0		ug/Kg			06/06/12 20:27	1
Ethylbenzene	ND		2.0		ug/Kg			06/06/12 20:27	1
Isopropyl Ether (DIPE)	ND		5.0		ug/Kg			06/06/12 20:27	1
Methyl-t-Butyl Ether (MTBE)	ND		5.0		ug/Kg			06/06/12 20:27	1
Tert-amyl-methyl ether (TAME)	ND		5.0		ug/Kg			06/06/12 20:27	1
Ethyl-t-butyl ether (ETBE)	ND		5.0		ug/Kg			06/06/12 20:27	1
Hexachlorobutadiene	ND		5.0		ug/Kg			06/06/12 20:27	1
m,p-Xylene	ND		2.0		ug/Kg			06/06/12 20:27	1
Methylene Chloride	ND		20		ug/Kg			06/06/12 20:27	1
Naphthalene	ND		5.0		ug/Kg			06/06/12 20:27	1
n-Butylbenzene	ND		5.0		ug/Kg			06/06/12 20:27	1
N-Propylbenzene	ND		2.0		ug/Kg			06/06/12 20:27	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-31174/4
Matrix: Solid
Analysis Batch: 31174

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		2.0		ug/Kg			06/06/12 20:27	1
sec-Butylbenzene	ND		5.0		ug/Kg			06/06/12 20:27	1
Styrene	ND		2.0		ug/Kg			06/06/12 20:27	1
tert-Butyl alcohol (TBA)	ND		100		ug/Kg			06/06/12 20:27	1
tert-Butylbenzene	ND		5.0		ug/Kg			06/06/12 20:27	1
Tetrachloroethene	ND		2.0		ug/Kg			06/06/12 20:27	1
Toluene	ND		2.0		ug/Kg			06/06/12 20:27	1
trans-1,2-Dichloroethene	ND		2.0		ug/Kg			06/06/12 20:27	1
trans-1,3-Dichloropropene	ND		2.0		ug/Kg			06/06/12 20:27	1
Trichloroethene	ND		2.0		ug/Kg			06/06/12 20:27	1
Trichlorofluoromethane	ND		5.0		ug/Kg			06/06/12 20:27	1
Vinyl chloride	ND		5.0		ug/Kg			06/06/12 20:27	1
Xylenes, Total	ND		4.0		ug/Kg			06/06/12 20:27	1
Acetone	ND		10		ug/Kg			06/06/12 20:27	1
2-Hexanone	ND		25		ug/Kg			06/06/12 20:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/Kg			06/06/12 20:27	1
2-Butanone (MEK)	ND		10		ug/Kg			06/06/12 20:27	1
Isopropylbenzene	ND		2.0		ug/Kg			06/06/12 20:27	1
1,2,3-Trichloropropane	ND		10		ug/Kg			06/06/12 20:27	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			06/06/12 20:27	1
Ethanol	ND		300		ug/Kg			06/06/12 20:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*06/06/12 20:27*	*1*
Dibromofluoromethane (Surr)	*89*		*80 - 125*		*06/06/12 20:27*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/06/12 20:27*	*1*

Lab Sample ID: LCS 440-31174/5
Matrix: Solid
Analysis Batch: 31174

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	49.7		ug/Kg		99	70 - 130
1,1,1-Trichloroethane	50.0	46.4		ug/Kg		93	65 - 135
1,1,2,2-Tetrachloroethane	50.0	55.3		ug/Kg		111	55 - 140
1,1,2-Trichloroethane	50.0	51.7		ug/Kg		103	65 - 135
1,1-Dichloroethane	50.0	49.0		ug/Kg		98	70 - 130
1,1-Dichloroethene	50.0	49.5		ug/Kg		99	70 - 125
1,1-Dichloropropene	50.0	47.7		ug/Kg		95	70 - 130
1,2,3-Trichlorobenzene	50.0	56.2		ug/Kg		112	60 - 130
1,2,4-Trimethylbenzene	50.0	53.9		ug/Kg		108	70 - 125
1,2-Dibromo-3-Chloropropane	50.0	54.5		ug/Kg		109	50 - 135
1,2-Dibromoethane (EDB)	50.0	51.4		ug/Kg		103	70 - 130
1,2-Dichlorobenzene	50.0	51.7		ug/Kg		103	75 - 120
1,2-Dichloroethane	50.0	49.1		ug/Kg		98	60 - 140
1,2-Dichloropropane	50.0	50.3		ug/Kg		101	70 - 130
1,3,5-Trimethylbenzene	50.0	53.5		ug/Kg		107	70 - 125
1,3-Dichlorobenzene	50.0	50.2		ug/Kg		100	75 - 125
1,3-Dichloropropane	50.0	49.8		ug/Kg		100	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-31174/5
Matrix: Solid
Analysis Batch: 31174

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	50.0	49.8		ug/Kg		100	75 - 120
2,2-Dichloropropane	50.0	48.0		ug/Kg		96	60 - 145
2-Chlorotoluene	50.0	52.7		ug/Kg		105	70 - 125
4-Chlorotoluene	50.0	53.1		ug/Kg		106	75 - 125
p-Isopropyltoluene	50.0	52.4		ug/Kg		105	75 - 125
Benzene	50.0	50.3		ug/Kg		101	65 - 120
Bromobenzene	50.0	49.6		ug/Kg		99	75 - 120
Dibromochloromethane	50.0	51.0		ug/Kg		102	65 - 140
Bromochloromethane	50.0	53.0		ug/Kg		106	70 - 135
Bromoform	50.0	51.2		ug/Kg		102	55 - 135
Bromomethane	50.0	49.4		ug/Kg		99	60 - 145
Carbon tetrachloride	50.0	47.5		ug/Kg		95	65 - 140
Chlorobenzene	50.0	48.7		ug/Kg		97	75 - 120
Chloroethane	50.0	48.7		ug/Kg		97	60 - 140
Chloroform	50.0	48.6		ug/Kg		97	70 - 130
Chloromethane	50.0	50.4		ug/Kg		101	45 - 145
cis-1,2-Dichloroethene	50.0	54.4		ug/Kg		109	70 - 125
cis-1,3-Dichloropropene	50.0	50.2		ug/Kg		100	75 - 125
Bromodichloromethane	50.0	51.8		ug/Kg		104	70 - 135
Dibromomethane	50.0	51.2		ug/Kg		102	70 - 130
Dichlorodifluoromethane	50.0	57.3		ug/Kg		115	35 - 160
Ethylbenzene	50.0	50.5		ug/Kg		101	70 - 125
Isopropyl Ether (DIPE)	50.0	56.6		ug/Kg		113	60 - 140
Methyl-t-Butyl Ether (MTBE)	50.0	55.8		ug/Kg		112	60 - 140
Tert-amyl-methyl ether (TAME)	50.0	57.0		ug/Kg		114	60 - 145
Ethyl-t-butyl ether (ETBE)	50.0	56.3		ug/Kg		113	60 - 140
Hexachlorobutadiene	50.0	51.0		ug/Kg		102	60 - 135
m,p-Xylene	100	107		ug/Kg		107	70 - 125
Methylene Chloride	50.0	47.5		ug/Kg		95	55 - 135
Naphthalene	50.0	61.3		ug/Kg		123	55 - 135
n-Butylbenzene	50.0	53.1		ug/Kg		106	70 - 130
N-Propylbenzene	50.0	53.4		ug/Kg		107	70 - 130
o-Xylene	50.0	53.8		ug/Kg		108	70 - 125
sec-Butylbenzene	50.0	53.1		ug/Kg		106	70 - 125
Styrene	50.0	54.9		ug/Kg		110	75 - 130
tert-Butyl alcohol (TBA)	250	250		ug/Kg		100	70 - 135
tert-Butylbenzene	50.0	54.7		ug/Kg		109	70 - 125
Tetrachloroethene	50.0	47.7		ug/Kg		95	70 - 125
Toluene	50.0	50.2		ug/Kg		100	70 - 125
trans-1,2-Dichloroethene	50.0	49.8		ug/Kg		100	70 - 125
trans-1,3-Dichloropropene	50.0	62.2		ug/Kg		124	70 - 135
Trichloroethene	50.0	49.7		ug/Kg		99	70 - 125
Trichlorofluoromethane	50.0	47.2		ug/Kg		94	60 - 145
Vinyl chloride	50.0	47.0		ug/Kg		94	55 - 135
Acetone	50.0	51.4		ug/Kg		103	25 - 145
2-Hexanone	50.0	56.6		ug/Kg		113	40 - 150
4-Methyl-2-pentanone (MIBK)	50.0	60.4		ug/Kg		121	40 - 145
2-Butanone (MEK)	50.0	51.7		ug/Kg		103	40 - 145
Isopropylbenzene	50.0	54.2		ug/Kg		108	75 - 130
1,2,3-Trichloropropane	50.0	50.6		ug/Kg		101	60 - 135

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-31174/5
Matrix: Solid
Analysis Batch: 31174

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	50.0	55.3		ug/Kg		111	70 - 135
Ethanol	500	414		ug/Kg		83	35 - 160

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 125*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 440-13378-A-3 MS
Matrix: Solid
Analysis Batch: 31174

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		49.9	57.8		ug/Kg		116	65 - 145
1,1,1-Trichloroethane	ND		49.9	47.0		ug/Kg		94	65 - 145
1,1,2,2-Tetrachloroethane	ND		49.9	108	F	ug/Kg		215	40 - 160
1,1,2-Trichloroethane	ND		49.9	54.7		ug/Kg		110	65 - 140
1,1-Dichloroethane	ND		49.9	61.7		ug/Kg		124	65 - 135
1,1-Dichloroethene	ND		49.9	56.1		ug/Kg		112	65 - 135
1,1-Dichloropropene	ND		49.9	39.6		ug/Kg		79	65 - 135
1,2,3-Trichlorobenzene	ND		49.9	27.3		ug/Kg		55	45 - 145
1,2,4-Trimethylbenzene	ND		49.9	50.7		ug/Kg		102	65 - 140
1,2-Dibromo-3-Chloropropane	ND		49.9	79.8	F	ug/Kg		160	40 - 150
1,2-Dibromoethane (EDB)	ND		49.9	71.7	F	ug/Kg		144	65 - 140
1,2-Dichlorobenzene	ND		49.9	52.2		ug/Kg		105	70 - 130
1,2-Dichloroethane	ND		49.9	58.6		ug/Kg		117	60 - 150
1,2-Dichloropropane	ND		49.9	55.5		ug/Kg		111	65 - 130
1,3,5-Trimethylbenzene	ND		49.9	52.0		ug/Kg		104	65 - 135
1,3-Dichlorobenzene	ND		49.9	50.2		ug/Kg		101	70 - 130
1,3-Dichloropropane	ND		49.9	75.6	F	ug/Kg		152	65 - 140
1,4-Dichlorobenzene	ND		49.9	51.1		ug/Kg		102	70 - 130
2,2-Dichloropropane	ND		49.9	54.4		ug/Kg		109	65 - 150
2-Chlorotoluene	ND		49.9	60.8		ug/Kg		122	60 - 135
4-Chlorotoluene	ND		49.9	60.7		ug/Kg		122	65 - 135
p-Isopropyltoluene	ND		49.9	27.2	F	ug/Kg		55	60 - 140
Benzene	ND		49.9	53.4		ug/Kg		107	65 - 130
Bromobenzene	ND		49.9	74.4	F	ug/Kg		149	65 - 140
Dibromochloromethane	ND		49.9	67.4		ug/Kg		135	60 - 145
Bromochloromethane	ND		49.9	67.1		ug/Kg		135	65 - 145
Bromoform	ND		49.9	57.8		ug/Kg		116	50 - 145
Bromomethane	ND		49.9	62.9		ug/Kg		126	60 - 155
Carbon tetrachloride	ND		49.9	37.4		ug/Kg		75	60 - 145
Chlorobenzene	ND		49.9	51.7		ug/Kg		104	70 - 130
Chloroethane	ND		49.9	64.5		ug/Kg		129	60 - 150
Chloroform	ND		49.9	59.3		ug/Kg		119	65 - 135
Chloromethane	ND		49.9	67.1		ug/Kg		134	40 - 145
cis-1,2-Dichloroethene	ND		49.9	64.9		ug/Kg		130	65 - 135
cis-1,3-Dichloropropene	ND		49.9	48.4		ug/Kg		97	70 - 135
Bromodichloromethane	ND		49.9	53.5		ug/Kg		107	65 - 145

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-13378-A-3 MS
Matrix: Solid
Analysis Batch: 31174

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibromomethane	ND		49.9	57.3		ug/Kg		115	65 - 140
Dichlorodifluoromethane	ND		49.9	67.1		ug/Kg		135	30 - 160
Ethylbenzene	ND		49.9	45.8		ug/Kg		92	70 - 135
Isopropyl Ether (DIPE)	ND		49.9	76.8	F	ug/Kg		154	60 - 150
Methyl-t-Butyl Ether (MTBE)	ND		49.9	76.0		ug/Kg		152	55 - 155
Tert-amyl-methyl ether (TAME)	ND		49.9	77.3	F	ug/Kg		155	60 - 150
Ethyl-t-butyl ether (ETBE)	ND		49.9	75.8	F	ug/Kg		152	60 - 145
Hexachlorobutadiene	ND		49.9	19.2	F	ug/Kg		38	50 - 145
m,p-Xylene	ND		99.8	92.1		ug/Kg		92	70 - 130
Methylene Chloride	ND		49.9	68.0		ug/Kg		136	55 - 145
Naphthalene	ND		49.9	43.2		ug/Kg		87	40 - 150
n-Butylbenzene	ND		49.9	26.6	F	ug/Kg		53	55 - 145
N-Propylbenzene	ND		49.9	52.7		ug/Kg		106	65 - 140
o-Xylene	ND		49.9	50.3		ug/Kg		101	65 - 130
sec-Butylbenzene	ND		49.9	38.7		ug/Kg		78	60 - 135
Styrene	ND		49.9	49.9		ug/Kg		100	70 - 140
tert-Butyl alcohol (TBA)	ND		250	264		ug/Kg		106	65 - 145
tert-Butylbenzene	ND		49.9	46.8		ug/Kg		94	60 - 140
Tetrachloroethene	ND		49.9	38.9		ug/Kg		78	65 - 135
Toluene	ND		49.9	43.6		ug/Kg		87	70 - 130
trans-1,2-Dichloroethene	ND		49.9	59.9		ug/Kg		120	70 - 135
trans-1,3-Dichloropropene	ND		49.9	59.6		ug/Kg		120	60 - 145
Trichloroethene	ND		49.9	44.2		ug/Kg		89	65 - 140
Trichlorofluoromethane	ND		49.9	48.7		ug/Kg		98	55 - 155
Vinyl chloride	ND		49.9	61.2		ug/Kg		123	55 - 140
Acetone	ND		49.9	70.6		ug/Kg		141	20 - 145
2-Hexanone	ND		49.9	56.5		ug/Kg		113	35 - 160
4-Methyl-2-pentanone (MIBK)	ND		49.9	50.9		ug/Kg		102	40 - 155
2-Butanone (MEK)	ND		49.9	64.5		ug/Kg		129	25 - 170
Isopropylbenzene	ND		49.9	60.3		ug/Kg		121	70 - 145
1,2,3-Trichloropropane	ND		49.9	110	F	ug/Kg		221	50 - 150
1,2,4-Trichlorobenzene	ND		49.9	25.3		ug/Kg		51	50 - 140
Ethanol	ND		499	445		ug/Kg		89	30 - 165

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*80 - 120*
Dibromofluoromethane (Surr)	*114*		*80 - 125*
Toluene-d8 (Surr)	*88*		*80 - 120*

Lab Sample ID: 440-13378-A-3 MSD
Matrix: Solid
Analysis Batch: 31174

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		49.8	53.3		ug/Kg		107	65 - 145	8	20
1,1,1-Trichloroethane	ND		49.8	44.9		ug/Kg		90	65 - 145	5	20
1,1,2,2-Tetrachloroethane	ND		49.8	80.2	F	ug/Kg		161	40 - 160	29	30
1,1,2-Trichloroethane	ND		49.8	52.1		ug/Kg		105	65 - 140	5	30
1,1-Dichloroethane	ND		49.8	53.8		ug/Kg		108	65 - 135	14	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-13378-A-3 MSD
Matrix: Solid
Analysis Batch: 31174

Client Sample ID: Matrix Spike Duplicate
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		49.8	50.3		ug/Kg		101	65 - 135	11	25
1,1-Dichloropropene	ND		49.8	40.5		ug/Kg		81	65 - 135	2	20
1,2,3-Trichlorobenzene	ND		49.8	33.1		ug/Kg		67	45 - 145	19	30
1,2,4-Trimethylbenzene	ND		49.8	48.7		ug/Kg		98	65 - 140	4	25
1,2-Dibromo-3-Chloropropane	ND		49.8	74.2		ug/Kg		149	40 - 150	7	30
1,2-Dibromoethane (EDB)	ND		49.8	61.8		ug/Kg		124	65 - 140	15	25
1,2-Dichlorobenzene	ND		49.8	51.2		ug/Kg		103	70 - 130	2	25
1,2-Dichloroethane	ND		49.8	52.8		ug/Kg		106	60 - 150	10	25
1,2-Dichloropropane	ND		49.8	51.8		ug/Kg		104	65 - 130	7	20
1,3,5-Trimethylbenzene	ND		49.8	48.2		ug/Kg		97	65 - 135	7	25
1,3-Dichlorobenzene	ND		49.8	47.9		ug/Kg		96	70 - 130	5	25
1,3-Dichloropropane	ND		49.8	62.2		ug/Kg		125	65 - 140	19	25
1,4-Dichlorobenzene	ND		49.8	48.6		ug/Kg		98	70 - 130	5	25
2,2-Dichloropropane	ND		49.8	48.4		ug/Kg		97	65 - 150	12	25
2-Chlorotoluene	ND		49.8	54.1		ug/Kg		109	60 - 135	12	25
4-Chlorotoluene	ND		49.8	55.8		ug/Kg		112	65 - 135	8	25
p-Isopropyltoluene	ND		49.8	29.3	F	ug/Kg		59	60 - 140	7	25
Benzene	ND		49.8	49.5		ug/Kg		99	65 - 130	8	20
Bromobenzene	ND		49.8	63.3		ug/Kg		127	65 - 140	16	25
Dibromochloromethane	ND		49.8	59.9		ug/Kg		120	60 - 145	12	25
Bromochloromethane	ND		49.8	58.6		ug/Kg		118	65 - 145	14	25
Bromoform	ND		49.8	56.1		ug/Kg		113	50 - 145	3	30
Bromomethane	ND		49.8	52.9		ug/Kg		106	60 - 155	17	25
Carbon tetrachloride	ND		49.8	39.1		ug/Kg		79	60 - 145	5	25
Chlorobenzene	ND		49.8	49.3		ug/Kg		99	70 - 130	5	25
Chloroethane	ND		49.8	54.2		ug/Kg		109	60 - 150	17	25
Chloroform	ND		49.8	52.5		ug/Kg		105	65 - 135	12	20
Chloromethane	ND		49.8	54.1		ug/Kg		109	40 - 145	21	25
cis-1,2-Dichloroethene	ND		49.8	58.0		ug/Kg		116	65 - 135	11	25
cis-1,3-Dichloropropene	ND		49.8	48.0		ug/Kg		96	70 - 135	1	25
Bromodichloromethane	ND		49.8	51.3		ug/Kg		103	65 - 145	4	20
Dibromomethane	ND		49.8	53.0		ug/Kg		106	65 - 140	8	25
Dichlorodifluoromethane	ND		49.8	58.3		ug/Kg		117	30 - 160	14	35
Ethylbenzene	ND		49.8	45.6		ug/Kg		92	70 - 135	0	25
Isopropyl Ether (DIPE)	ND		49.8	66.3		ug/Kg		133	60 - 150	15	25
Methyl-t-Butyl Ether (MTBE)	ND		49.8	67.9		ug/Kg		136	55 - 155	11	35
Tert-amyl-methyl ether (TAME)	ND		49.8	69.4		ug/Kg		139	60 - 150	11	25
Ethyl-t-butyl ether (ETBE)	ND		49.8	67.5		ug/Kg		136	60 - 145	12	30
Hexachlorobutadiene	ND		49.8	17.1	F	ug/Kg		34	50 - 145	11	35
m,p-Xylene	ND		99.6	96.6		ug/Kg		97	70 - 130	5	25
Methylene Chloride	ND		49.8	57.5		ug/Kg		115	55 - 145	17	25
Naphthalene	ND		49.8	51.5		ug/Kg		103	40 - 150	18	40
n-Butylbenzene	ND		49.8	27.3		ug/Kg		55	55 - 145	3	30
N-Propylbenzene	ND		49.8	47.6		ug/Kg		96	65 - 140	10	25
o-Xylene	ND		49.8	49.9		ug/Kg		100	65 - 130	1	25
sec-Butylbenzene	ND		49.8	36.1		ug/Kg		72	60 - 135	7	25
Styrene	ND		49.8	52.0		ug/Kg		104	70 - 140	4	25
tert-Butyl alcohol (TBA)	ND		249	238		ug/Kg		96	65 - 145	10	30
tert-Butylbenzene	ND		49.8	43.9		ug/Kg		88	60 - 140	7	25
Tetrachloroethene	ND		49.8	40.3		ug/Kg		81	65 - 135	3	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-13378-A-3 MSD
Matrix: Solid
Analysis Batch: 31174

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	ND		49.8	45.0		ug/Kg		90	70 - 130	3	20
trans-1,2-Dichloroethene	ND		49.8	52.3		ug/Kg		105	70 - 135	14	25
trans-1,3-Dichloropropene	ND		49.8	59.5		ug/Kg		120	60 - 145	0	25
Trichloroethene	ND		49.8	44.2		ug/Kg		89	65 - 140	0	25
Trichlorofluoromethane	ND		49.8	45.7		ug/Kg		92	55 - 155	6	25
Vinyl chloride	ND		49.8	50.0		ug/Kg		100	55 - 140	20	30
Acetone	ND		49.8	71.2		ug/Kg		143	20 - 145	1	40
2-Hexanone	ND		49.8	54.0		ug/Kg		108	35 - 160	5	40
4-Methyl-2-pentanone (MIBK)	ND		49.8	51.7		ug/Kg		104	40 - 155	2	40
2-Butanone (MEK)	ND		49.8	62.2		ug/Kg		125	25 - 170	4	40
Isopropylbenzene	ND		49.8	53.3		ug/Kg		107	70 - 145	12	25
1,2,3-Trichloropropane	ND		49.8	78.5	F	ug/Kg		158	50 - 150	34	30
1,2,4-Trichlorobenzene	ND		49.8	32.7		ug/Kg		66	50 - 140	26	30
Ethanol	ND		498	466		ug/Kg		94	30 - 165	5	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*
Dibromofluoromethane (Surr)	*108*		*80 - 125*
Toluene-d8 (Surr)	*93*		*80 - 120*

Lab Sample ID: MB 440-31263/3
Matrix: Solid
Analysis Batch: 31263

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		250		ug/Kg			06/07/12 08:46	100
1,1,1-Trichloroethane	ND		100		ug/Kg			06/07/12 08:46	100
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg			06/07/12 08:46	100
1,1,2-Trichloroethane	ND		100		ug/Kg			06/07/12 08:46	100
1,1-Dichloroethane	ND		100		ug/Kg			06/07/12 08:46	100
1,1-Dichloroethene	ND		250		ug/Kg			06/07/12 08:46	100
1,1-Dichloropropene	ND		100		ug/Kg			06/07/12 08:46	100
1,2,3-Trichlorobenzene	ND		250		ug/Kg			06/07/12 08:46	100
1,2,4-Trimethylbenzene	ND		100		ug/Kg			06/07/12 08:46	100
1,2-Dibromo-3-Chloropropane	ND		250		ug/Kg			06/07/12 08:46	100
1,2-Dibromoethane (EDB)	ND		100		ug/Kg			06/07/12 08:46	100
1,2-Dichlorobenzene	ND		100		ug/Kg			06/07/12 08:46	100
1,2-Dichloroethane	ND		100		ug/Kg			06/07/12 08:46	100
1,2-Dichloropropane	ND		100		ug/Kg			06/07/12 08:46	100
1,3,5-Trimethylbenzene	ND		100		ug/Kg			06/07/12 08:46	100
1,3-Dichlorobenzene	ND		100		ug/Kg			06/07/12 08:46	100
1,3-Dichloropropane	ND		100		ug/Kg			06/07/12 08:46	100
1,4-Dichlorobenzene	ND		100		ug/Kg			06/07/12 08:46	100
2,2-Dichloropropane	ND		100		ug/Kg			06/07/12 08:46	100
2-Chlorotoluene	ND		250		ug/Kg			06/07/12 08:46	100
4-Chlorotoluene	ND		250		ug/Kg			06/07/12 08:46	100
p-Isopropyltoluene	ND		100		ug/Kg			06/07/12 08:46	100
Benzene	ND		100		ug/Kg			06/07/12 08:46	100
Bromobenzene	ND		250		ug/Kg			06/07/12 08:46	100

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-31263/3
Matrix: Solid
Analysis Batch: 31263

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		100		ug/Kg			06/07/12 08:46	100
Bromochloromethane	ND		250		ug/Kg			06/07/12 08:46	100
Bromoform	ND		250		ug/Kg			06/07/12 08:46	100
Bromomethane	ND		250		ug/Kg			06/07/12 08:46	100
Carbon tetrachloride	ND		250		ug/Kg			06/07/12 08:46	100
Chlorobenzene	ND		100		ug/Kg			06/07/12 08:46	100
Chloroethane	ND		250		ug/Kg			06/07/12 08:46	100
Chloroform	ND		100		ug/Kg			06/07/12 08:46	100
Chloromethane	ND		250		ug/Kg			06/07/12 08:46	100
cis-1,2-Dichloroethene	ND		100		ug/Kg			06/07/12 08:46	100
cis-1,3-Dichloropropene	ND		100		ug/Kg			06/07/12 08:46	100
Bromodichloromethane	ND		100		ug/Kg			06/07/12 08:46	100
Dibromomethane	ND		100		ug/Kg			06/07/12 08:46	100
Dichlorodifluoromethane	ND		250		ug/Kg			06/07/12 08:46	100
Ethylbenzene	ND		100		ug/Kg			06/07/12 08:46	100
Isopropyl Ether (DIPE)	ND		250		ug/Kg			06/07/12 08:46	100
Methyl-t-Butyl Ether (MTBE)	ND		250		ug/Kg			06/07/12 08:46	100
Tert-amyl-methyl ether (TAME)	ND		250		ug/Kg			06/07/12 08:46	100
Ethyl-t-butyl ether (ETBE)	ND		250		ug/Kg			06/07/12 08:46	100
Hexachlorobutadiene	ND		250		ug/Kg			06/07/12 08:46	100
m,p-Xylene	ND		100		ug/Kg			06/07/12 08:46	100
Methylene Chloride	ND		1000		ug/Kg			06/07/12 08:46	100
Naphthalene	ND		250		ug/Kg			06/07/12 08:46	100
n-Butylbenzene	ND		250		ug/Kg			06/07/12 08:46	100
N-Propylbenzene	ND		100		ug/Kg			06/07/12 08:46	100
o-Xylene	ND		100		ug/Kg			06/07/12 08:46	100
sec-Butylbenzene	ND		250		ug/Kg			06/07/12 08:46	100
Styrene	ND		100		ug/Kg			06/07/12 08:46	100
tert-Butyl alcohol (TBA)	ND		5000		ug/Kg			06/07/12 08:46	100
tert-Butylbenzene	ND		250		ug/Kg			06/07/12 08:46	100
Tetrachloroethene	ND		100		ug/Kg			06/07/12 08:46	100
Toluene	ND		100		ug/Kg			06/07/12 08:46	100
trans-1,2-Dichloroethene	ND		100		ug/Kg			06/07/12 08:46	100
trans-1,3-Dichloropropene	ND		100		ug/Kg			06/07/12 08:46	100
Trichloroethene	ND		100		ug/Kg			06/07/12 08:46	100
Trichlorofluoromethane	ND		250		ug/Kg			06/07/12 08:46	100
Vinyl chloride	ND		250		ug/Kg			06/07/12 08:46	100
Xylenes, Total	ND		200		ug/Kg			06/07/12 08:46	100
Acetone	ND		1500		ug/Kg			06/07/12 08:46	100
2-Hexanone	ND		1300		ug/Kg			06/07/12 08:46	100
4-Methyl-2-pentanone (MIBK)	ND		500		ug/Kg			06/07/12 08:46	100
2-Butanone (MEK)	ND		1000		ug/Kg			06/07/12 08:46	100
Isopropylbenzene	ND		100		ug/Kg			06/07/12 08:46	100
1,2,3-Trichloropropane	ND		500		ug/Kg			06/07/12 08:46	100
1,2,4-Trichlorobenzene	ND		250		ug/Kg			06/07/12 08:46	100
Ethanol	ND		15000		ug/Kg			06/07/12 08:46	100

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*65 - 140*		*06/07/12 08:46*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-31263/3
Matrix: Solid
Analysis Batch: 31263

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	86		55 - 140		06/07/12 08:46	100
Toluene-d8 (Surr)	97		60 - 140		06/07/12 08:46	100

Lab Sample ID: LCS 440-31263/4
Matrix: Solid
Analysis Batch: 31263

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	2500	2520		ug/Kg		101	70 - 140
1,1,1-Trichloroethane	2500	2270		ug/Kg		91	65 - 140
1,1,2,2-Tetrachloroethane	2500	2640		ug/Kg		105	55 - 135
1,1,2-Trichloroethane	2500	2480		ug/Kg		99	65 - 130
1,1-Dichloroethane	2500	2400		ug/Kg		96	65 - 130
1,1-Dichloroethene	2500	2500		ug/Kg		100	75 - 140
1,1-Dichloropropene	2500	2240		ug/Kg		89	70 - 130
1,2,3-Trichlorobenzene	2500	2920		ug/Kg		117	60 - 135
1,2,4-Trimethylbenzene	2500	2780		ug/Kg		111	70 - 125
1,2-Dibromo-3-Chloropropane	2500	2470		ug/Kg		99	45 - 135
1,2-Dibromoethane (EDB)	2500	2580		ug/Kg		103	70 - 130
1,2-Dichlorobenzene	2500	2630		ug/Kg		105	70 - 120
1,2-Dichloroethane	2500	2350		ug/Kg		94	60 - 145
1,2-Dichloropropane	2500	2490		ug/Kg		100	75 - 125
1,3,5-Trimethylbenzene	2500	2710		ug/Kg		108	70 - 125
1,3-Dichlorobenzene	2500	2620		ug/Kg		105	70 - 125
1,3-Dichloropropane	2500	2430		ug/Kg		97	65 - 130
1,4-Dichlorobenzene	2500	2510		ug/Kg		100	70 - 125
2,2-Dichloropropane	2500	2320		ug/Kg		93	60 - 145
2-Chlorotoluene	2500	2550		ug/Kg		102	70 - 125
4-Chlorotoluene	2500	2580		ug/Kg		103	70 - 125
p-Isopropyltoluene	2500	2600		ug/Kg		104	70 - 125
Benzene	2500	2400		ug/Kg		96	65 - 120
Bromobenzene	2500	2690		ug/Kg		108	70 - 120
Dibromochloromethane	2500	2440		ug/Kg		98	65 - 140
Bromochloromethane	2500	2540		ug/Kg		102	65 - 125
Bromoform	2500	2310		ug/Kg		92	50 - 130
Bromomethane	2500	2250		ug/Kg		90	30 - 140
Carbon tetrachloride	2500	2270		ug/Kg		91	65 - 145
Chlorobenzene	2500	2420		ug/Kg		97	70 - 125
Chloroethane	2500	2270		ug/Kg		91	40 - 140
Chloroform	2500	2370		ug/Kg		95	75 - 130
Chloromethane	2500	2540		ug/Kg		102	30 - 140
cis-1,2-Dichloroethene	2500	2750		ug/Kg		110	65 - 130
cis-1,3-Dichloropropene	2500	2340		ug/Kg		94	70 - 130
Bromodichloromethane	2500	2440		ug/Kg		98	65 - 135
Dibromomethane	2500	2640		ug/Kg		106	65 - 130
Dichlorodifluoromethane	2500	3010		ug/Kg		120	10 - 155
Ethylbenzene	2500	2500		ug/Kg		100	80 - 120
Isopropyl Ether (DIPE)	2500	2570		ug/Kg		103	60 - 140
Methyl-t-Butyl Ether (MTBE)	2500	2440		ug/Kg		98	55 - 145

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-31263/4
Matrix: Solid
Analysis Batch: 31263

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tert-amyl-methyl ether (TAME)	2500	2450		ug/Kg		98	60 - 145
Ethyl-t-butyl ether (ETBE)	2500	2310		ug/Kg		92	60 - 140
Hexachlorobutadiene	2500	2810		ug/Kg		112	60 - 135
m,p-Xylene	5000	5180		ug/Kg		104	70 - 125
Methylene Chloride	2500	2330		ug/Kg		93	60 - 140
Naphthalene	2500	3040		ug/Kg		122	50 - 140
n-Butylbenzene	2500	2640		ug/Kg		106	70 - 130
N-Propylbenzene	2500	2660		ug/Kg		106	70 - 130
o-Xylene	2500	2670		ug/Kg		107	70 - 125
sec-Butylbenzene	2500	2680		ug/Kg		107	70 - 125
Styrene	2500	2600		ug/Kg		104	70 - 135
tert-Butyl alcohol (TBA)	12500	13000		ug/Kg		104	65 - 140
tert-Butylbenzene	2500	2700		ug/Kg		108	70 - 125
Tetrachloroethene	2500	2420		ug/Kg		97	65 - 125
Toluene	2500	2510		ug/Kg		100	80 - 120
trans-1,2-Dichloroethene	2500	2660		ug/Kg		107	65 - 130
trans-1,3-Dichloropropene	2500	2550		ug/Kg		102	65 - 135
Trichloroethene	2500	2530		ug/Kg		101	70 - 130
Trichlorofluoromethane	2500	2370		ug/Kg		95	50 - 145
Vinyl chloride	2500	1850		ug/Kg		74	10 - 120
Acetone	2500	2390		ug/Kg		96	25 - 135
2-Hexanone	2500	2260		ug/Kg		91	35 - 140
4-Methyl-2-pentanone (MIBK)	2500	2390		ug/Kg		96	40 - 145
2-Butanone (MEK)	2500	2330		ug/Kg		93	40 - 145
Isopropylbenzene	2500	2650		ug/Kg		106	70 - 125
1,2,3-Trichloropropane	2500	2530		ug/Kg		101	55 - 130
1,2,4-Trichlorobenzene	2500	2860		ug/Kg		114	65 - 135
Ethanol	25000	32900		ug/Kg		132	35 - 160

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*65 - 140*
Dibromofluoromethane (Surr)	*90*		*55 - 140*
Toluene-d8 (Surr)	*96*		*60 - 140*

Lab Sample ID: LCSD 440-31263/5
Matrix: Solid
Analysis Batch: 31263

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
1,1,1,2-Tetrachloroethane	2500	2490		ug/Kg		100	70 - 140	1	20
1,1,1-Trichloroethane	2500	2240		ug/Kg		90	65 - 140	1	20
1,1,2,2-Tetrachloroethane	2500	2630		ug/Kg		105	55 - 135	0	25
1,1,2-Trichloroethane	2500	2620		ug/Kg		105	65 - 130	5	20
1,1-Dichloroethane	2500	2440		ug/Kg		97	65 - 130	2	20
1,1-Dichloroethene	2500	2400		ug/Kg		96	75 - 140	4	20
1,1-Dichloropropene	2500	2200		ug/Kg		88	70 - 130	2	20
1,2,3-Trichlorobenzene	2500	2850		ug/Kg		114	60 - 135	2	20
1,2,4-Trimethylbenzene	2500	2730		ug/Kg		109	70 - 125	2	20
1,2-Dibromo-3-Chloropropane	2500	2420		ug/Kg		97	45 - 135	2	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-31263/5
Matrix: Solid
Analysis Batch: 31263

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-Dibromoethane (EDB)	2500	2570		ug/Kg		103	70 - 130	1	20
1,2-Dichlorobenzene	2500	2580		ug/Kg		103	70 - 120	2	20
1,2-Dichloroethane	2500	2330		ug/Kg		93	60 - 145	1	20
1,2-Dichloropropane	2500	2530		ug/Kg		101	75 - 125	2	20
1,3,5-Trimethylbenzene	2500	2670		ug/Kg		107	70 - 125	1	20
1,3-Dichlorobenzene	2500	2550		ug/Kg		102	70 - 125	3	20
1,3-Dichloropropane	2500	2460		ug/Kg		98	65 - 130	1	20
1,4-Dichlorobenzene	2500	2480		ug/Kg		99	70 - 125	1	20
2,2-Dichloropropane	2500	2200		ug/Kg		88	60 - 145	5	25
2-Chlorotoluene	2500	2510		ug/Kg		101	70 - 125	2	20
4-Chlorotoluene	2500	2550		ug/Kg		102	70 - 125	1	20
p-Isopropyltoluene	2500	2620		ug/Kg		105	70 - 125	1	20
Benzene	2500	2370		ug/Kg		95	65 - 120	1	20
Bromobenzene	2500	2680		ug/Kg		107	70 - 120	0	20
Dibromochloromethane	2500	2330		ug/Kg		93	65 - 140	4	20
Bromochloromethane	2500	2470		ug/Kg		99	65 - 125	3	20
Bromoform	2500	2300		ug/Kg		92	50 - 130	0	25
Bromomethane	2500	2010		ug/Kg		80	30 - 140	11	30
Carbon tetrachloride	2500	2190		ug/Kg		88	65 - 145	3	20
Chlorobenzene	2500	2410		ug/Kg		96	70 - 125	0	20
Chloroethane	2500	2130		ug/Kg		85	40 - 140	6	25
Chloroform	2500	2370		ug/Kg		95	75 - 130	0	20
Chloromethane	2500	2350		ug/Kg		94	30 - 140	8	25
cis-1,2-Dichloroethene	2500	2700		ug/Kg		108	65 - 130	2	20
cis-1,3-Dichloropropene	2500	2350		ug/Kg		94	70 - 130	0	20
Bromodichloromethane	2500	2510		ug/Kg		100	65 - 135	3	20
Dibromomethane	2500	2570		ug/Kg		103	65 - 130	3	20
Dichlorodifluoromethane	2500	2610		ug/Kg		104	10 - 155	14	30
Ethylbenzene	2500	2450		ug/Kg		98	80 - 120	2	20
Isopropyl Ether (DIPE)	2500	2690		ug/Kg		108	60 - 140	5	20
Methyl-t-Butyl Ether (MTBE)	2500	2520		ug/Kg		101	55 - 145	3	25
Tert-amyl-methyl ether (TAME)	2500	2550		ug/Kg		102	60 - 145	4	25
Ethyl-t-butyl ether (ETBE)	2500	2370		ug/Kg		95	60 - 140	2	20
Hexachlorobutadiene	2500	2640		ug/Kg		106	60 - 135	6	20
m,p-Xylene	5000	5030		ug/Kg		101	70 - 125	3	20
Methylene Chloride	2500	2280		ug/Kg		91	60 - 140	2	20
Naphthalene	2500	3020		ug/Kg		121	50 - 140	1	25
n-Butylbenzene	2500	2610		ug/Kg		105	70 - 130	1	20
N-Propylbenzene	2500	2660		ug/Kg		107	70 - 130	0	20
o-Xylene	2500	2600		ug/Kg		104	70 - 125	3	20
sec-Butylbenzene	2500	2640		ug/Kg		106	70 - 125	1	20
Styrene	2500	2560		ug/Kg		102	70 - 135	2	20
tert-Butyl alcohol (TBA)	12500	13300		ug/Kg		106	65 - 140	2	20
tert-Butylbenzene	2500	2690		ug/Kg		108	70 - 125	0	20
Tetrachloroethene	2500	2350		ug/Kg		94	65 - 125	3	20
Toluene	2500	2520		ug/Kg		101	80 - 120	0	20
trans-1,2-Dichloroethene	2500	2620		ug/Kg		105	65 - 130	2	20
trans-1,3-Dichloropropene	2500	2570		ug/Kg		103	65 - 135	1	20
Trichloroethene	2500	2550		ug/Kg		102	70 - 130	1	20
Trichlorofluoromethane	2500	2240		ug/Kg		90	50 - 145	6	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-31263/5
Matrix: Solid
Analysis Batch: 31263

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
Vinyl chloride	2500	1700		ug/Kg		68	10 - 120	9	30
Acetone	2500	2410		ug/Kg		96	25 - 135	1	30
2-Hexanone	2500	2350		ug/Kg		94	35 - 140	4	30
4-Methyl-2-pentanone (MIBK)	2500	2530		ug/Kg		101	40 - 145	6	30
2-Butanone (MEK)	2500	2380		ug/Kg		95	40 - 145	2	30
Isopropylbenzene	2500	2620		ug/Kg		105	70 - 125	1	20
1,2,3-Trichloropropane	2500	2470		ug/Kg		99	55 - 130	2	25
1,2,4-Trichlorobenzene	2500	2900		ug/Kg		116	65 - 135	2	20
Ethanol	25000	31300		ug/Kg		125	35 - 160	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*65 - 140*
Dibromofluoromethane (Surr)	*90*		*55 - 140*
Toluene-d8 (Surr)	*98*		*60 - 140*

Lab Sample ID: MB 440-31612/8
Matrix: Solid
Analysis Batch: 31612

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		250		ug/Kg			06/08/12 11:23	100
1,1,1-Trichloroethane	ND		100		ug/Kg			06/08/12 11:23	100
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg			06/08/12 11:23	100
1,1,2-Trichloroethane	ND		100		ug/Kg			06/08/12 11:23	100
1,1-Dichloroethane	ND		100		ug/Kg			06/08/12 11:23	100
1,1-Dichloroethene	ND		250		ug/Kg			06/08/12 11:23	100
1,1-Dichloropropene	ND		100		ug/Kg			06/08/12 11:23	100
1,2,3-Trichlorobenzene	ND		250		ug/Kg			06/08/12 11:23	100
1,2,4-Trimethylbenzene	ND		100		ug/Kg			06/08/12 11:23	100
1,2-Dibromo-3-Chloropropane	ND		250		ug/Kg			06/08/12 11:23	100
1,2-Dibromoethane (EDB)	ND		100		ug/Kg			06/08/12 11:23	100
1,2-Dichlorobenzene	ND		100		ug/Kg			06/08/12 11:23	100
1,2-Dichloroethane	ND		100		ug/Kg			06/08/12 11:23	100
1,2-Dichloropropane	ND		100		ug/Kg			06/08/12 11:23	100
1,3,5-Trimethylbenzene	ND		100		ug/Kg			06/08/12 11:23	100
1,3-Dichlorobenzene	ND		100		ug/Kg			06/08/12 11:23	100
1,3-Dichloropropane	ND		100		ug/Kg			06/08/12 11:23	100
1,4-Dichlorobenzene	ND		100		ug/Kg			06/08/12 11:23	100
2,2-Dichloropropane	ND		100		ug/Kg			06/08/12 11:23	100
2-Chlorotoluene	ND		250		ug/Kg			06/08/12 11:23	100
4-Chlorotoluene	ND		250		ug/Kg			06/08/12 11:23	100
p-Isopropyltoluene	ND		100		ug/Kg			06/08/12 11:23	100
Benzene	ND		100		ug/Kg			06/08/12 11:23	100
Bromobenzene	ND		250		ug/Kg			06/08/12 11:23	100
Dibromochloromethane	ND		100		ug/Kg			06/08/12 11:23	100
Bromochloromethane	ND		250		ug/Kg			06/08/12 11:23	100
Bromoform	ND		250		ug/Kg			06/08/12 11:23	100
Bromomethane	ND		250		ug/Kg			06/08/12 11:23	100
Carbon tetrachloride	ND		250		ug/Kg			06/08/12 11:23	100

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-31612/8
Matrix: Solid
Analysis Batch: 31612

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		100		ug/Kg			06/08/12 11:23	100
Chloroethane	ND		250		ug/Kg			06/08/12 11:23	100
Chloroform	ND		100		ug/Kg			06/08/12 11:23	100
Chloromethane	ND		250		ug/Kg			06/08/12 11:23	100
cis-1,2-Dichloroethene	ND		100		ug/Kg			06/08/12 11:23	100
cis-1,3-Dichloropropene	ND		100		ug/Kg			06/08/12 11:23	100
Bromodichloromethane	ND		100		ug/Kg			06/08/12 11:23	100
Dibromomethane	ND		100		ug/Kg			06/08/12 11:23	100
Dichlorodifluoromethane	ND		250		ug/Kg			06/08/12 11:23	100
Ethylbenzene	ND		100		ug/Kg			06/08/12 11:23	100
Isopropyl Ether (DIPE)	ND		250		ug/Kg			06/08/12 11:23	100
Methyl-t-Butyl Ether (MTBE)	ND		250		ug/Kg			06/08/12 11:23	100
Tert-amyl-methyl ether (TAME)	ND		250		ug/Kg			06/08/12 11:23	100
Ethyl-t-butyl ether (ETBE)	ND		250		ug/Kg			06/08/12 11:23	100
Hexachlorobutadiene	ND		250		ug/Kg			06/08/12 11:23	100
m,p-Xylene	ND		100		ug/Kg			06/08/12 11:23	100
Methylene Chloride	ND		1000		ug/Kg			06/08/12 11:23	100
Naphthalene	ND		250		ug/Kg			06/08/12 11:23	100
n-Butylbenzene	ND		250		ug/Kg			06/08/12 11:23	100
N-Propylbenzene	ND		100		ug/Kg			06/08/12 11:23	100
o-Xylene	ND		100		ug/Kg			06/08/12 11:23	100
sec-Butylbenzene	ND		250		ug/Kg			06/08/12 11:23	100
Styrene	ND		100		ug/Kg			06/08/12 11:23	100
tert-Butyl alcohol (TBA)	ND		5000		ug/Kg			06/08/12 11:23	100
tert-Butylbenzene	ND		250		ug/Kg			06/08/12 11:23	100
Tetrachloroethene	ND		100		ug/Kg			06/08/12 11:23	100
Toluene	ND		100		ug/Kg			06/08/12 11:23	100
trans-1,2-Dichloroethene	ND		100		ug/Kg			06/08/12 11:23	100
trans-1,3-Dichloropropene	ND		100		ug/Kg			06/08/12 11:23	100
Trichloroethene	ND		100		ug/Kg			06/08/12 11:23	100
Trichlorofluoromethane	ND		250		ug/Kg			06/08/12 11:23	100
Vinyl chloride	ND		250		ug/Kg			06/08/12 11:23	100
Xylenes, Total	ND		200		ug/Kg			06/08/12 11:23	100
Acetone	ND		1500		ug/Kg			06/08/12 11:23	100
2-Hexanone	ND		1300		ug/Kg			06/08/12 11:23	100
4-Methyl-2-pentanone (MIBK)	ND		500		ug/Kg			06/08/12 11:23	100
2-Butanone (MEK)	ND		1000		ug/Kg			06/08/12 11:23	100
Isopropylbenzene	ND		100		ug/Kg			06/08/12 11:23	100
1,2,3-Trichloropropane	ND		500		ug/Kg			06/08/12 11:23	100
1,2,4-Trichlorobenzene	ND		250		ug/Kg			06/08/12 11:23	100
Ethanol	ND		15000		ug/Kg			06/08/12 11:23	100

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*65 - 140*		*06/08/12 11:23*	*100*
Dibromofluoromethane (Surr)	*90*		*55 - 140*		*06/08/12 11:23*	*100*
Toluene-d8 (Surr)	*96*		*60 - 140*		*06/08/12 11:23*	*100*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-31612/4
Matrix: Solid
Analysis Batch: 31612

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	2500	2490		ug/Kg		100	70 - 140
1,1,1-Trichloroethane	2500	2480		ug/Kg		99	65 - 140
1,1,2,2-Tetrachloroethane	2500	2700		ug/Kg		108	55 - 135
1,1,2-Trichloroethane	2500	2660		ug/Kg		106	65 - 130
1,1-Dichloroethane	2500	2590		ug/Kg		104	65 - 130
1,1-Dichloroethene	2500	2650		ug/Kg		106	75 - 140
1,1-Dichloropropene	2500	2460		ug/Kg		98	70 - 130
1,2,3-Trichlorobenzene	2500	2320		ug/Kg		93	60 - 135
1,2,4-Trimethylbenzene	2500	2670		ug/Kg		107	70 - 125
1,2-Dibromo-3-Chloropropane	2500	2640		ug/Kg		105	45 - 135
1,2-Dibromoethane (EDB)	2500	2510		ug/Kg		100	70 - 130
1,2-Dichlorobenzene	2500	2590		ug/Kg		104	70 - 120
1,2-Dichloroethane	2500	2540		ug/Kg		102	60 - 145
1,2-Dichloropropane	2500	2590		ug/Kg		104	75 - 125
1,3,5-Trimethylbenzene	2500	2620		ug/Kg		105	70 - 125
1,3-Dichlorobenzene	2500	2600		ug/Kg		104	70 - 125
1,3-Dichloropropane	2500	2520		ug/Kg		101	65 - 130
1,4-Dichlorobenzene	2500	2570		ug/Kg		103	70 - 125
2,2-Dichloropropane	2500	2520		ug/Kg		101	60 - 145
2-Chlorotoluene	2500	2540		ug/Kg		101	70 - 125
4-Chlorotoluene	2500	2550		ug/Kg		102	70 - 125
p-Isopropyltoluene	2500	2540		ug/Kg		102	70 - 125
Benzene	2500	2570		ug/Kg		103	65 - 120
Bromobenzene	2500	2560		ug/Kg		102	70 - 120
Dibromochloromethane	2500	2380		ug/Kg		95	65 - 140
Bromochloromethane	2500	2640		ug/Kg		105	65 - 125
Bromoform	2500	2590		ug/Kg		104	50 - 130
Bromomethane	2500	2280		ug/Kg		91	30 - 140
Carbon tetrachloride	2500	2480		ug/Kg		99	65 - 145
Chlorobenzene	2500	2500		ug/Kg		100	70 - 125
Chloroethane	2500	2340		ug/Kg		94	40 - 140
Chloroform	2500	2510		ug/Kg		100	75 - 130
Chloromethane	2500	2190		ug/Kg		88	30 - 140
cis-1,2-Dichloroethene	2500	2760		ug/Kg		110	65 - 130
cis-1,3-Dichloropropene	2500	2520		ug/Kg		101	70 - 130
Bromodichloromethane	2500	2570		ug/Kg		103	65 - 135
Dibromomethane	2500	2670		ug/Kg		107	65 - 130
Dichlorodifluoromethane	2500	2070		ug/Kg		83	10 - 155
Ethylbenzene	2500	2520		ug/Kg		101	80 - 120
Isopropyl Ether (DIPE)	2500	2560		ug/Kg		103	60 - 140
Methyl-t-Butyl Ether (MTBE)	2500	2620		ug/Kg		105	55 - 145
Tert-amyl-methyl ether (TAME)	2500	2660		ug/Kg		106	60 - 145
Ethyl-t-butyl ether (ETBE)	2500	2500		ug/Kg		100	60 - 140
Hexachlorobutadiene	2500	2550		ug/Kg		102	60 - 135
m,p-Xylene	5000	5080		ug/Kg		102	70 - 125
Methylene Chloride	2500	2640		ug/Kg		106	60 - 140
Naphthalene	2500	2470		ug/Kg		99	50 - 140
n-Butylbenzene	2500	2640		ug/Kg		106	70 - 130
N-Propylbenzene	2500	2580		ug/Kg		103	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-31612/4
Matrix: Solid
Analysis Batch: 31612

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	2500	2500		ug/Kg		100	70 - 125
sec-Butylbenzene	2500	2640		ug/Kg		106	70 - 125
Styrene	2500	2680		ug/Kg		107	70 - 135
tert-Butyl alcohol (TBA)	12500	10700		ug/Kg		86	65 - 140
tert-Butylbenzene	2500	2590		ug/Kg		104	70 - 125
Tetrachloroethene	2500	2480		ug/Kg		99	65 - 125
Toluene	2500	2560		ug/Kg		102	80 - 120
trans-1,2-Dichloroethene	2500	2670		ug/Kg		107	65 - 130
trans-1,3-Dichloropropene	2500	2870		ug/Kg		115	65 - 135
Trichloroethene	2500	2650		ug/Kg		106	70 - 130
Trichlorofluoromethane	2500	2580		ug/Kg		103	50 - 145
Vinyl chloride	2500	1790		ug/Kg		72	10 - 120
Acetone	2500	2370		ug/Kg		95	25 - 135
2-Hexanone	2500	2270		ug/Kg		91	35 - 140
4-Methyl-2-pentanone (MIBK)	2500	2430		ug/Kg		97	40 - 145
2-Butanone (MEK)	2500	2650		ug/Kg		106	40 - 145
Isopropylbenzene	2500	2630		ug/Kg		105	70 - 125
1,2,3-Trichloropropane	2500	2570		ug/Kg		103	55 - 130
1,2,4-Trichlorobenzene	2500	2570		ug/Kg		103	65 - 135
Ethanol	25000	24700		ug/Kg		99	35 - 160

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*65 - 140*
Dibromofluoromethane (Surr)	*91*		*55 - 140*
Toluene-d8 (Surr)	*95*		*60 - 140*

Lab Sample ID: LCSD 440-31612/5
Matrix: Solid
Analysis Batch: 31612

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
1,1,1,2-Tetrachloroethane	2500	2630		ug/Kg		105	70 - 140	5	20
1,1,1-Trichloroethane	2500	2590		ug/Kg		103	65 - 140	4	20
1,1,2,2-Tetrachloroethane	2500	2800		ug/Kg		112	55 - 135	3	25
1,1,2-Trichloroethane	2500	2780		ug/Kg		111	65 - 130	4	20
1,1-Dichloroethane	2500	2680		ug/Kg		107	65 - 130	4	20
1,1-Dichloroethene	2500	2750		ug/Kg		110	75 - 140	4	20
1,1-Dichloropropene	2500	2640		ug/Kg		105	70 - 130	7	20
1,2,3-Trichlorobenzene	2500	2360		ug/Kg		94	60 - 135	1	20
1,2,4-Trimethylbenzene	2500	2780		ug/Kg		111	70 - 125	4	20
1,2-Dibromo-3-Chloropropane	2500	2800		ug/Kg		112	45 - 135	6	25
1,2-Dibromoethane (EDB)	2500	2700		ug/Kg		108	70 - 130	7	20
1,2-Dichlorobenzene	2500	2710		ug/Kg		109	70 - 120	4	20
1,2-Dichloroethane	2500	2690		ug/Kg		108	60 - 145	6	20
1,2-Dichloropropane	2500	2760		ug/Kg		111	75 - 125	7	20
1,3,5-Trimethylbenzene	2500	2700		ug/Kg		108	70 - 125	3	20
1,3-Dichlorobenzene	2500	2680		ug/Kg		107	70 - 125	3	20
1,3-Dichloropropane	2500	2700		ug/Kg		108	65 - 130	7	20
1,4-Dichlorobenzene	2500	2650		ug/Kg		106	70 - 125	3	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-31612/5
Matrix: Solid
Analysis Batch: 31612

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
2,2-Dichloropropane	2500	2560		ug/Kg		102	60 - 145	2	25
2-Chlorotoluene	2500	2570		ug/Kg		103	70 - 125	1	20
4-Chlorotoluene	2500	2690		ug/Kg		108	70 - 125	6	20
p-Isopropyltoluene	2500	2600		ug/Kg		104	70 - 125	2	20
Benzene	2500	2690		ug/Kg		108	65 - 120	5	20
Bromobenzene	2500	2610		ug/Kg		104	70 - 120	2	20
Dibromochloromethane	2500	2580		ug/Kg		103	65 - 140	8	20
Bromochloromethane	2500	2870		ug/Kg		115	65 - 125	9	20
Bromoform	2500	2690		ug/Kg		107	50 - 130	4	25
Bromomethane	2500	2310		ug/Kg		92	30 - 140	1	30
Carbon tetrachloride	2500	2560		ug/Kg		103	65 - 145	3	20
Chlorobenzene	2500	2640		ug/Kg		106	70 - 125	5	20
Chloroethane	2500	2380		ug/Kg		95	40 - 140	2	25
Chloroform	2500	2660		ug/Kg		106	75 - 130	6	20
Chloromethane	2500	2150		ug/Kg		86	30 - 140	2	25
cis-1,2-Dichloroethene	2500	2880		ug/Kg		115	65 - 130	4	20
cis-1,3-Dichloropropene	2500	2590		ug/Kg		104	70 - 130	3	20
Bromodichloromethane	2500	2730		ug/Kg		109	65 - 135	6	20
Dibromomethane	2500	2860		ug/Kg		114	65 - 130	7	20
Dichlorodifluoromethane	2500	1930		ug/Kg		77	10 - 155	7	30
Ethylbenzene	2500	2700		ug/Kg		108	80 - 120	7	20
Isopropyl Ether (DIPE)	2500	2780		ug/Kg		111	60 - 140	8	20
Methyl-t-Butyl Ether (MTBE)	2500	2870		ug/Kg		115	55 - 145	9	25
Tert-amyl-methyl ether (TAME)	2500	2840		ug/Kg		114	60 - 145	6	25
Ethyl-t-butyl ether (ETBE)	2500	2680		ug/Kg		107	60 - 140	7	20
Hexachlorobutadiene	2500	2630		ug/Kg		105	60 - 135	3	20
m,p-Xylene	5000	5450		ug/Kg		109	70 - 125	7	20
Methylene Chloride	2500	2750		ug/Kg		110	60 - 140	4	20
Naphthalene	2500	2520		ug/Kg		101	50 - 140	2	25
n-Butylbenzene	2500	2720		ug/Kg		109	70 - 130	3	20
N-Propylbenzene	2500	2640		ug/Kg		106	70 - 130	2	20
o-Xylene	2500	2600		ug/Kg		104	70 - 125	4	20
sec-Butylbenzene	2500	2730		ug/Kg		109	70 - 125	3	20
Styrene	2500	2780		ug/Kg		111	70 - 135	4	20
tert-Butyl alcohol (TBA)	12500	13100		ug/Kg		105	65 - 140	20	20
tert-Butylbenzene	2500	2630		ug/Kg		105	70 - 125	1	20
Tetrachloroethene	2500	2620		ug/Kg		105	65 - 125	5	20
Toluene	2500	2720		ug/Kg		109	80 - 120	6	20
trans-1,2-Dichloroethene	2500	2740		ug/Kg		110	65 - 130	3	20
trans-1,3-Dichloropropene	2500	3070		ug/Kg		123	65 - 135	7	20
Trichloroethene	2500	2830		ug/Kg		113	70 - 130	7	20
Trichlorofluoromethane	2500	2580		ug/Kg		103	50 - 145	0	25
Vinyl chloride	2500	1730		ug/Kg		69	10 - 120	3	30
Acetone	2500	2740		ug/Kg		110	25 - 135	15	30
2-Hexanone	2500	2510		ug/Kg		100	35 - 140	10	30
4-Methyl-2-pentanone (MIBK)	2500	2550		ug/Kg		102	40 - 145	5	30
2-Butanone (MEK)	2500	2810		ug/Kg		112	40 - 145	6	30
Isopropylbenzene	2500	2720		ug/Kg		109	70 - 125	3	20
1,2,3-Trichloropropane	2500	2620		ug/Kg		105	55 - 130	2	25
1,2,4-Trichlorobenzene	2500	2600		ug/Kg		104	65 - 135	1	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 440-31612/5 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 31612

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethanol			25000	24800		ug/Kg		99	35 - 160	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*65 - 140*
Dibromofluoromethane (Surr)	*98*		*55 - 140*
Toluene-d8 (Surr)	*101*		*60 - 140*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 440-31060/4 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 31060

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400		ug/Kg			06/06/12 13:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*65 - 140*		*06/06/12 13:59*	*1*

Lab Sample ID: LCS 440-31060/2 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 31060

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)			1600	1220		ug/Kg		76	70 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*65 - 140*

Lab Sample ID: LCSD 440-31060/3 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 31060

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)			1600	1220		ug/Kg		76	70 - 135	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*65 - 140*

Lab Sample ID: 440-13562-75 MS — **Client Sample ID: SB-16-1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 31060

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)	ND		1590	1020		ug/Kg		64	60 - 140		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*65 - 140*

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: 440-13562-75 MSD — **Client Sample ID: SB-16-1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 31060

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	ND		1590	1120		ug/Kg		70	60 - 140	9	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*65 - 140*

Lab Sample ID: MB 440-31271/4 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 31271

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		40000		ug/Kg			06/07/12 10:35	100

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*65 - 140*		*06/07/12 10:35*	*100*

Lab Sample ID: LCS 440-31271/2 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 31271

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
GRO (C4-C12)			160000	121000		ug/Kg		76	70 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*128*		*65 - 140*

Lab Sample ID: LCSD 440-31271/3 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 31271

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)			160000	123000		ug/Kg		77	70 - 135	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*65 - 140*

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

Lab Sample ID: MB 440-30834/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 30917 — **Prep Batch: 30834**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		5.0		mg/Kg		06/05/12 15:17	06/06/12 01:19	1
ORO (C29-C40)	ND		5.0		mg/Kg		06/05/12 15:17	06/06/12 01:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*86*		*40 - 140*	*06/05/12 15:17*	*06/06/12 01:19*	*1*

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

Lab Sample ID: LCS 440-30834/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 30917 — **Prep Batch: 30834**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
DRO (C10-C28)			33.3	25.4		mg/Kg		76	45 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*81*		*40 - 140*

Lab Sample ID: 440-12923-A-16-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 30917 — **Prep Batch: 30834**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
DRO (C10-C28)	ND		33.3	27.1		mg/Kg		81	40 - 120		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane	*85*		*40 - 140*

Lab Sample ID: 440-12923-A-16-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 30917 — **Prep Batch: 30834**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
DRO (C10-C28)	ND		33.3	27.5		mg/Kg		83	40 - 120	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane	*84*		*40 - 140*

Lab Sample ID: MB 440-30987/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 31224 — **Prep Batch: 30987**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C10-C28)	ND		5.0		mg/Kg		06/06/12 07:52	06/07/12 07:12	1
ORO (C29-C40)	ND		5.0		mg/Kg		06/06/12 07:52	06/07/12 07:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane	*91*		*40 - 140*	*06/06/12 07:52*	*06/07/12 07:12*	*1*

Lab Sample ID: LCS 440-30987/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 31224 — **Prep Batch: 30987**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
DRO (C10-C28)			33.3	26.0		mg/Kg		78	45 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane	*87*		*40 - 140*

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

Lab Sample ID: 440-13111-B-2-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 31224 — **Prep Batch: 30987**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
DRO (C10-C28)	35		33.3	65.7		mg/Kg		93	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane	*127*		*40 - 140*

Lab Sample ID: 440-13111-B-2-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 31224 — **Prep Batch: 30987**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
DRO (C10-C28)	35		33.3	355	E F	mg/Kg		962	40 - 120	138	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane	*104*		*40 - 140*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 480-67697/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67963 — **Prep Batch: 67697**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16		mg/Kg		06/08/12 15:30	06/11/12 09:48	1
Arsenic	ND		2.1		mg/Kg		06/08/12 15:30	06/11/12 09:48	1
Barium	ND		0.52		mg/Kg		06/08/12 15:30	06/11/12 09:48	1
Beryllium	ND		0.21		mg/Kg		06/08/12 15:30	06/11/12 09:48	1
Cadmium	ND		0.21		mg/Kg		06/08/12 15:30	06/11/12 09:48	1
Chromium	ND		0.52		mg/Kg		06/08/12 15:30	06/11/12 09:48	1
Cobalt	ND		0.52		mg/Kg		06/08/12 15:30	06/11/12 09:48	1
Copper	ND		1.0		mg/Kg		06/08/12 15:30	06/11/12 09:48	1
Lead	ND		1.0		mg/Kg		06/08/12 15:30	06/11/12 09:48	1
Molybdenum	ND		1.0		mg/Kg		06/08/12 15:30	06/11/12 09:48	1
Nickel	ND		5.2		mg/Kg		06/08/12 15:30	06/11/12 09:48	1
Selenium	ND		4.2		mg/Kg		06/08/12 15:30	06/11/12 09:48	1
Silver	ND		0.52		mg/Kg		06/08/12 15:30	06/11/12 09:48	1
Thallium	ND		6.2		mg/Kg		06/08/12 15:30	06/11/12 09:48	1
Vanadium	ND		0.52		mg/Kg		06/08/12 15:30	06/11/12 09:48	1
Zinc	ND		2.1		mg/Kg		06/08/12 15:30	06/11/12 09:48	1

Lab Sample ID: LCSSRM 480-67697/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67963 — **Prep Batch: 67697**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	93.2	82.5		mg/Kg		88.6	24.8 - 272.2
Arsenic	94.4	91.6		mg/Kg		97.1	69.2 - 131.2
Barium	167	170		mg/Kg		101.9	72.5 - 126.9

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

Lab Sample ID: LCSSRM 480-67697/2-A
Matrix: Solid
Analysis Batch: 67963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67697

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	57.5	55.8		mg/Kg		97.1	73.3 - 126.7
Cadmium	60.4	58.5		mg/Kg		96.9	73.2 - 126.8
Chromium	70.3	63.1		mg/Kg		89.8	68.5 - 131.5
Cobalt	102	102		mg/Kg		99.7	74.5 - 125.5
Copper	79.5	76.9		mg/Kg		96.7	73.6 - 125.6
Lead	91.7	91.0		mg/Kg		99.3	70.3 - 129.6
Molybdenum	41.6	43.9		mg/Kg		105.3	65.2 - 143.9
Nickel	57.5	57.3		mg/Kg		99.7	70.0 - 130.2
Selenium	86.3	84.4		mg/Kg		97.8	64.0 - 136.6
Silver	34.4	30.8		mg/Kg		89.8	65.7 - 134.6
Thallium	120	122		mg/Kg		101.7	67.3 - 131.7
Vanadium	56.9	50.7		mg/Kg		89.0	53.7 - 146.1
Zinc	140	127		mg/Kg		90.9	67.4 - 132.9

Lab Sample ID: 440-13562-21 MS
Matrix: Solid
Analysis Batch: 67963

Client Sample ID: SB-5-2
Prep Type: Total/NA
Prep Batch: 67697

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND		38.1	32.6		mg/Kg		86	75 - 125
Arsenic	ND		38.1	37.1		mg/Kg		94	75 - 125
Barium	22		38.1	58.1		mg/Kg		94	75 - 125
Beryllium	ND		38.1	36.6		mg/Kg		96	75 - 125
Cadmium	ND		38.1	36.4		mg/Kg		95	75 - 125
Chromium	7.7		38.1	46.8		mg/Kg		103	75 - 125
Cobalt	2.4		38.1	40.0		mg/Kg		99	75 - 125
Copper	3.3		38.1	40.2		mg/Kg		97	75 - 125
Lead	2.4		38.1	40.2		mg/Kg		99	75 - 125
Molybdenum	ND		38.1	38.0		mg/Kg		99	75 - 125
Nickel	ND		38.1	39.8		mg/Kg		99	75 - 125
Selenium	ND		38.1	34.6		mg/Kg		91	75 - 125
Silver	ND		9.52	8.58		mg/Kg		90	75 - 125
Thallium	ND		38.1	37.7		mg/Kg		99	75 - 125
Vanadium	18		38.1	54.3		mg/Kg		95	75 - 125
Zinc	9.1		38.1	46.9		mg/Kg		99	75 - 125

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

Lab Sample ID: 440-13562-21 MSD — **Client Sample ID: SB-5-2**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67963 — **Prep Batch: 67697**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND		41.3	35.7		mg/Kg		86	75 - 125	9	20
Arsenic	ND		41.3	40.0		mg/Kg		94	75 - 125	8	20
Barium	22		41.3	61.2		mg/Kg		94	75 - 125	5	20
Beryllium	ND		41.3	40.0		mg/Kg		97	75 - 125	9	20
Cadmium	ND		41.3	39.4		mg/Kg		95	75 - 125	8	20
Chromium	7.7		41.3	46.9		mg/Kg		95	75 - 125	0	20
Cobalt	2.4		41.3	42.9		mg/Kg		98	75 - 125	7	20
Copper	3.3		41.3	43.5		mg/Kg		97	75 - 125	8	20
Lead	2.4		41.3	42.7		mg/Kg		98	75 - 125	6	20
Molybdenum	ND		41.3	39.6		mg/Kg		95	75 - 125	4	20
Nickel	ND		41.3	42.4		mg/Kg		98	75 - 125	6	20
Selenium	ND		41.3	37.9		mg/Kg		92	75 - 125	9	20
Silver	ND		10.3	9.44		mg/Kg		91	75 - 125	10	20
Thallium	ND		41.3	40.5		mg/Kg		98	75 - 125	7	20
Vanadium	18		41.3	57.0		mg/Kg		94	75 - 125	5	20
Zinc	9.1		41.3	50.2		mg/Kg		100	75 - 125	7	20

Lab Sample ID: MB 480-67698/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67964 — **Prep Batch: 67698**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16		mg/Kg		06/08/12 15:30	06/11/12 11:03	1
Arsenic	ND		2.2		mg/Kg		06/08/12 15:30	06/11/12 11:03	1
Barium	ND		0.55		mg/Kg		06/08/12 15:30	06/11/12 11:03	1
Beryllium	ND		0.22		mg/Kg		06/08/12 15:30	06/11/12 11:03	1
Cadmium	ND		0.22		mg/Kg		06/08/12 15:30	06/11/12 11:03	1
Chromium	ND		0.55		mg/Kg		06/08/12 15:30	06/11/12 11:03	1
Cobalt	ND		0.55		mg/Kg		06/08/12 15:30	06/11/12 11:03	1
Copper	ND		1.1		mg/Kg		06/08/12 15:30	06/11/12 11:03	1
Lead	ND		1.1		mg/Kg		06/08/12 15:30	06/11/12 11:03	1
Molybdenum	ND		1.1		mg/Kg		06/08/12 15:30	06/11/12 11:03	1
Nickel	ND		5.5		mg/Kg		06/08/12 15:30	06/11/12 11:03	1
Selenium	ND		4.4		mg/Kg		06/08/12 15:30	06/11/12 11:03	1
Silver	ND		0.55		mg/Kg		06/08/12 15:30	06/11/12 11:03	1
Thallium	ND		6.6		mg/Kg		06/08/12 15:30	06/11/12 11:03	1
Vanadium	ND		0.55		mg/Kg		06/08/12 15:30	06/11/12 11:03	1
Zinc	ND		2.2		mg/Kg		06/08/12 15:30	06/11/12 11:03	1

Lab Sample ID: LCSSRM 480-67698/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67964 — **Prep Batch: 67698**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	93.2	86.8		mg/Kg		93.1	24.8 - 272.2
Arsenic	94.4	90.8		mg/Kg		96.2	69.2 - 131.2
Barium	167	149		mg/Kg		89.2	72.5 - 126.9

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

Lab Sample ID: LCSSRM 480-67698/2-A
Matrix: Solid
Analysis Batch: 67964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67698

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	57.5	54.6		mg/Kg		94.9	73.3 - 126.7
Cadmium	60.4	58.9		mg/Kg		97.4	73.2 - 126.8
Chromium	70.3	62.0		mg/Kg		88.2	68.5 - 131.5
Cobalt	102	99.9		mg/Kg		98.1	74.5 - 125.5
Copper	79.5	76.8		mg/Kg		96.7	73.6 - 125.6
Lead	91.7	88.8		mg/Kg		96.9	70.3 - 129.6
Molybdenum	41.7	42.6		mg/Kg		102.4	65.2 - 143.9
Nickel	57.5	56.5		mg/Kg		98.2	70.0 - 130.2
Selenium	86.3	84.6		mg/Kg		98.0	64.0 - 136.6
Silver	34.4	32.4		mg/Kg		94.2	65.7 - 134.6
Thallium	120	121		mg/Kg		100.6	67.3 - 131.7
Vanadium	56.9	50.5		mg/Kg		88.7	53.7 - 146.1
Zinc	140	124		mg/Kg		88.5	67.4 - 132.9

Lab Sample ID: 440-13562-42 MS
Matrix: Solid
Analysis Batch: 67964

Client Sample ID: SB-9-3
Prep Type: Total/NA
Prep Batch: 67698

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND		36.5	26.2	F	mg/Kg		72	75 - 125
Arsenic	6.0		36.5	40.2		mg/Kg		94	75 - 125
Barium	73		36.5	90.7	F	mg/Kg		47	75 - 125
Beryllium	0.34		36.5	34.9		mg/Kg		95	75 - 125
Cadmium	ND		36.5	35.1		mg/Kg		96	75 - 125
Chromium	6.2		36.5	41.5		mg/Kg		97	75 - 125
Cobalt	3.5		36.5	39.3		mg/Kg		98	75 - 125
Copper	6.4		36.5	42.4		mg/Kg		99	75 - 125
Lead	11		36.5	51.5		mg/Kg		111	75 - 125
Molybdenum	ND		36.5	34.7		mg/Kg		94	75 - 125
Nickel	ND		36.5	39.2		mg/Kg		97	75 - 125
Selenium	ND		36.5	33.3		mg/Kg		90	75 - 125
Silver	ND		9.11	8.36		mg/Kg		92	75 - 125
Thallium	ND		36.5	36.0		mg/Kg		99	75 - 125
Vanadium	16		36.5	55.3		mg/Kg		107	75 - 125
Zinc	31		36.5	60.5		mg/Kg		81	75 - 125

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

Lab Sample ID: 440-13562-42 MSD — **Client Sample ID: SB-9-3**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67964 — **Prep Batch: 67698**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND		40.9	30.8		mg/Kg		75	75 - 125	16	20
Arsenic	6.0		40.9	44.0		mg/Kg		93	75 - 125	9	20
Barium	73		40.9	107		mg/Kg		82	75 - 125	16	20
Beryllium	0.34		40.9	38.9		mg/Kg		94	75 - 125	11	20
Cadmium	ND		40.9	39.2		mg/Kg		96	75 - 125	11	20
Chromium	6.2		40.9	46.5		mg/Kg		98	75 - 125	11	20
Cobalt	3.5		40.9	43.4		mg/Kg		98	75 - 125	10	20
Copper	6.4		40.9	46.7		mg/Kg		98	75 - 125	10	20
Lead	11		40.9	52.3		mg/Kg		101	75 - 125	2	20
Molybdenum	ND		40.9	39.1		mg/Kg		95	75 - 125	12	20
Nickel	ND		40.9	43.3		mg/Kg		97	75 - 125	10	20
Selenium	ND		40.9	37.4		mg/Kg		90	75 - 125	12	20
Silver	ND		10.2	9.40		mg/Kg		92	75 - 125	12	20
Thallium	ND		40.9	39.9		mg/Kg		98	75 - 125	10	20
Vanadium	16		40.9	60.1		mg/Kg		107	75 - 125	8	20
Zinc	31		40.9	64.9		mg/Kg		83	75 - 125	7	20

Lab Sample ID: MB 480-67893/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 68056 — **Prep Batch: 67893**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15		mg/Kg		06/11/12 12:00	06/11/12 19:20	1
Arsenic	ND		2.0		mg/Kg		06/11/12 12:00	06/11/12 19:20	1
Barium	ND		0.49		mg/Kg		06/11/12 12:00	06/11/12 19:20	1
Beryllium	ND		0.20		mg/Kg		06/11/12 12:00	06/11/12 19:20	1
Cadmium	ND		0.20		mg/Kg		06/11/12 12:00	06/11/12 19:20	1
Chromium	ND		0.49		mg/Kg		06/11/12 12:00	06/11/12 19:20	1
Cobalt	ND		0.49		mg/Kg		06/11/12 12:00	06/11/12 19:20	1
Copper	ND		0.98		mg/Kg		06/11/12 12:00	06/11/12 19:20	1
Lead	ND		0.98		mg/Kg		06/11/12 12:00	06/11/12 19:20	1
Molybdenum	ND		0.98		mg/Kg		06/11/12 12:00	06/11/12 19:20	1
Nickel	ND		4.9		mg/Kg		06/11/12 12:00	06/11/12 19:20	1
Selenium	ND		3.9		mg/Kg		06/11/12 12:00	06/11/12 19:20	1
Silver	ND		0.49		mg/Kg		06/11/12 12:00	06/11/12 19:20	1
Thallium	ND		5.9		mg/Kg		06/11/12 12:00	06/11/12 19:20	1
Vanadium	ND		0.49		mg/Kg		06/11/12 12:00	06/11/12 19:20	1
Zinc	ND		2.0		mg/Kg		06/11/12 12:00	06/11/12 19:20	1

Lab Sample ID: LCSSRM 480-67893/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 68056 — **Prep Batch: 67893**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	93.4	78.4		mg/Kg		83.9	24.8 - 272.2
Arsenic	94.6	88.2		mg/Kg		93.3	69.2 - 131.2
Barium	167	154		mg/Kg		92.2	72.5 - 126.9

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

Lab Sample ID: LCSSRM 480-67893/2-A
Matrix: Solid
Analysis Batch: 68056

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67893

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	57.6	57.3		mg/Kg		99.3	73.3 - 126.7
Cadmium	60.5	56.9		mg/Kg		93.9	73.2 - 126.8
Chromium	70.5	63.1		mg/Kg		89.6	68.5 - 131.5
Cobalt	102	101		mg/Kg		98.5	74.5 - 125.5
Copper	79.7	77.7		mg/Kg		97.5	73.6 - 125.6
Lead	91.9	88.5		mg/Kg		96.3	70.3 - 129.6
Molybdenum	41.7	42.9		mg/Kg		102.8	65.2 - 143.9
Nickel	57.6	56.7		mg/Kg		98.4	70.0 - 130.2
Selenium	86.5	82.8		mg/Kg		95.8	64.0 - 136.6
Silver	34.4	32.6		mg/Kg		94.7	65.7 - 134.6
Thallium	120	117		mg/Kg		97.3	67.3 - 131.7
Vanadium	57.0	50.2		mg/Kg		88.0	53.7 - 146.1
Zinc	140	125		mg/Kg		89.0	67.4 - 132.9

Lab Sample ID: 440-13562-61 MS
Matrix: Solid
Analysis Batch: 68056

Client Sample ID: SB-13-2
Prep Type: Total/NA
Prep Batch: 67893

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND		40.2	36.4		mg/Kg		91	75 - 125
Arsenic	3.5		40.2	41.5		mg/Kg		94	75 - 125
Barium	56		40.2	146	F	mg/Kg		224	75 - 125
Beryllium	0.24		40.2	41.7		mg/Kg		103	75 - 125
Cadmium	ND		40.2	38.4		mg/Kg		95	75 - 125
Chromium	8.4		40.2	44.7		mg/Kg		90	75 - 125
Cobalt	2.6		40.2	42.5		mg/Kg		99	75 - 125
Copper	24		40.2	66.9		mg/Kg		107	75 - 125
Lead	120		40.2	242	F	mg/Kg		296	75 - 125
Molybdenum	1.5		40.2	39.2		mg/Kg		94	75 - 125
Nickel	ND		40.2	45.2		mg/Kg		99	75 - 125
Selenium	ND		40.2	37.7		mg/Kg		92	75 - 125
Silver	ND		10.1	9.22		mg/Kg		92	75 - 125
Thallium	ND		40.2	37.4		mg/Kg		93	75 - 125
Vanadium	16		40.2	52.2		mg/Kg		91	75 - 125
Zinc	86		40.2	127		mg/Kg		103	75 - 125

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

Lab Sample ID: 440-13562-61 MSD — **Client Sample ID: SB-13-2**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 68056 — **Prep Batch: 67893**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND		39.6	35.4		mg/Kg		89	75 - 125	3	20
Arsenic	3.5		39.6	41.1		mg/Kg		95	75 - 125	1	20
Barium	56		39.6	99.8	F	mg/Kg		110	75 - 125	38	20
Beryllium	0.24		39.6	41.7		mg/Kg		105	75 - 125	0	20
Cadmium	ND		39.6	38.4		mg/Kg		97	75 - 125	0	20
Chromium	8.4		39.6	46.9		mg/Kg		97	75 - 125	5	20
Cobalt	2.6		39.6	44.2		mg/Kg		105	75 - 125	4	20
Copper	24		39.6	60.6		mg/Kg		93	75 - 125	10	20
Lead	120		39.6	142	F	mg/Kg		48	75 - 125	52	20
Molybdenum	1.5		39.6	39.1		mg/Kg		95	75 - 125	0	20
Nickel	ND		39.6	45.7		mg/Kg		102	75 - 125	1	20
Selenium	ND		39.6	37.7		mg/Kg		93	75 - 125	0	20
Silver	ND		9.90	9.31		mg/Kg		94	75 - 125	1	20
Thallium	ND		39.6	37.9		mg/Kg		96	75 - 125	1	20
Vanadium	16		39.6	55.4		mg/Kg		101	75 - 125	6	20
Zinc	86		39.6	116		mg/Kg		77	75 - 125	9	20

Lab Sample ID: MB 480-67900/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 68055 — **Prep Batch: 67900**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16		mg/Kg		06/11/12 12:00	06/11/12 18:13	1
Arsenic	ND		2.1		mg/Kg		06/11/12 12:00	06/11/12 18:13	1
Barium	ND		0.54		mg/Kg		06/11/12 12:00	06/11/12 18:13	1
Beryllium	ND		0.21		mg/Kg		06/11/12 12:00	06/11/12 18:13	1
Cadmium	ND		0.21		mg/Kg		06/11/12 12:00	06/11/12 18:13	1
Chromium	ND		0.54		mg/Kg		06/11/12 12:00	06/11/12 18:13	1
Cobalt	ND		0.54		mg/Kg		06/11/12 12:00	06/11/12 18:13	1
Copper	ND		1.1		mg/Kg		06/11/12 12:00	06/11/12 18:13	1
Lead	ND		1.1		mg/Kg		06/11/12 12:00	06/11/12 18:13	1
Molybdenum	ND		1.1		mg/Kg		06/11/12 12:00	06/11/12 18:13	1
Nickel	ND		5.4		mg/Kg		06/11/12 12:00	06/11/12 18:13	1
Selenium	ND		4.3		mg/Kg		06/11/12 12:00	06/11/12 18:13	1
Silver	ND		0.54		mg/Kg		06/11/12 12:00	06/11/12 18:13	1
Thallium	ND		6.4		mg/Kg		06/11/12 12:00	06/11/12 18:13	1
Vanadium	ND		0.54		mg/Kg		06/11/12 12:00	06/11/12 18:13	1
Zinc	ND		2.1		mg/Kg		06/11/12 12:00	06/11/12 18:13	1

Lab Sample ID: LCSSRM 480-67900/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 68055 — **Prep Batch: 67900**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	93.4	76.0		mg/Kg		81.3	24.8 - 272.2
Arsenic	94.6	86.2		mg/Kg		91.1	69.2 - 131.2
Barium	167	154		mg/Kg		92.2	72.5 - 126.9

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

Lab Sample ID: LCSSRM 480-67900/2-A
Matrix: Solid
Analysis Batch: 68055

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67900

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	57.7	55.2		mg/Kg		95.8	73.3 - 126.7
Cadmium	60.6	55.9		mg/Kg		92.3	73.2 - 126.8
Chromium	70.5	61.1		mg/Kg		86.8	68.5 - 131.5
Cobalt	102	97.4		mg/Kg		95.4	74.5 - 125.5
Copper	79.7	77.3		mg/Kg		97.1	73.6 - 125.6
Lead	91.9	85.3		mg/Kg		92.8	70.3 - 129.6
Molybdenum	41.7	40.6		mg/Kg		97.2	65.2 - 143.9
Nickel	57.7	55.2		mg/Kg		95.7	70.0 - 130.2
Selenium	86.5	82.3		mg/Kg		95.1	64.0 - 136.6
Silver	34.4	32.0		mg/Kg		92.9	65.7 - 134.6
Thallium	120	113		mg/Kg		94.4	67.3 - 131.7
Vanadium	57.1	48.9		mg/Kg		85.8	53.7 - 146.1
Zinc	140	121		mg/Kg		86.3	67.4 - 132.9

Lab Sample ID: 440-13562-5 MS
Matrix: Solid
Analysis Batch: 68055

Client Sample ID: SB-2-1
Prep Type: Total/NA
Prep Batch: 67900

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND		41.4	35.0		mg/Kg		84	75 - 125
Arsenic	2.6		41.4	42.0		mg/Kg		95	75 - 125
Barium	49		41.4	84.1		mg/Kg		85	75 - 125
Beryllium	ND		41.4	42.8		mg/Kg		103	75 - 125
Cadmium	1.6		41.4	40.6		mg/Kg		94	75 - 125
Chromium	13		41.4	53.2		mg/Kg		98	75 - 125
Cobalt	4.7		41.4	47.3		mg/Kg		103	75 - 125
Copper	8.9		41.4	50.1		mg/Kg		99	75 - 125
Lead	19		41.4	53.8		mg/Kg		85	75 - 125
Molybdenum	ND		41.4	40.2		mg/Kg		97	75 - 125
Nickel	ND		41.4	46.9		mg/Kg		101	75 - 125
Selenium	ND		41.4	39.2		mg/Kg		95	75 - 125
Silver	ND		10.4	9.80		mg/Kg		95	75 - 125
Thallium	ND		41.4	40.7		mg/Kg		98	75 - 125
Vanadium	32		41.4	75.9		mg/Kg		106	75 - 125
Zinc	75		41.4	96.4	F	mg/Kg		52	75 - 125

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

Lab Sample ID: 440-13562-5 MSD — **Client Sample ID: SB-2-1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 68055 — **Prep Batch: 67900**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND		39.9	33.4		mg/Kg		84	75 - 125	5	20
Arsenic	2.6		39.9	40.9		mg/Kg		96	75 - 125	3	20
Barium	49		39.9	105	F	mg/Kg		140	75 - 125	22	20
Beryllium	ND		39.9	40.5		mg/Kg		101	75 - 125	6	20
Cadmium	1.6		39.9	38.6		mg/Kg		93	75 - 125	5	20
Chromium	13		39.9	50.5		mg/Kg		95	75 - 125	5	20
Cobalt	4.7		39.9	44.3		mg/Kg		99	75 - 125	7	20
Copper	8.9		39.9	50.7		mg/Kg		105	75 - 125	1	20
Lead	19		39.9	59.0		mg/Kg		101	75 - 125	9	20
Molybdenum	ND		39.9	38.1		mg/Kg		95	75 - 125	5	20
Nickel	ND		39.9	44.6		mg/Kg		100	75 - 125	5	20
Selenium	ND		39.9	37.6		mg/Kg		94	75 - 125	4	20
Silver	ND		9.96	9.17		mg/Kg		92	75 - 125	7	20
Thallium	ND		39.9	39.2		mg/Kg		98	75 - 125	4	20
Vanadium	32		39.9	69.2		mg/Kg		93	75 - 125	9	20
Zinc	75		39.9	99.1	F	mg/Kg		60	75 - 125	3	20

Lab Sample ID: MB 480-68648/2-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 68841 — **Prep Batch: 68648**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050		mg/L		06/15/12 12:00	06/16/12 01:26	1

Lab Sample ID: LCS 480-68648/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 68841 — **Prep Batch: 68648**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.200	0.210		mg/L		105	80 - 120

Lab Sample ID: LB 480-68510/1-B LB — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 68841 — **Prep Batch: 68648**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050		mg/L		06/15/12 12:00	06/16/12 01:24	1

Lab Sample ID: 480-21280-B-1-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 68841 — **Prep Batch: 68648**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.0077		0.200	0.223		mg/L		108	75 - 125

Lab Sample ID: 480-21280-B-1-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 68841 — **Prep Batch: 68648**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	0.0077		0.200	0.225		mg/L		109	75 - 125	1	20

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

Lab Sample ID: MB 440-32464/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: STLC Citrate**
Analysis Batch: 33217

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.10		mg/L			06/15/12 12:53	20

Lab Sample ID: LCS 440-32464/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: STLC Citrate**
Analysis Batch: 33217

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	20.0	19.2		mg/L		96	80 - 120

Lab Sample ID: 440-13277-A-1-K MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: STLC Citrate**
Analysis Batch: 33217

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1.6		20.0	20.1		mg/L		92	75 - 125

Lab Sample ID: 440-13277-A-1-K MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: STLC Citrate**
Analysis Batch: 33217

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	1.6		20.0	20.6		mg/L		95	75 - 125	2	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 480-67702/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67849 — **Prep Batch: 67702**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.020		mg/Kg		06/08/12 15:00	06/08/12 17:45	1

Lab Sample ID: LCSSRM 480-67702/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67849 — **Prep Batch: 67702**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	3.77	3.55		mg/Kg		94.3	71.6 - 128.4

Lab Sample ID: 440-13562-B-21-E MS — **Client Sample ID: 440-13562-B-21-E MS**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67849 — **Prep Batch: 67702**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	0.00483		0.312	0.313		mg/Kg		101	75 - 125

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: 440-13562-B-21-F MSD — **Client Sample ID: 440-13562-B-21-F MSD**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67849 — **Prep Batch: 67702**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hg	0.00483		0.315	0.317		mg/Kg		101	75 - 125	1	20

Lab Sample ID: MB 480-67704/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67849 — **Prep Batch: 67704**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.019		mg/Kg		06/08/12 15:00	06/08/12 16:44	1

Lab Sample ID: LCSSRM 480-67704/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67849 — **Prep Batch: 67704**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	3.77	3.62		mg/Kg		96.1	71.6 - 128.4

Lab Sample ID: 440-13562-B-42-E MS — **Client Sample ID: 440-13562-B-42-E MS**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67849 — **Prep Batch: 67704**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	0.00568		0.305	0.311		mg/Kg		102	75 - 125

Lab Sample ID: 440-13562-B-42-F MSD — **Client Sample ID: 440-13562-B-42-F MSD**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67849 — **Prep Batch: 67704**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hg	0.00568		0.323	0.324		mg/Kg		100	75 - 125	4	20

Lab Sample ID: MB 480-67915/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67986 — **Prep Batch: 67915**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.018		mg/Kg		06/11/12 11:20	06/11/12 13:08	1

Lab Sample ID: LCSSRM 480-67915/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67986 — **Prep Batch: 67915**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	3.77	3.64		mg/Kg		96.6	71.6 - 128.4

Lab Sample ID: 440-13562-B-61-E MS — **Client Sample ID: 440-13562-B-61-E MS**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67986 — **Prep Batch: 67915**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hg	0.00485		0.318	0.362		mg/Kg		114	75 - 125

QC Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Lab Sample ID: 440-13562-B-61-F MSD — **Client Sample ID: 440-13562-B-61-F MSD**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67986 — **Prep Batch: 67915**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hg	0.00485		0.317	0.359		mg/Kg		113	75 - 125	1	20

Lab Sample ID: MB 480-67916/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67986 — **Prep Batch: 67916**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		0.020		mg/Kg		06/11/12 11:20	06/11/12 13:46	1

Lab Sample ID: LCSSRM 480-67916/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67986 — **Prep Batch: 67916**

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Hg			3.77	3.92		mg/Kg		103.9	71.6 - 128.4		

Lab Sample ID: 440-13562-5 MS — **Client Sample ID: SB-2-1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67986 — **Prep Batch: 67916**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Hg	ND		0.319	0.358		mg/Kg		109	75 - 125		

Lab Sample ID: 440-13562-5 MSD — **Client Sample ID: SB-2-1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67986 — **Prep Batch: 67916**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hg	ND		0.304	0.342		mg/Kg		109	75 - 125	4	20

GC/MS VOA

Analysis Batch: 31174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13378-A-3 MS	Matrix Spike	Total/NA	Solid	8260B	
440-13378-A-3 MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	
440-13562-40	SB-9-1	Total/NA	Solid	8260B	
440-13562-67	SB-14-3	Total/NA	Solid	8260B	
440-13562-75	SB-16-1	Total/NA	Solid	8260B	
LCS 440-31174/5	Lab Control Sample	Total/NA	Solid	8260B	
MB 440-31174/4	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 31263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-44	SB-9-5	Total/NA	Solid	8260B	31275
440-13562-69	SB-14-5	Total/NA	Solid	8260B	31275
LCS 440-31263/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 440-31263/5	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 440-31263/3	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 31275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-44	SB-9-5	Total/NA	Solid	5030B	
440-13562-69	SB-14-5	Total/NA	Solid	5030B	
440-13562-72	SB-15-3	Total/NA	Solid	5030B	
440-13562-74	SB-15-5	Total/NA	Solid	5030B	
440-13562-79	SB-16-5	Total/NA	Solid	5030B	

Analysis Batch: 31612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-72	SB-15-3	Total/NA	Solid	8260B	31275
440-13562-74	SB-15-5	Total/NA	Solid	8260B	31275
440-13562-79	SB-16-5	Total/NA	Solid	8260B	31275
LCS 440-31612/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 440-31612/5	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 440-31612/8	Method Blank	Total/NA	Solid	8260B	

GC VOA

Analysis Batch: 31060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-40	SB-9-1	Total/NA	Solid	8015B	
440-13562-67	SB-14-3	Total/NA	Solid	8015B	
440-13562-72	SB-15-3	Total/NA	Solid	8015B	
440-13562-75	SB-16-1	Total/NA	Solid	8015B	
440-13562-75 MS	SB-16-1	Total/NA	Solid	8015B	
440-13562-75 MSD	SB-16-1	Total/NA	Solid	8015B	
LCS 440-31060/2	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 440-31060/3	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 440-31060/4	Method Blank	Total/NA	Solid	8015B	

Analysis Batch: 31271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-44	SB-9-5	Total/NA	Solid	8015B	31356
440-13562-69	SB-14-5	Total/NA	Solid	8015B	31356
440-13562-74	SB-15-5	Total/NA	Solid	8015B	31356

GC VOA (Continued)

Analysis Batch: 31271 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-79	SB-16-5	Total/NA	Solid	8015B	31356
LCS 440-31271/2	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 440-31271/3	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 440-31271/4	Method Blank	Total/NA	Solid	8015B	

Prep Batch: 31356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-44	SB-9-5	Total/NA	Solid	5030B	
440-13562-69	SB-14-5	Total/NA	Solid	5030B	
440-13562-74	SB-15-5	Total/NA	Solid	5030B	
440-13562-79	SB-16-5	Total/NA	Solid	5030B	

GC Semi VOA

Prep Batch: 30834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-12923-A-16-B MS	Matrix Spike	Total/NA	Solid	CA LUFT	
440-12923-A-16-C MSD	Matrix Spike Duplicate	Total/NA	Solid	CA LUFT	
440-13562-40	SB-9-1	Total/NA	Solid	CA LUFT	
440-13562-44	SB-9-5	Total/NA	Solid	CA LUFT	
440-13562-67	SB-14-3	Total/NA	Solid	CA LUFT	
440-13562-69	SB-14-5	Total/NA	Solid	CA LUFT	
LCS 440-30834/2-A	Lab Control Sample	Total/NA	Solid	CA LUFT	
MB 440-30834/1-A	Method Blank	Total/NA	Solid	CA LUFT	

Analysis Batch: 30917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-12923-A-16-B MS	Matrix Spike	Total/NA	Solid	8015B	30834
440-12923-A-16-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	30834
LCS 440-30834/2-A	Lab Control Sample	Total/NA	Solid	8015B	30834
MB 440-30834/1-A	Method Blank	Total/NA	Solid	8015B	30834

Prep Batch: 30987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13111-B-2-E MS	Matrix Spike	Total/NA	Solid	CA LUFT	
440-13111-B-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	CA LUFT	
440-13562-72	SB-15-3	Total/NA	Solid	CA LUFT	
440-13562-74	SB-15-5	Total/NA	Solid	CA LUFT	
440-13562-75	SB-16-1	Total/NA	Solid	CA LUFT	
440-13562-79	SB-16-5	Total/NA	Solid	CA LUFT	
LCS 440-30987/2-A	Lab Control Sample	Total/NA	Solid	CA LUFT	
MB 440-30987/1-A	Method Blank	Total/NA	Solid	CA LUFT	

Analysis Batch: 31224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13111-B-2-E MS	Matrix Spike	Total/NA	Solid	8015B	30987
440-13111-B-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	30987
LCS 440-30987/2-A	Lab Control Sample	Total/NA	Solid	8015B	30987
MB 440-30987/1-A	Method Blank	Total/NA	Solid	8015B	30987

GC Semi VOA (Continued)

Analysis Batch: 31433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-40	SB-9-1	Total/NA	Solid	8015B	30834
440-13562-44	SB-9-5	Total/NA	Solid	8015B	30834
440-13562-67	SB-14-3	Total/NA	Solid	8015B	30834
440-13562-69	SB-14-5	Total/NA	Solid	8015B	30834
440-13562-72	SB-15-3	Total/NA	Solid	8015B	30987
440-13562-74	SB-15-5	Total/NA	Solid	8015B	30987
440-13562-75	SB-16-1	Total/NA	Solid	8015B	30987
440-13562-79	SB-16-5	Total/NA	Solid	8015B	30987

Metals

Leach Batch: 32464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13277-A-1-K MS	Matrix Spike	STLC Citrate	Solid	CA WET Citrate	
440-13277-A-1-K MSD	Matrix Spike Duplicate	STLC Citrate	Solid	CA WET Citrate	
440-13562-30	SB-7-1	STLC Citrate	Solid	CA WET Citrate	
LCS 440-32464/2-A	Lab Control Sample	STLC Citrate	Solid	CA WET Citrate	
MB 440-32464/1-A	Method Blank	STLC Citrate	Solid	CA WET Citrate	

Analysis Batch: 33217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13277-A-1-K MS	Matrix Spike	STLC Citrate	Solid	6010B	
440-13277-A-1-K MSD	Matrix Spike Duplicate	STLC Citrate	Solid	6010B	
440-13562-30	SB-7-1	STLC Citrate	Solid	6010B	
LCS 440-32464/2-A	Lab Control Sample	STLC Citrate	Solid	6010B	
MB 440-32464/1-A	Method Blank	STLC Citrate	Solid	6010B	

Prep Batch: 67697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-20	SB-5-1	Total/NA	Solid	3050B	
440-13562-21	SB-5-2	Total/NA	Solid	3050B	
440-13562-21 MS	SB-5-2	Total/NA	Solid	3050B	
440-13562-21 MSD	SB-5-2	Total/NA	Solid	3050B	
440-13562-22	SB-5-3	Total/NA	Solid	3050B	
440-13562-25	SB-6-1	Total/NA	Solid	3050B	
440-13562-26	SB-6-2	Total/NA	Solid	3050B	
440-13562-27	SB-6-3	Total/NA	Solid	3050B	
440-13562-30	SB-7-1	Total/NA	Solid	3050B	
440-13562-31	SB-7-2	Total/NA	Solid	3050B	
440-13562-32	SB-7-3	Total/NA	Solid	3050B	
440-13562-35	SB-8-1	Total/NA	Solid	3050B	
440-13562-36	SB-8-2	Total/NA	Solid	3050B	
440-13562-37	SB-8-3	Total/NA	Solid	3050B	
LCSSRM 480-67697/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-67697/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 67698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-40	SB-9-1	Total/NA	Solid	3050B	
440-13562-41	SB-9-2	Total/NA	Solid	3050B	
440-13562-42	SB-9-3	Total/NA	Solid	3050B	
440-13562-42 MS	SB-9-3	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 67698 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-42 MSD	SB-9-3	Total/NA	Solid	3050B	
440-13562-45	SB-10-1	Total/NA	Solid	3050B	
440-13562-46	SB-10-2	Total/NA	Solid	3050B	
440-13562-47	SB-10-3	Total/NA	Solid	3050B	
440-13562-50	SB-11-1	Total/NA	Solid	3050B	
440-13562-51	SB-11-2	Total/NA	Solid	3050B	
440-13562-52	SB-11-3	Total/NA	Solid	3050B	
440-13562-55	SB-12-1	Total/NA	Solid	3050B	
440-13562-56	SB-12-2	Total/NA	Solid	3050B	
440-13562-57	SB-12-3	Total/NA	Solid	3050B	
LCSSRM 480-67698/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-67698/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 67702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-20	SB-5-1	Total/NA	Solid	7471A	
440-13562-21	SB-5-2	Total/NA	Solid	7471A	
440-13562-22	SB-5-3	Total/NA	Solid	7471A	
440-13562-25	SB-6-1	Total/NA	Solid	7471A	
440-13562-26	SB-6-2	Total/NA	Solid	7471A	
440-13562-27	SB-6-3	Total/NA	Solid	7471A	
440-13562-30	SB-7-1	Total/NA	Solid	7471A	
440-13562-31	SB-7-2	Total/NA	Solid	7471A	
440-13562-32	SB-7-3	Total/NA	Solid	7471A	
440-13562-35	SB-8-1	Total/NA	Solid	7471A	
440-13562-36	SB-8-2	Total/NA	Solid	7471A	
440-13562-37	SB-8-3	Total/NA	Solid	7471A	
440-13562-B-21-E MS	440-13562-B-21-E MS	Total/NA	Solid	7471A	
440-13562-B-21-F MSD	440-13562-B-21-F MSD	Total/NA	Solid	7471A	
LCSSRM 480-67702/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 480-67702/1-A	Method Blank	Total/NA	Solid	7471A	

Prep Batch: 67704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-40	SB-9-1	Total/NA	Solid	7471A	
440-13562-41	SB-9-2	Total/NA	Solid	7471A	
440-13562-42	SB-9-3	Total/NA	Solid	7471A	
440-13562-45	SB-10-1	Total/NA	Solid	7471A	
440-13562-46	SB-10-2	Total/NA	Solid	7471A	
440-13562-47	SB-10-3	Total/NA	Solid	7471A	
440-13562-50	SB-11-1	Total/NA	Solid	7471A	
440-13562-51	SB-11-2	Total/NA	Solid	7471A	
440-13562-52	SB-11-3	Total/NA	Solid	7471A	
440-13562-55	SB-12-1	Total/NA	Solid	7471A	
440-13562-56	SB-12-2	Total/NA	Solid	7471A	
440-13562-57	SB-12-3	Total/NA	Solid	7471A	
440-13562-B-42-E MS	440-13562-B-42-E MS	Total/NA	Solid	7471A	
440-13562-B-42-F MSD	440-13562-B-42-F MSD	Total/NA	Solid	7471A	
LCSSRM 480-67704/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 480-67704/1-A	Method Blank	Total/NA	Solid	7471A	

Metals (Continued)

Analysis Batch: 67849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-20	SB-5-1	Total/NA	Solid	7471A	67702
440-13562-21	SB-5-2	Total/NA	Solid	7471A	67702
440-13562-22	SB-5-3	Total/NA	Solid	7471A	67702
440-13562-25	SB-6-1	Total/NA	Solid	7471A	67702
440-13562-26	SB-6-2	Total/NA	Solid	7471A	67702
440-13562-27	SB-6-3	Total/NA	Solid	7471A	67702
440-13562-30	SB-7-1	Total/NA	Solid	7471A	67702
440-13562-31	SB-7-2	Total/NA	Solid	7471A	67702
440-13562-32	SB-7-3	Total/NA	Solid	7471A	67702
440-13562-35	SB-8-1	Total/NA	Solid	7471A	67702
440-13562-36	SB-8-2	Total/NA	Solid	7471A	67702
440-13562-37	SB-8-3	Total/NA	Solid	7471A	67702
440-13562-40	SB-9-1	Total/NA	Solid	7471A	67704
440-13562-41	SB-9-2	Total/NA	Solid	7471A	67704
440-13562-42	SB-9-3	Total/NA	Solid	7471A	67704
440-13562-45	SB-10-1	Total/NA	Solid	7471A	67704
440-13562-46	SB-10-2	Total/NA	Solid	7471A	67704
440-13562-47	SB-10-3	Total/NA	Solid	7471A	67704
440-13562-50	SB-11-1	Total/NA	Solid	7471A	67704
440-13562-51	SB-11-2	Total/NA	Solid	7471A	67704
440-13562-52	SB-11-3	Total/NA	Solid	7471A	67704
440-13562-55	SB-12-1	Total/NA	Solid	7471A	67704
440-13562-56	SB-12-2	Total/NA	Solid	7471A	67704
440-13562-57	SB-12-3	Total/NA	Solid	7471A	67704
440-13562-B-21-E MS	440-13562-B-21-E MS	Total/NA	Solid	7471A	67702
440-13562-B-21-F MSD	440-13562-B-21-F MSD	Total/NA	Solid	7471A	67702
440-13562-B-42-E MS	440-13562-B-42-E MS	Total/NA	Solid	7471A	67704
440-13562-B-42-F MSD	440-13562-B-42-F MSD	Total/NA	Solid	7471A	67704
LCSSRM 480-67702/2-A	Lab Control Sample	Total/NA	Solid	7471A	67702
LCSSRM 480-67704/2-A	Lab Control Sample	Total/NA	Solid	7471A	67704
MB 480-67702/1-A	Method Blank	Total/NA	Solid	7471A	67702
MB 480-67704/1-A	Method Blank	Total/NA	Solid	7471A	67704

Prep Batch: 67893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-60	SB-13-1	Total/NA	Solid	3050B	
440-13562-61	SB-13-2	Total/NA	Solid	3050B	
440-13562-61 MS	SB-13-2	Total/NA	Solid	3050B	
440-13562-61 MSD	SB-13-2	Total/NA	Solid	3050B	
440-13562-62	SB-13-3	Total/NA	Solid	3050B	
440-13562-65	SB-14-1	Total/NA	Solid	3050B	
440-13562-66	SB-14-2	Total/NA	Solid	3050B	
440-13562-67	SB-14-3	Total/NA	Solid	3050B	
440-13562-70	SB-15-1	Total/NA	Solid	3050B	
440-13562-71	SB-15-2	Total/NA	Solid	3050B	
440-13562-72	SB-15-3	Total/NA	Solid	3050B	
440-13562-75	SB-16-1	Total/NA	Solid	3050B	
440-13562-76	SB-16-2	Total/NA	Solid	3050B	
440-13562-77	SB-16-3	Total/NA	Solid	3050B	
LCSSRM 480-67893/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-67893/1-A	Method Blank	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 67900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-1	SB-1-2	Total/NA	Solid	3050B	
440-13562-2	SB-1-3	Total/NA	Solid	3050B	
440-13562-5	SB-2-1	Total/NA	Solid	3050B	
440-13562-5 MS	SB-2-1	Total/NA	Solid	3050B	
440-13562-5 MSD	SB-2-1	Total/NA	Solid	3050B	
440-13562-6	SB-2-2	Total/NA	Solid	3050B	
440-13562-7	SB-2-3	Total/NA	Solid	3050B	
440-13562-10	SB-3-1	Total/NA	Solid	3050B	
440-13562-11	SB-3-2	Total/NA	Solid	3050B	
440-13562-12	SB-3-3	Total/NA	Solid	3050B	
440-13562-15	SB-4-1	Total/NA	Solid	3050B	
440-13562-16	SB-4-2	Total/NA	Solid	3050B	
440-13562-17	SB-4-3	Total/NA	Solid	3050B	
LCSSRM 480-67900/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-67900/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 67915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-60	SB-13-1	Total/NA	Solid	7471A	
440-13562-61	SB-13-2	Total/NA	Solid	7471A	
440-13562-62	SB-13-3	Total/NA	Solid	7471A	
440-13562-65	SB-14-1	Total/NA	Solid	7471A	
440-13562-66	SB-14-2	Total/NA	Solid	7471A	
440-13562-67	SB-14-3	Total/NA	Solid	7471A	
440-13562-70	SB-15-1	Total/NA	Solid	7471A	
440-13562-71	SB-15-2	Total/NA	Solid	7471A	
440-13562-72	SB-15-3	Total/NA	Solid	7471A	
440-13562-75	SB-16-1	Total/NA	Solid	7471A	
440-13562-76	SB-16-2	Total/NA	Solid	7471A	
440-13562-77	SB-16-3	Total/NA	Solid	7471A	
440-13562-B-61-E MS	440-13562-B-61-E MS	Total/NA	Solid	7471A	
440-13562-B-61-F MSD	440-13562-B-61-F MSD	Total/NA	Solid	7471A	
LCSSRM 480-67915/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 480-67915/1-A	Method Blank	Total/NA	Solid	7471A	

Prep Batch: 67916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-1	SB-1-2	Total/NA	Solid	7471A	
440-13562-2	SB-1-3	Total/NA	Solid	7471A	
440-13562-5	SB-2-1	Total/NA	Solid	7471A	
440-13562-5 MS	SB-2-1	Total/NA	Solid	7471A	
440-13562-5 MSD	SB-2-1	Total/NA	Solid	7471A	
440-13562-6	SB-2-2	Total/NA	Solid	7471A	
440-13562-7	SB-2-3	Total/NA	Solid	7471A	
440-13562-10	SB-3-1	Total/NA	Solid	7471A	
440-13562-11	SB-3-2	Total/NA	Solid	7471A	
440-13562-12	SB-3-3	Total/NA	Solid	7471A	
440-13562-15	SB-4-1	Total/NA	Solid	7471A	
440-13562-16	SB-4-2	Total/NA	Solid	7471A	
440-13562-17	SB-4-3	Total/NA	Solid	7471A	
LCSSRM 480-67916/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 480-67916/1-A	Method Blank	Total/NA	Solid	7471A	

Metals (Continued)

Analysis Batch: 67963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-20	SB-5-1	Total/NA	Solid	6010B	67697
440-13562-21	SB-5-2	Total/NA	Solid	6010B	67697
440-13562-21 MS	SB-5-2	Total/NA	Solid	6010B	67697
440-13562-21 MSD	SB-5-2	Total/NA	Solid	6010B	67697
440-13562-22	SB-5-3	Total/NA	Solid	6010B	67697
440-13562-25	SB-6-1	Total/NA	Solid	6010B	67697
440-13562-26	SB-6-2	Total/NA	Solid	6010B	67697
440-13562-27	SB-6-3	Total/NA	Solid	6010B	67697
440-13562-30	SB-7-1	Total/NA	Solid	6010B	67697
440-13562-31	SB-7-2	Total/NA	Solid	6010B	67697
440-13562-32	SB-7-3	Total/NA	Solid	6010B	67697
440-13562-35	SB-8-1	Total/NA	Solid	6010B	67697
440-13562-36	SB-8-2	Total/NA	Solid	6010B	67697
440-13562-37	SB-8-3	Total/NA	Solid	6010B	67697
LCSSRM 480-67697/2-A	Lab Control Sample	Total/NA	Solid	6010B	67697
MB 480-67697/1-A	Method Blank	Total/NA	Solid	6010B	67697

Analysis Batch: 67964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-40	SB-9-1	Total/NA	Solid	6010B	67698
440-13562-41	SB-9-2	Total/NA	Solid	6010B	67698
440-13562-42	SB-9-3	Total/NA	Solid	6010B	67698
440-13562-42 MS	SB-9-3	Total/NA	Solid	6010B	67698
440-13562-42 MSD	SB-9-3	Total/NA	Solid	6010B	67698
440-13562-45	SB-10-1	Total/NA	Solid	6010B	67698
440-13562-46	SB-10-2	Total/NA	Solid	6010B	67698
440-13562-47	SB-10-3	Total/NA	Solid	6010B	67698
440-13562-50	SB-11-1	Total/NA	Solid	6010B	67698
440-13562-51	SB-11-2	Total/NA	Solid	6010B	67698
440-13562-52	SB-11-3	Total/NA	Solid	6010B	67698
440-13562-55	SB-12-1	Total/NA	Solid	6010B	67698
440-13562-56	SB-12-2	Total/NA	Solid	6010B	67698
440-13562-57	SB-12-3	Total/NA	Solid	6010B	67698
LCSSRM 480-67698/2-A	Lab Control Sample	Total/NA	Solid	6010B	67698
MB 480-67698/1-A	Method Blank	Total/NA	Solid	6010B	67698

Analysis Batch: 67986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-1	SB-1-2	Total/NA	Solid	7471A	67916
440-13562-2	SB-1-3	Total/NA	Solid	7471A	67916
440-13562-5	SB-2-1	Total/NA	Solid	7471A	67916
440-13562-5 MS	SB-2-1	Total/NA	Solid	7471A	67916
440-13562-5 MSD	SB-2-1	Total/NA	Solid	7471A	67916
440-13562-6	SB-2-2	Total/NA	Solid	7471A	67916
440-13562-7	SB-2-3	Total/NA	Solid	7471A	67916
440-13562-10	SB-3-1	Total/NA	Solid	7471A	67916
440-13562-11	SB-3-2	Total/NA	Solid	7471A	67916
440-13562-12	SB-3-3	Total/NA	Solid	7471A	67916
440-13562-15	SB-4-1	Total/NA	Solid	7471A	67916
440-13562-16	SB-4-2	Total/NA	Solid	7471A	67916
440-13562-17	SB-4-3	Total/NA	Solid	7471A	67916
440-13562-60	SB-13-1	Total/NA	Solid	7471A	67915

Metals (Continued)

Analysis Batch: 67986 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-61	SB-13-2	Total/NA	Solid	7471A	67915
440-13562-62	SB-13-3	Total/NA	Solid	7471A	67915
440-13562-65	SB-14-1	Total/NA	Solid	7471A	67915
440-13562-66	SB-14-2	Total/NA	Solid	7471A	67915
440-13562-67	SB-14-3	Total/NA	Solid	7471A	67915
440-13562-70	SB-15-1	Total/NA	Solid	7471A	67915
440-13562-71	SB-15-2	Total/NA	Solid	7471A	67915
440-13562-72	SB-15-3	Total/NA	Solid	7471A	67915
440-13562-75	SB-16-1	Total/NA	Solid	7471A	67915
440-13562-76	SB-16-2	Total/NA	Solid	7471A	67915
440-13562-77	SB-16-3	Total/NA	Solid	7471A	67915
440-13562-B-61-E MS	440-13562-B-61-E MS	Total/NA	Solid	7471A	67915
440-13562-B-61-F MSD	440-13562-B-61-F MSD	Total/NA	Solid	7471A	67915
LCSSRM 480-67915/2-A	Lab Control Sample	Total/NA	Solid	7471A	67915
LCSSRM 480-67916/2-A	Lab Control Sample	Total/NA	Solid	7471A	67916
MB 480-67915/1-A	Method Blank	Total/NA	Solid	7471A	67915
MB 480-67916/1-A	Method Blank	Total/NA	Solid	7471A	67916

Analysis Batch: 68055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-1	SB-1-2	Total/NA	Solid	6010B	67900
440-13562-2	SB-1-3	Total/NA	Solid	6010B	67900
440-13562-5	SB-2-1	Total/NA	Solid	6010B	67900
440-13562-5 MS	SB-2-1	Total/NA	Solid	6010B	67900
440-13562-5 MSD	SB-2-1	Total/NA	Solid	6010B	67900
440-13562-6	SB-2-2	Total/NA	Solid	6010B	67900
440-13562-7	SB-2-3	Total/NA	Solid	6010B	67900
440-13562-10	SB-3-1	Total/NA	Solid	6010B	67900
440-13562-11	SB-3-2	Total/NA	Solid	6010B	67900
440-13562-12	SB-3-3	Total/NA	Solid	6010B	67900
440-13562-15	SB-4-1	Total/NA	Solid	6010B	67900
440-13562-16	SB-4-2	Total/NA	Solid	6010B	67900
440-13562-17	SB-4-3	Total/NA	Solid	6010B	67900
LCSSRM 480-67900/2-A	Lab Control Sample	Total/NA	Solid	6010B	67900
MB 480-67900/1-A	Method Blank	Total/NA	Solid	6010B	67900

Analysis Batch: 68056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-60	SB-13-1	Total/NA	Solid	6010B	67893
440-13562-61	SB-13-2	Total/NA	Solid	6010B	67893
440-13562-61 MS	SB-13-2	Total/NA	Solid	6010B	67893
440-13562-61 MSD	SB-13-2	Total/NA	Solid	6010B	67893
440-13562-62	SB-13-3	Total/NA	Solid	6010B	67893
440-13562-65	SB-14-1	Total/NA	Solid	6010B	67893
440-13562-66	SB-14-2	Total/NA	Solid	6010B	67893
440-13562-67	SB-14-3	Total/NA	Solid	6010B	67893
440-13562-70	SB-15-1	Total/NA	Solid	6010B	67893
440-13562-71	SB-15-2	Total/NA	Solid	6010B	67893
440-13562-72	SB-15-3	Total/NA	Solid	6010B	67893
440-13562-75	SB-16-1	Total/NA	Solid	6010B	67893
440-13562-76	SB-16-2	Total/NA	Solid	6010B	67893
440-13562-77	SB-16-3	Total/NA	Solid	6010B	67893

Metals (Continued)

Analysis Batch: 68056 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 480-67893/2-A	Lab Control Sample	Total/NA	Solid	6010B	67893
MB 480-67893/1-A	Method Blank	Total/NA	Solid	6010B	67893

Leach Batch: 68510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-25	SB-6-1	TCLP	Solid	1311	
440-13562-61	SB-13-2	TCLP	Solid	1311	
480-21280-B-1-E MS	Matrix Spike	TCLP	Solid	1311	
480-21280-B-1-F MSD	Matrix Spike Duplicate	TCLP	Solid	1311	
LB 480-68510/1-B LB	Method Blank	TCLP	Solid	1311	

Prep Batch: 68648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-25	SB-6-1	TCLP	Solid	3010A	68510
440-13562-61	SB-13-2	TCLP	Solid	3010A	68510
480-21280-B-1-E MS	Matrix Spike	TCLP	Solid	3010A	68510
480-21280-B-1-F MSD	Matrix Spike Duplicate	TCLP	Solid	3010A	68510
LB 480-68510/1-B LB	Method Blank	TCLP	Solid	3010A	68510
LCS 480-68648/3-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 480-68648/2-A	Method Blank	Total/NA	Solid	3010A	

Analysis Batch: 68841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-25	SB-6-1	TCLP	Solid	6010B	68648
440-13562-61	SB-13-2	TCLP	Solid	6010B	68648
480-21280-B-1-E MS	Matrix Spike	TCLP	Solid	6010B	68648
480-21280-B-1-F MSD	Matrix Spike Duplicate	TCLP	Solid	6010B	68648
LB 480-68510/1-B LB	Method Blank	TCLP	Solid	6010B	68648
LCS 480-68648/3-A	Lab Control Sample	Total/NA	Solid	6010B	68648
MB 480-68648/2-A	Method Blank	Total/NA	Solid	6010B	68648

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

GC VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

Metals

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the 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
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Irvine	Arizona	State Program	9	AZ0671
TestAmerica Irvine	California	LA Cty Sanitation Districts	9	10256
TestAmerica Irvine	California	NELAC	9	1108CA
TestAmerica Irvine	California	State Program	9	2706
TestAmerica Irvine	Guam	State Program	9	Cert. No. 12.002r
TestAmerica Irvine	Hawaii	State Program	9	N/A
TestAmerica Irvine	Nevada	State Program	9	CA015312007A
TestAmerica Irvine	New Mexico	State Program	6	N/A
TestAmerica Irvine	Northern Mariana Islands	State Program	9	MP0002
TestAmerica Irvine	Oregon	NELAC	10	4005
TestAmerica Irvine	USDA	Federal		P330-09-00080
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAC	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY00044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Hampshire	NELAC	1	2973
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-11-2
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAC	3	460185
TestAmerica Buffalo	Virginia	State Program	3	00278
TestAmerica Buffalo	Washington	State Program	10	C784
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Scott Lutz	Site Contact:	Date: 6/3/12	COC No:
Ninyo & Moore	Tel/Fax:	Lab Contact:	Carrier:	1 of 4 COCs
5710 Ruffin Road	Analysis Turnaround Time			Job No. 440-13562
San Diego, California	Calendar (C) or Work Days (W) _____			
858.576.1000 Phone	TAT if different from Below _____			SDG No.
858.576.9600 FAX	☐ 2 weeks			
Project Name: Cedar/Kettner	☑ 1 week			
Site: Cedar Street / Kettner Blvd	☐ 2 days			
P O # 107334001	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Title 22 Metals	STLC	TCLP	Sample Specific Notes:
~~SB-1-1~~	6/4/2012		Sleeve	Soil	1		X	√	√	SEE
SB-1-2	6/4/2012	0820	Sleeve	Soil	1		X	√	√	
SB-1-3	6/4/2012	0820	Sleeve	Soil	1		X	√	√	
SB-1-4	6/4/2012	0820	Sleeve	Soil	1		X	√	√	
SB-1-5	6/4/2012	0820	Sleeve	Soil	1		X	√	√	
SB-2-1	6/4/2012	0840	Sleeve	Soil	1		X	√	√	
SB-2-2	6/4/2012	0840	Sleeve	Soil	1		X	√	√	
SB-2-3	6/4/2012	0840	Sleeve	Soil	1		X	√	√	
SB-2-4	6/4/2012	0840	Sleeve	Soil	1		X	√	√	
SB-2-5	6/4/2012	0840	Sleeve	Soil	1		X	√	√	
SB-3-1	6/4/2012	0850	Sleeve	Soil	1		X	√	√	
SB-3-2	6/4/2012	0850	Sleeve	Soil	1		X	√	√	

√ = If the detected concentration for an individual metal is 10 times greater than the STLC value of that metal, analyze the sample using the Califonria Waste Extraction Test (WET). If the detected concentration for a individual metal is 20 times greater than the TCLP value for the metal, analyze the sample using the EPA TCLP method.

(X) HOLD PENDING ANALYSIS OF SMALLER SAMPLES

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Ninyo & Moore	6/4/12 1430		TAI	6/4/12 1430
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TAI	6/4/12 1730	Stephanie Avila	TAI	6/4/12 @ 1730
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

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Form No. CA-C-WI-002, dated 04/07/2011

Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Scott Lutz	Site Contact:	Date: 6/3/12	COC No:
Ninyo & Moore	Tel/Fax:	Lab Contact:	Carrier:	2 of 7 COCs
5710 Ruffin Road	Analysis Turnaround Time			Job No.
San Diego, California	Calendar (C) or Work Days (W) _____			
858.576.1000 Phone	TAT if different from Below _____			
858.576.9600 FAX	☐ 2 weeks			SDG No.
Project Name: Cedar/Kettner	☑ 1 week			
Site: Cedar Street / Kettner Blvd	☐ 2 days			
P O # 107334001	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Title 22 Metals	STLC	TCLP	Sample Specific Notes:
SB-3-3	6/4/2012	0850	Sleeve	Soil	1		X	√	√	
SB-3-4	6/4/2012	0850	Sleeve	Soil	1		X	√	√	
SB-3-5	6/4/2012	0850	Sleeve	Soil	1		X	√	√	√ = If the detected concentration for an individual metal is 10 times greater than the STLC value of that metal, analyze the sample using the Califonria Waste Extraction Test (WET). If the detected concentration for a individual metal is 20 times greater than the TCLP value for the metal, analyze the sample using the EPA TCLP method.
SB-4-1	6/4/2012	0900	Sleeve	Soil	1		X	√	√	
SB-4-2	6/4/2012	0900	Sleeve	Soil	1		X	√	√	
SB-4-3	6/4/2012	0900	Sleeve	Soil	1		X	√	√	
SB-4-4	6/4/2012	0900	Sleeve	Soil	1		X	√	√	
SB-4-5	6/4/2012	0900	Sleeve	Soil	1		X	√	√	
SB-5-1	6/4/2012	0913	Sleeve	Soil	1		X	√	√	X HOLD PENDING ANALYSIS
SB-5-2	6/4/2012	0913	Sleeve	Soil	1		X	√	√	OF SHALLOWER SAMPLES
SB-5-3	6/4/2012	0913	Sleeve	Soil	1		X	√	√	
SB-5-4	6/4/2012	0913	Sleeve	Soil	1		X	√	√	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	NINYO & MOORE	6/4/12 1430		TAL	6/4/12 1430
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TAL	6/4/12 1730		TAL	6/4/12 1730
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Form No. CA-C-WI-002, dated 04/07/2011

Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Scott Lutz	Site Contact:	Date: 6/3/12	COC No:
Ninyo & Moore	Tel/Fax:	Lab Contact:	Carrier:	3 of 7 COCs
5710 Ruffin Road	Analysis Turnaround Time			Job No.
San Diego, California	Calendar (C) or Work Days (W)			
858.576.1000 Phone	TAT if different from Below			
858.576.9600 FAX	☐ 2 weeks			SDG No.
Project Name: Cedar/Kettner	☑ 1 week			
Site: Cedar Street / Kettner Blvd	☐ 2 days			
P O # 107334001	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Title 22 Metals	STLC	TCLP	TPH-ext (C4-C40)	VOCs	Sample Specific Notes:
SB-5-5	6/4/2012	0913	Sleeve	Soil	1		X	√	√			
SB-6-1	6/4/2012	0925	Sleeve	Soil	1		X	√	√			
SB-6-2	6/4/2012	0925	Sleeve	Soil	1		X	√	√			
SB-6-3	6/4/2012	0925	Sleeve	Soil	1		X	√	√			
SB-6-4	6/4/2012	0925	Sleeve	Soil	1		X	√	√			
SB-6-5	6/4/2012	0925	Sleeve	Soil	1		X	√	√			
SB-7-1	6/4/2012	0940	Sleeve	Soil	1		X	√	√			
SB-7-2	6/4/2012	0940	Sleeve	Soil	1		X	√	√			
SB-7-3	6/4/2012	0940	Sleeve	Soil	1		X	√	√			
SB-7-4	6/4/2012	0940	Sleeve	Soil	1		X	√	√			
SB-7-5	6/4/2012	0940	Sleeve	Soil	1		X	√	√			
SB-8-1	6/4/2012	0950	Sleeve	Soil	1		X	√	√			

√ = If the detected concentration for an individual metal is 10 times greater than the STLC value of that metal, analyze the sample using the Califonria Waste Extraction Test (WET). If the detected concentration for a individual metal is 20 times greater than the TCLP value for the metal, analyze the sample using the EPA TCLP method.

(8) HOLD PENDING ANALYSIS OF SAMPLES

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Ninyo & Moore	6/4/12 1430		TAL	6/4/12 1430
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TAL	6/4/12 1730	Stephanie O	TAL	6/4/12 @ 1730
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Form No. CA-C-WI-002, dated 04/07/2011

Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Scott Lutz	Site Contact:	Date: 6/3/12	COC No:
Ninyo & Moore	Tel/Fax:	Lab Contact:	Carrier:	4 of 7 COCs
5710 Ruffin Road	Analysis Turnaround Time			Job No.
San Diego, California	Calendar (C) or Work Days (W) _____			
858.576.1000 Phone	TAT if different from Below _____			
858.576.9600 FAX	☐ 2 weeks			SDG No.
Project Name: Cedar/Kettner	☑ 1 week			
Site: Cedar Street / Kettner Blvd	☐ 2 days			
P O # 107334001	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Title 22 Metals	STLC	TCLP	TPH (C4-C40)	VOCs													Sample Specific Notes:
SB-8-2	6/4/2012	0950	Sleeve	Soil	1		X	√	√															
SB-8-3	6/4/2012	0950	Sleeve	Soil	1		X	√	√															
SB-8-4	6/4/2012	0950	Sleeve	Soil	1		X	√	√															
SB-8-5	6/4/2012	0950	Sleeve	Soil	1		X	√	√															
SB-9-1	6/4/2012	1000	Sleeve	Soil	1		X	√	√	X	X													
SB-9-2	6/4/2012	1000	Sleeve	Soil	1		X	√	√															
SB-9-3	6/4/2012	1000	Sleeve	Soil	1		X	√	√															
SB-9-4	6/4/2012	1000	Sleeve	Soil	1		X	√	√															
SB-9-5	6/4/2012	1015	Sleeve	Soil	1		X	√	√	X	X													(*) HOLD PENDING
SB-10-1	6/4/2012	1015	Sleeve	Soil	1		X	√	√															ANALYSIS OF SMALLER
SB-10-2	6/4/2012	1015	Sleeve	Soil	1		X	√	√															SAMPLES
SB-10-3	6/4/2012	1015	Sleeve	Soil	1		X	√	√															

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

√ = If the detected concentration for an individual metal is 10 times greater than the STLC value of that metal, analyze the sample using the Califonria Waste Extraction Test (WET). If the detected concentration for a individual metal is 20 times greater than the TCLP value for the metal, analyze the sample using the EPA TCLP method.

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	NINYO / MOORE	6/4/12 1430	[signature]	TAL	6/4/12 1430
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	TAL	6/4/12 1730	Stephanie	TAL	6/4/12 @1730
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Form No. CA-C-WI-002, dated 04/07/2011

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Chain of Custody Record

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THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Scott Lutz	Site Contact:	Date: 6/3/12	COC No:
Ninyo & Moore	Tel/Fax:	Lab Contact:	Carrier:	5 of 7 COCs
5710 Ruffin Road	Analysis Turnaround Time			Job No.
San Diego, California	Calendar (C) or Work Days (W)			
858.576.1000 Phone	TAT if different from Below			
858.576.9600 FAX	☐ 2 weeks			SDG No.
Project Name: Cedar/Kettner	☑ 1 week			
Site: Cedar Street / Kettner Blvd	☐ 2 days			
P O # 107334001	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Title 22 Metals	STLC	TCLP	Sample Specific Notes:
SB-10-4	6/4/2012	1015	Sleeve	Soil	1		X	√	√	
SB-10-5	6/4/2012	1015	Sleeve	Soil	1		X	√	√	
SB-11-1	6/4/2012	1040	Sleeve	Soil	1		X	√	√	√ = If the detected concentration for an individual metal is 10 times greater than the STLC value of that metal, analyze the sample using the Califonria Waste Extraction Test (WET). If the detected concentration for a individual metal is 20 times greater than the TCLP value for the metal, analyze the sample using the EPA TCLP method.
SB-11-2	6/4/2012	1040	Sleeve	Soil	1		X	√	√	
SB-11-3	6/4/2012	1040	Sleeve	Soil	1		X	√	√	
SB-11-4	6/4/2012	1040	Sleeve	Soil	1		X	√	√	
SB-11-5	6/4/2012	1040	Sleeve	Soil	1		X	√	√	
SB-12-1	6/4/2012	1050	Sleeve	Soil	1		X	√	√	
SB-12-2	6/4/2012	1050	Sleeve	Soil	1		X	√	√	(1) HOLD PENDING ANALYSIS
SB-12-3	6/4/2012	1050	Sleeve	Soil	1		X	√	√	OF SMALLER SAMPLES
SB-12-4	6/4/2012	1050	Sleeve	Soil	1		X	√	√	
SB-12-5	6/4/2012	1050	Sleeve	Soil	1		X	√	√	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Ninyo & Moore	6/4/12 1430	[signature]	TAL	6/4/12 1430
[signature]	TAL	6/4/12 1730	[signature]	TAL	6/4/12 @ 1730

Form No. CA-C-WI-002, dated 04/07/2011

Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Scott Lutz	Site Contact:	Date: 6/3/12	COC No:
Ninyo & Moore	Tel/Fax:	Lab Contact:	Carrier:	6 of 7 COCs
5710 Ruffin Road	Analysis Turnaround Time			Job No.
San Diego, California	Calendar (C) or Work Days (W) _____			
858.576.1000 Phone	TAT if different from Below _____			
858.576.9600 FAX	☐ 2 weeks			SDG No.
Project Name: Cedar/Kettner	☑ 1 week			
Site: Cedar Street / Kettner Blvd	☐ 2 days			
P O # 107334001	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Title 22 Metals	STLC	TCLP	TPH (C4-C40)	VOCs	Sample Specific Notes:
SB-13-1	6/4/2012	1112	Sleeve	Soil	1		X	√	√			
SB-13-2	6/4/2012	1112	Sleeve	Soil	1		X	√	√			
SB-13-3	6/4/2012	1112	Sleeve	Soil	1		X	√	√			
SB-13-4	6/4/2012	1112	Sleeve	Soil	1		(X)	√	√			
SB-13-5	6/4/2012	1112	Sleeve	Soil	1		(X)	√	√			
SB-14-1	6/4/2012	1120	Sleeve	Soil	1		X	√	√	~~X~~	~~X~~	
SB-14-2	6/4/2012	1120	Sleeve	Soil	1		X	√	√			
SB-14-3	6/4/2012	1120	Sleeve	Soil	1		X	√	√	X	X	
SB-14-4	6/4/2012	1120	Sleeve	Soil	1		(X)	√	√			(X) HOLD PENDING
SB-14-5	6/4/2012	1120	Sleeve	Soil	1		(X)	√	√	X	X	ANALYSIS OF
SB-15-1	6/4/2012	1130	Sleeve	Soil	1		X	√	√			SMALLOWER SAMPLES
SB-15-2	6/4/2012	1130	Sleeve	Soil	1		X	√	√			

√ = If the detected concentration for an individual metal is 10 times greater than the STLC value of that metal, analyze the sample using the Califonria Waste Extraction Test (WET). If the detected concentration for a individual metal is 20 times greater than the TCLP value for the metal, analyze the sample using the EPA TCLP method.

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	NINYO & MOORE	6/4/12 1430	[signature]	TAL	6/4/12 1430
[signature]	TAL	6/4/12 1730	[signature]	TAL	6/4/12 @ 1730

Form No. CA-C-WI-002, dated 04/07/2011

Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Scott Lutz	Site Contact:	Date: 6/3/12	COC No:
Ninyo & Moore	Tel/Fax:	Lab Contact:	Carrier:	7 of 7 COCs
5710 Ruffin Road	Analysis Turnaround Time			Job No.
San Diego, California	Calendar (C) or Work Days (W) _____			
858.576.1000 Phone	TAT if different from Below _____			
858.576.9600 FAX	☐ 2 weeks			SDG No.
Project Name: Cedar/Kettner	☑ 1 week			
Site: Cedar Street / Kettner Blvd	☐ 2 days			
P O # 107334001	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Title 22 Metals	STLC	TCLP	TPH (C4-C40)	VOCs	Sample Specific Notes:
SB-15-3	6/4/2012	1130	Sleeve	Soil	1		X	√	√	X	X	
SB-15-4	6/4/2012	1130	Sleeve	Soil	1		(X)	√	√			
SB-15-5	6/4/2012	1155	Sleeve	Soil	1		(X)	√	√	X	X	√ = If the detected concentration for an individual metal is 10 times greater than the STLC value of that metal, analyze the sample using the Califonria Waste Extraction Test (WET). If the detected concentration for a individual metal is 20 times greater than the TCLP value for the metal, analyze the sample using the EPA TCLP method.
SB-16-1	6/4/2012	1155	Sleeve	Soil	1		X	√	√	X	X	
SB-16-2	6/4/2012	1165	Sleeve	Soil	1		X	√	√			
SB-16-3	6/4/2012	1155	Sleeve	Soil	1		X	√	√			
SB-16-4	6/4/2012	1155	Sleeve	Soil	1		(X)	√	√			
SB-16-5	6/4/2012	1155	Sleeve	Soil	1		(X)	√	√	X	X	
	6/4/2012		Sleeve	Soil	1		X	√	√			(X) HOLD PENDING
	6/4/2012		Sleeve	Soil	1		X	√	√			ANALYSIS OF SHALLOWER
	6/4/2012		Sleeve	Soil	1		X	√	√			SAMPLES
	6/4/2012		Sleeve	Soil	1		X	√	√			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Ninyo & Moore	6/4/12 1430	[signature]	TAL	6/4/12 1430
[signature]	TAL	6/4/12 1730	[signature]	TAL	6/4/12 1730

Form No. CA-C-WI-002, dated 04/07/2011

1 2 3 4 5 6 7 8 9 10 11 12

Sanelle, Philip

From: Scott Lutz [slutz@ninyoandmoore.com]
Sent: Tuesday, June 12, 2012 2:44 PM
To: Sanelle, Philip
Cc: Steven Fry
Subject: RE: Files from 440-13562-1 Cedar/Kettner

Phil,

Please run additional analysis on the samples as listed below:

SB-7-1 for the California WET Method for lead.

SB-6-1 and SB-13-2 for the USEPA TCLP Method for lead.

Thanks,

Scott Lutz
Project Environmental Scientist
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants
5710 Ruffin Road
San Diego, California 92123
(858) 576-1000 (x1280)
(858) 576-9600 (Fax)
slutz@ninyoandmoore.com
Experience . Quality . Commitment

-----Original Message-----
From: Sanelle, Philip [mailto:philip.sanelle@testamericainc.com]
Sent: Tuesday, June 12, 2012 10:56 AM
To: Steven Fry; Scott Lutz
Subject: Files from 440-13562-1 Cedar/Kettner

Final Report and EDD

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

PHILIP SANELLE

TestAmerica Irvine
THE LEADER IN ENVIRONMENTAL TESTING

Tel: 949.261,1022

Reference: [026839]
Attachments: 3

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 440-13562-1

Login Number: 13562
List Number: 1
Creator: Kim, Will

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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?	N/A	
There are no discrepancies between the sample IDs on the containers 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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 440-13562-1

Login Number: 13562
List Number: 1
Creator: Kinecki, Kenneth

List Source: TestAmerica Buffalo
List Creation: 06/08/12 12:06 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-13562-2
Client Project/Site: Cedar/Kettner

For:
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92123

Attn: Scott Lutz

Authorized for release by:
7/23/2012 5:15:11 PM

Philip Sanelle
Project Manager I
philip.sanelle@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

Table of Contents

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Sample Summary

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-13562-25	SB-6-1	Solid	06/03/12 09:25	06/04/12 17:30
440-13562-61	SB-13-2	Solid	06/03/12 11:12	06/04/12 17:30

Case Narrative

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-2

Job ID: 440-13562-2

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-13562-2

Comments
No additional comments.

Receipt
The samples were received on 6/4/2012 5:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 10.1° C.

Metals
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-2

Client Sample ID: SB-6-1

Lab Sample ID: 440-13562-25

Date Collected: 06/03/12 09:25

Matrix: Solid

Date Received: 06/04/12 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	79		0.10		mg/L			07/23/12 15:09	20

Client Sample ID: SB-13-2

Lab Sample ID: 440-13562-61

Date Collected: 06/03/12 11:12

Matrix: Solid

Date Received: 06/04/12 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.0		0.10		mg/L			07/23/12 15:15	20

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-2

Client Sample ID: SB-6-1

Lab Sample ID: 440-13562-25

Date Collected: 06/03/12 09:25

Matrix: Solid

Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.01 g	500 mL	40210	07/21/12 17:25	CH	TAL IRV
STLC Citrate	Analysis	6010B		20	1.0 mL	1.0 mL	40450	07/23/12 15:09	MP	TAL IRV

Client Sample ID: SB-13-2

Lab Sample ID: 440-13562-61

Date Collected: 06/03/12 11:12

Matrix: Solid

Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.05 g	500 mL	40210	07/21/12 17:25	CH	TAL IRV
STLC Citrate	Analysis	6010B		20	1.0 mL	1.0 mL	40450	07/23/12 15:15	MP	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

QC Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-2

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-40210/1-A ^20
Matrix: Solid
Analysis Batch: 40450

Client Sample ID: Method Blank
Prep Type: STLC Citrate

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.10		mg/L			07/23/12 15:04	20

Lab Sample ID: LCS 440-40210/2-A ^0
Matrix: Solid
Analysis Batch: 40450

Client Sample ID: Lab Control Sample
Prep Type: STLC Citrate

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			1.00	1.00		mg/L		100	80 - 120		

Lab Sample ID: 440-13562-25 MS
Matrix: Solid
Analysis Batch: 40450

Client Sample ID: SB-6-1
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	79		20.0	104		mg/L		123	75 - 125		

Lab Sample ID: 440-13562-25 MSD
Matrix: Solid
Analysis Batch: 40450

Client Sample ID: SB-6-1
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	79		20.0	103		mg/L		120	75 - 125	1	20

QC Association Summary

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-2

Metals

Leach Batch: 40210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-25	SB-6-1	STLC Citrate	Solid	CA WET Citrate	
440-13562-25 MS	SB-6-1	STLC Citrate	Solid	CA WET Citrate	
440-13562-25 MSD	SB-6-1	STLC Citrate	Solid	CA WET Citrate	
440-13562-61	SB-13-2	STLC Citrate	Solid	CA WET Citrate	
LCS 440-40210/2-A ^0	Lab Control Sample	STLC Citrate	Solid	CA WET Citrate	
MB 440-40210/1-A ^20	Method Blank	STLC Citrate	Solid	CA WET Citrate	

Analysis Batch: 40450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-25	SB-6-1	STLC Citrate	Solid	6010B	40210
440-13562-25 MS	SB-6-1	STLC Citrate	Solid	6010B	40210
440-13562-25 MSD	SB-6-1	STLC Citrate	Solid	6010B	40210
440-13562-61	SB-13-2	STLC Citrate	Solid	6010B	40210
LCS 440-40210/2-A ^0	Lab Control Sample	STLC Citrate	Solid	6010B	40210
MB 440-40210/1-A ^20	Method Blank	STLC Citrate	Solid	6010B	40210

Definitions/Glossary

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-2

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
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-2

Laboratory: TestAmerica Irvine

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arizona	State Program	9	AZ0671	10-13-12
California	LA Cty Sanitation Districts	9	10256	01-31-13
California	NELAC	9	1108CA	01-31-13
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	01-23-13
Hawaii	State Program	9	N/A	01-31-13
Nevada	State Program	9	CA015312007A	07-31-12
New Mexico	State Program	6	N/A	01-31-12
Northern Mariana Islands	State Program	9	MP0002	01-31-13
Oregon	NELAC	10	4005	09-12-12
USDA	Federal		P330-09-00080	06-06-14

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Scott Lutz	Site Contact:	Date: 6/3/12	COC No:
Ninyo & Moore	Tel/Fax:	Lab Contact:	Carrier:	1 of 4 COCs
5710 Ruffin Road	Analysis Turnaround Time			Job No. 440-13562
San Diego, California	Calendar (C) or Work Days (W) _____			
858.576.1000 Phone	TAT if different from Below _____			SDG No.
858.576.9600 FAX	☐ 2 weeks			
Project Name: Cedar/Kettner	☑ 1 week			
Site: Cedar Street / Kettner Blvd	☐ 2 days			
P O # 107334001	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Title 22 Metals	STLC	TCLP	Sample Specific Notes:
~~SB-1-1~~	6/4/2012		Sleeve	Soil	1		X	√	√	SEE
SB-1-2	6/4/2012	0820	Sleeve	Soil	1		X	√	√	
SB-1-3	6/4/2012	0820	Sleeve	Soil	1		X	√	√	
SB-1-4	6/4/2012	0820	Sleeve	Soil	1		X	√	√	
SB-1-5	6/4/2012	0820	Sleeve	Soil	1		X	√	√	
SB-2-1	6/4/2012	0840	Sleeve	Soil	1		X	√	√	
SB-2-2	6/4/2012	0840	Sleeve	Soil	1		X	√	√	
SB-2-3	6/4/2012	0840	Sleeve	Soil	1		X	√	√	
SB-2-4	6/4/2012	0840	Sleeve	Soil	1		X	√	√	
SB-2-5	6/4/2012	0840	Sleeve	Soil	1		X	√	√	
SB-3-1	6/4/2012	0850	Sleeve	Soil	1		X	√	√	
SB-3-2	6/4/2012	0850	Sleeve	Soil	1		X	√	√	

√ = If the detected concentration for an individual metal is 10 times greater than the STLC value of that metal, analyze the sample using the Califonria Waste Extraction Test (WET). If the detected concentration for a individual metal is 20 times greater than the TCLP value for the metal, analyze the sample using the EPA TCLP method.

(X) HOLD PENDING ANALYSIS OF SMALLER SAMPLES

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Ninyo & Moore	6/4/12 1430		TAI	6/4/12 1430
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TAI	6/4/12 1730	Stephanie Avila	TAI	6/4/12 @ 1730
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

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Form No. CA-C-WI-002, dated 04/07/2011

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Scott Lutz	Site Contact:	Date: 6/3/12	COC No:
Ninyo & Moore	Tel/Fax:	Lab Contact:	Carrier:	2 of 7 COCs
5710 Ruffin Road	Analysis Turnaround Time			Job No.
San Diego, California	Calendar (C) or Work Days (W) _____			
858.576.1000 Phone	TAT if different from Below _____			
858.576.9600 FAX	☐ 2 weeks			SDG No.
Project Name: Cedar/Kettner	☑ 1 week			
Site: Cedar Street / Kettner Blvd	☐ 2 days			
P O # 107334001	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Title 22 Metals	STLC	TCLP	Sample Specific Notes:
SB-3-3	6/4/2012	0850	Sleeve	Soil	1		X	√	√	
SB-3-4	6/4/2012	0850	Sleeve	Soil	1		X	√	√	
SB-3-5	6/4/2012	0850	Sleeve	Soil	1		X	√	√	√ = If the detected concentration for an individual metal is 10 times greater than the STLC value of that metal, analyze the sample using the Califonria Waste Extraction Test (WET). If the detected concentration for a individual metal is 20 times greater than the TCLP value for the metal, analyze the sample using the EPA TCLP method.
SB-4-1	6/4/2012	0900	Sleeve	Soil	1		X	√	√	
SB-4-2	6/4/2012	0900	Sleeve	Soil	1		X	√	√	
SB-4-3	6/4/2012	0900	Sleeve	Soil	1		X	√	√	
SB-4-4	6/4/2012	0900	Sleeve	Soil	1		X	√	√	
SB-4-5	6/4/2012	0900	Sleeve	Soil	1		X	√	√	
SB-5-1	6/4/2012	0913	Sleeve	Soil	1		X	√	√	X HOLD PENDING ANALYSIS
SB-5-2	6/4/2012	0913	Sleeve	Soil	1		X	√	√	OF SHALLOWER SAMPLES
SB-5-3	6/4/2012	0913	Sleeve	Soil	1		X	√	√	
SB-5-4	6/4/2012	0913	Sleeve	Soil	1		X	√	√	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	NINYO & MOORE	6/4/12 1430	[signature]	TAL	6/4/12 1430
[signature]	TAL	6/4/12 1730	[signature]	TAL	6/4/12 1730

Form No. CA-C-WI-002, dated 04/07/2011

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Scott Lutz	Site Contact:	Date: 6/3/12	COC No:
Ninyo & Moore	Tel/Fax:	Lab Contact:	Carrier:	3 of 7 COCs
5710 Ruffin Road	Analysis Turnaround Time			Job No.
San Diego, California	Calendar (C) or Work Days (W)			
858.576.1000 Phone	TAT if different from Below			
858.576.9600 FAX	☐ 2 weeks			SDG No.
Project Name: Cedar/Kettner	☑ 1 week			
Site: Cedar Street / Kettner Blvd	☐ 2 days			
P O # 107334001	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Title 22 Metals	STLC	TCLP	TPH-ext (C4-C40)	VOPS	Sample Specific Notes:
SB-5-5	6/4/2012	0913	Sleeve	Soil	1		X	√	√			
SB-6-1	6/4/2012	0925	Sleeve	Soil	1		X	√	√			
SB-6-2	6/4/2012	0925	Sleeve	Soil	1		X	√	√			
SB-6-3	6/4/2012	0925	Sleeve	Soil	1		X	√	√			
SB-6-4	6/4/2012	0925	Sleeve	Soil	1		X	√	√			
SB-6-5	6/4/2012	0925	Sleeve	Soil	1		X	√	√			
SB-7-1	6/4/2012	0940	Sleeve	Soil	1		X	√	√			
SB-7-2	6/4/2012	0940	Sleeve	Soil	1		X	√	√			
SB-7-3	6/4/2012	0940	Sleeve	Soil	1		X	√	√			(8) HOLD PENDING
SB-7-4	6/4/2012	0940	Sleeve	Soil	1		X	√	√			ANALYSIS OF SMALLER
SB-7-5	6/4/2012	0940	Sleeve	Soil	1		X	√	√			SAMPLES
SB-8-1	6/4/2012	0950	Sleeve	Soil	1		X	√	√			

√ = If the detected concentration for an individual metal is 10 times greater than the STLC value of that metal, analyze the sample using the Califonria Waste Extraction Test (WET). If the detected concentration for a individual metal is 20 times greater than the TCLP value for the metal, analyze the sample using the EPA TCLP method.

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Ninyo & Moore	6/4/12 1430	[signature]	TAL	6/4/12 1430
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	TAL	6/4/12 1730	Stephanie O	TAL	6/4/12 @ 1730
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

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Chain of Custody Record

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THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Scott Lutz	Site Contact:	Date: 6/3/12	COC No:
Ninyo & Moore	Tel/Fax:	Lab Contact:	Carrier:	4 of 7 COCs
5710 Ruffin Road	Analysis Turnaround Time			Job No.
San Diego, California	Calendar (C) or Work Days (W) _____			
858.576.1000 Phone	TAT if different from Below _____			
858.576.9600 FAX	☐ 2 weeks			SDG No.
Project Name: Cedar/Kettner	☑ 1 week			
Site: Cedar Street / Kettner Blvd	☐ 2 days			
P O # 107334001	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Title 22 Metals	STLC	TCLP	TPH (C4-C40)	VOCs													Sample Specific Notes:
SB-8-2	6/4/2012	0950	Sleeve	Soil	1		X	√	√															
SB-8-3	6/4/2012	0950	Sleeve	Soil	1		X	√	√															
SB-8-4	6/4/2012	0950	Sleeve	Soil	1		X	√	√															
SB-8-5	6/4/2012	0950	Sleeve	Soil	1		X	√	√															
SB-9-1	6/4/2012	1000	Sleeve	Soil	1		X	√	√	X	X													
SB-9-2	6/4/2012	1000	Sleeve	Soil	1		X	√	√															
SB-9-3	6/4/2012	1000	Sleeve	Soil	1		X	√	√															
SB-9-4	6/4/2012	1000	Sleeve	Soil	1		X	√	√															
SB-9-5	6/4/2012	1015	Sleeve	Soil	1		X	√	√	X	X													(*) HOLD PENDING
SB-10-1	6/4/2012	1015	Sleeve	Soil	1		X	√	√															ANALYSIS OF SMALLER
SB-10-2	6/4/2012	1015	Sleeve	Soil	1		X	√	√															SAMPLES
SB-10-3	6/4/2012	1015	Sleeve	Soil	1		X	√	√															

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

√ = If the detected concentration for an individual metal is 10 times greater than the STLC value of that metal, analyze the sample using the Califonria Waste Extraction Test (WET). If the detected concentration for a individual metal is 20 times greater than the TCLP value for the metal, analyze the sample using the EPA TCLP method.

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Ninyo & Moore	6/4/12 1430	[signature]	TAL	6/4/12 1430
[signature]	TAL	6/4/12 1730	[signature]	TAL	6/4/12 @1730

Form No. CA-C-WI-002, dated 04/07/2011

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Scott Lutz	Site Contact:	Date: 6/3/12	COC No:
Ninyo & Moore	Tel/Fax:	Lab Contact:	Carrier:	5 of 7 COCs
5710 Ruffin Road	Analysis Turnaround Time			Job No.
San Diego, California	Calendar (C) or Work Days (W)			
858.576.1000 Phone	TAT if different from Below			
858.576.9600 FAX	☐ 2 weeks			SDG No.
Project Name: Cedar/Kettner	☑ 1 week			
Site: Cedar Street / Kettner Blvd	☐ 2 days			
P O # 107334001	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Title 22 Metals	STLC	TCLP	Sample Specific Notes:
SB-10-4	6/4/2012	1015	Sleeve	Soil	1		X	√	√	√ = If the detected concentration for an individual metal is 10 times greater than the STLC value of that metal, analyze the sample using the Califonria Waste Extraction Test (WET). If the detected concentration for a individual metal is 20 times greater than the TCLP value for the metal, analyze the sample using the EPA TCLP method.
SB-10-5	6/4/2012	1015	Sleeve	Soil	1		X	√	√	
SB-11-1	6/4/2012	1040	Sleeve	Soil	1		X	√	√	
SB-11-2	6/4/2012	1040	Sleeve	Soil	1		X	√	√	
SB-11-3	6/4/2012	1040	Sleeve	Soil	1		X	√	√	
SB-11-4	6/4/2012	1040	Sleeve	Soil	1		X	√	√	
SB-11-5	6/4/2012	1040	Sleeve	Soil	1		X	√	√	
SB-12-1	6/4/2012	1050	Sleeve	Soil	1		X	√	√	
SB-12-2	6/4/2012	1050	Sleeve	Soil	1		X	√	√	(1) HOLD PENDING ANALYSIS
SB-12-3	6/4/2012	1050	Sleeve	Soil	1		X	√	√	OF SMALLER SAMPLES
SB-12-4	6/4/2012	1050	Sleeve	Soil	1		X	√	√	
SB-12-5	6/4/2012	1050	Sleeve	Soil	1		X	√	√	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company: Ninyo & Moore	Date/Time: 6/4/12 1430	Received by:	Company: TAL	Date/Time: 6/4/12 1430
Relinquished by:	Company: TAL	Date/Time: 6/4/12 1730	Received by: Stephanie	Company: TAL	Date/Time: 6/4/12 @ 1730
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Form No. CA-C-WI-002, dated 04/07/2011

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Scott Lutz	Site Contact:	Date: 6/3/12	COC No:
Ninyo & Moore	Tel/Fax:	Lab Contact:	Carrier:	6 of 7 COCs
5710 Ruffin Road	Analysis Turnaround Time			Job No.
San Diego, California	Calendar (C) or Work Days (W) _____			
858.576.1000 Phone	TAT if different from Below _____			
858.576.9600 FAX	☐ 2 weeks			SDG No.
Project Name: Cedar/Kettner	☑ 1 week			
Site: Cedar Street / Kettner Blvd	☐ 2 days			
P O # 107334001	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Title 22 Metals	STLC	TCLP	TPH (C4-C40)	VOCs	Sample Specific Notes:
SB-13-1	6/4/2012	1112	Sleeve	Soil	1		X	√	√			
SB-13-2	6/4/2012	1112	Sleeve	Soil	1		X	√	√			
SB-13-3	6/4/2012	1112	Sleeve	Soil	1		X	√	√			
SB-13-4	6/4/2012	1112	Sleeve	Soil	1		X	√	√			
SB-13-5	6/4/2012	1112	Sleeve	Soil	1		X	√	√			
SB-14-1	6/4/2012	1120	Sleeve	Soil	1		X	√	√	X	X	√ = If the detected concentration for an individual metal is 10 times greater than the STLC value of that metal, analyze the sample using the Califonria Waste Extraction Test (WET). If the detected concentration for a individual metal is 20 times greater than the TCLP value for the metal, analyze the sample using the EPA TCLP method.
SB-14-2	6/4/2012	1120	Sleeve	Soil	1		X	√	√			
SB-14-3	6/4/2012	1120	Sleeve	Soil	1		X	√	√	X	X	
SB-14-4	6/4/2012	1120	Sleeve	Soil	1		X	√	√			X HOLD PENDING
SB-14-5	6/4/2012	1120	Sleeve	Soil	1		X	√	√	X	X	ANALYSIS OF
SB-15-1	6/4/2012	1130	Sleeve	Soil	1		X	√	√			SMALLER SAMPLES
SB-15-2	6/4/2012	1130	Sleeve	Soil	1		X	√	√			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	NINYO & MOORE	6/4/12 1430	[signature]	TAL	6/4/12 1430
[signature]	TAL	6/4/12 1730	[signature]	TAL	6/4/12 @ 1730

Form No. CA-C-WI-002, dated 04/07/2011

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phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Scott Lutz	Site Contact:	Date: 6/3/12	COC No:
Ninyo & Moore	Tel/Fax:	Lab Contact:	Carrier:	7 of 7 COCs
5710 Ruffin Road	Analysis Turnaround Time			Job No.
San Diego, California	Calendar (C) or Work Days (W) _____			
858.576.1000 Phone	TAT if different from Below _____			
858.576.9600 FAX	☐ 2 weeks			SDG No.
Project Name: Cedar/Kettner	☑ 1 week			
Site: Cedar Street / Kettner Blvd	☐ 2 days			
P O # 107334001	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Title 22 Metals	STLC	TCLP	TPH (C4-C40)	VOCs	Sample Specific Notes:
SB-15-3	6/4/2012	1130	Sleeve	Soil	1		X	√	√	X	X	
SB-15-4	6/4/2012	1130	Sleeve	Soil	1		X	√	√			
SB-15-5	6/4/2012	1155	Sleeve	Soil	1		X	√	√	X	X	√ = If the detected concentration for an individual metal is 10 times greater than the STLC value of that metal, analyze the sample using the Califonria Waste Extraction Test (WET). If the detected concentration for a individual metal is 20 times greater than the TCLP value for the metal, analyze the sample using the EPA TCLP method.
SB-16-1	6/4/2012	1155	Sleeve	Soil	1		X	√	√	X	X	
SB-16-2	6/4/2012	1165	Sleeve	Soil	1		X	√	√			
SB-16-3	6/4/2012	1155	Sleeve	Soil	1		X	√	√			
SB-16-4	6/4/2012	1155	Sleeve	Soil	1		X	√	√			
SB-16-5	6/4/2012	1155	Sleeve	Soil	1		X	√	√	X	X	
	6/4/2012		Sleeve	Soil	1		X	√	√			(X) HOLD PENDING
	6/4/2012		Sleeve	Soil	1		X	√	√			ANALYSIS OF SHALLOWER
	6/4/2012		Sleeve	Soil	1		X	√	√			SAMPLES
	6/4/2012		Sleeve	Soil	1		X	√	√			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Ninyo & Moore	6/4/12 1430	[signature]	TAL	6/4/12 1430
[signature]	TAL	6/4/12 1730	[signature]	TAL	6/4/12 1730

Form No. CA-C-WI-002, dated 04/07/2011

1 2 3 4 5 6 7 8 9 10 11 12

Sanelle, Philip

From: Scott Lutz [slutz@ninyoandmoore.com]
Sent: Thursday, July 19, 2012 3:01 PM
To: Sanelle, Philip
Subject: Test America Job ID 440-13562-1

Phil,

From TestAmerica Job ID 440-13562-1, please analyze samples SB-6-1 and SB-13-2 using the WET method.

Scott Lutz
Project Environmental Scientist
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants
5710 Ruffin Road
San Diego, California 92123
(858) 576-1000 (x1280)
(858) 576-9600 (Fax)
slutz@ninyoandmoore.com
Experience . Quality . Commitment

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 440-13562-2

Login Number: 13562
List Number: 1
Creator: Kim, Will

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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?	N/A	
There are no discrepancies between the sample IDs on the containers 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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
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 Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

TestAmerica Job ID: 440-13562-2
Client Project/Site: Cedar/Kettner

For:
Ninyo & Moore
5710 Ruffin Road
San Diego, California 92123

Attn: Scott Lutz

Authorized for release by:
7/23/2012 5:15:11 PM

Philip Sanelle
Project Manager I
philip.sanelle@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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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Sample Summary

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-13562-25	SB-6-1	Solid	06/03/12 09:25	06/04/12 17:30
440-13562-61	SB-13-2	Solid	06/03/12 11:12	06/04/12 17:30

Case Narrative

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-2

Job ID: 440-13562-2

Laboratory: TestAmerica Irvine

Narrative

Job Narrative
440-13562-2

Comments
No additional comments.

Receipt
The samples were received on 6/4/2012 5:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 10.1° C.

Metals
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Client Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-2

Client Sample ID: SB-6-1

Lab Sample ID: 440-13562-25

Date Collected: 06/03/12 09:25

Matrix: Solid

Date Received: 06/04/12 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	79		0.10		mg/L			07/23/12 15:09	20

Client Sample ID: SB-13-2

Lab Sample ID: 440-13562-61

Date Collected: 06/03/12 11:12

Matrix: Solid

Date Received: 06/04/12 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.0		0.10		mg/L			07/23/12 15:15	20

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-2

Client Sample ID: SB-6-1

Lab Sample ID: 440-13562-25

Date Collected: 06/03/12 09:25

Matrix: Solid

Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.01 g	500 mL	40210	07/21/12 17:25	CH	TAL IRV
STLC Citrate	Analysis	6010B		20	1.0 mL	1.0 mL	40450	07/23/12 15:09	MP	TAL IRV

Client Sample ID: SB-13-2

Lab Sample ID: 440-13562-61

Date Collected: 06/03/12 11:12

Matrix: Solid

Date Received: 06/04/12 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			50.05 g	500 mL	40210	07/21/12 17:25	CH	TAL IRV
STLC Citrate	Analysis	6010B		20	1.0 mL	1.0 mL	40450	07/23/12 15:15	MP	TAL IRV

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

QC Sample Results

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-2

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-40210/1-A ^20
Matrix: Solid
Analysis Batch: 40450

Client Sample ID: Method Blank
Prep Type: STLC Citrate

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.10		mg/L			07/23/12 15:04	20

Lab Sample ID: LCS 440-40210/2-A ^0
Matrix: Solid
Analysis Batch: 40450

Client Sample ID: Lab Control Sample
Prep Type: STLC Citrate

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			1.00	1.00		mg/L		100	80 - 120		

Lab Sample ID: 440-13562-25 MS
Matrix: Solid
Analysis Batch: 40450

Client Sample ID: SB-6-1
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	79		20.0	104		mg/L		123	75 - 125		

Lab Sample ID: 440-13562-25 MSD
Matrix: Solid
Analysis Batch: 40450

Client Sample ID: SB-6-1
Prep Type: STLC Citrate

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	79		20.0	103		mg/L		120	75 - 125	1	20

QC Association Summary

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-2

Metals

Leach Batch: 40210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-25	SB-6-1	STLC Citrate	Solid	CA WET Citrate	
440-13562-25 MS	SB-6-1	STLC Citrate	Solid	CA WET Citrate	
440-13562-25 MSD	SB-6-1	STLC Citrate	Solid	CA WET Citrate	
440-13562-61	SB-13-2	STLC Citrate	Solid	CA WET Citrate	
LCS 440-40210/2-A ^0	Lab Control Sample	STLC Citrate	Solid	CA WET Citrate	
MB 440-40210/1-A ^20	Method Blank	STLC Citrate	Solid	CA WET Citrate	

Analysis Batch: 40450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-13562-25	SB-6-1	STLC Citrate	Solid	6010B	40210
440-13562-25 MS	SB-6-1	STLC Citrate	Solid	6010B	40210
440-13562-25 MSD	SB-6-1	STLC Citrate	Solid	6010B	40210
440-13562-61	SB-13-2	STLC Citrate	Solid	6010B	40210
LCS 440-40210/2-A ^0	Lab Control Sample	STLC Citrate	Solid	6010B	40210
MB 440-40210/1-A ^20	Method Blank	STLC Citrate	Solid	6010B	40210

Definitions/Glossary

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-2

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
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Ninyo & Moore
Project/Site: Cedar/Kettner

TestAmerica Job ID: 440-13562-2

Laboratory: TestAmerica Irvine

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arizona	State Program	9	AZ0671	10-13-12
California	LA Cty Sanitation Districts	9	10256	01-31-13
California	NELAC	9	1108CA	01-31-13
California	State Program	9	2706	06-30-14
Guam	State Program	9	Cert. No. 12.002r	01-23-13
Hawaii	State Program	9	N/A	01-31-13
Nevada	State Program	9	CA015312007A	07-31-12
New Mexico	State Program	6	N/A	01-31-12
Northern Mariana Islands	State Program	9	MP0002	01-31-13
Oregon	NELAC	10	4005	09-12-12
USDA	Federal		P330-09-00080	06-06-14

Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Scott Lutz	Site Contact:	Date: 6/3/12	COC No:
Ninyo & Moore	Tel/Fax:	Lab Contact:	Carrier:	1 of 4 COCs
5710 Ruffin Road	Analysis Turnaround Time			Job No. 440-13562
San Diego, California	Calendar (C) or Work Days (W) _____			
858.576.1000 Phone	TAT if different from Below _____			SDG No.
858.576.9600 FAX	☐ 2 weeks			
Project Name: Cedar/Kettner	☑ 1 week			
Site: Cedar Street / Kettner Blvd	☐ 2 days			
P O # 107334001	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Title 22 Metals	STLC	TCLP	Sample Specific Notes:
~~SB-1-1~~	6/4/2012		Sleeve	Soil	1		X	√	√	SEE
SB-1-2	6/4/2012	0820	Sleeve	Soil	1		X	√	√	
SB-1-3	6/4/2012	0820	Sleeve	Soil	1		X	√	√	
SB-1-4	6/4/2012	0820	Sleeve	Soil	1		X	√	√	
SB-1-5	6/4/2012	0820	Sleeve	Soil	1		X	√	√	
SB-2-1	6/4/2012	0840	Sleeve	Soil	1		X	√	√	
SB-2-2	6/4/2012	0840	Sleeve	Soil	1		X	√	√	
SB-2-3	6/4/2012	0840	Sleeve	Soil	1		X	√	√	
SB-2-4	6/4/2012	0840	Sleeve	Soil	1		X	√	√	
SB-2-5	6/4/2012	0840	Sleeve	Soil	1		X	√	√	
SB-3-1	6/4/2012	0850	Sleeve	Soil	1		X	√	√	
SB-3-2	6/4/2012	0850	Sleeve	Soil	1		X	√	√	

√ = If the detected concentration for an individual metal is 10 times greater than the STLC value of that metal, analyze the sample using the Califonria Waste Extraction Test (WET). If the detected concentration for a individual metal is 20 times greater than the TCLP value for the metal, analyze the sample using the EPA TCLP method.

(X) HOLD PENDING ANALYSIS OF SMALLER SAMPLES

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Ninyo & Moore	6/4/12 1430		TAI	6/4/12 1430
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TAI	6/4/12 1730	Stephanie Avila	TAI	6/4/12 @ 1730
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

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Form No. CA-C-WI-002, dated 04/07/2011

Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Scott Lutz	Site Contact:	Date: 6/3/12	COC No:
Ninyo & Moore	Tel/Fax:	Lab Contact:	Carrier:	2 of 7 COCs
5710 Ruffin Road	Analysis Turnaround Time			Job No.
San Diego, California	Calendar (C) or Work Days (W) _____			
858.576.1000 Phone	TAT if different from Below _____			
858.576.9600 FAX	☐ 2 weeks			SDG No.
Project Name: Cedar/Kettner	☑ 1 week			
Site: Cedar Street / Kettner Blvd	☐ 2 days			
P O # 107334001	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Title 22 Metals	STLC	TCLP	Sample Specific Notes:
SB-3-3	6/4/2012	0850	Sleeve	Soil	1		X	√	√	
SB-3-4	6/4/2012	0850	Sleeve	Soil	1		X	√	√	
SB-3-5	6/4/2012	0850	Sleeve	Soil	1		X	√	√	√ = If the detected concentration for an individual metal is 10 times greater than the STLC value of that metal, analyze the sample using the Califonria Waste Extraction Test (WET). If the detected concentration for a individual metal is 20 times greater than the TCLP value for the metal, analyze the sample using the EPA TCLP method.
SB-4-1	6/4/2012	0900	Sleeve	Soil	1		X	√	√	
SB-4-2	6/4/2012	0900	Sleeve	Soil	1		X	√	√	
SB-4-3	6/4/2012	0900	Sleeve	Soil	1		X	√	√	
SB-4-4	6/4/2012	0900	Sleeve	Soil	1		X	√	√	
SB-4-5	6/4/2012	0900	Sleeve	Soil	1		X	√	√	
SB-5-1	6/4/2012	0913	Sleeve	Soil	1		X	√	√	X HOLD PENDING ANALYSIS
SB-5-2	6/4/2012	0913	Sleeve	Soil	1		X	√	√	OF SHALLOWER SAMPLES
SB-5-3	6/4/2012	0913	Sleeve	Soil	1		X	√	√	
SB-5-4	6/4/2012	0913	Sleeve	Soil	1		X	√	√	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	NINYO & MOORE	6/4/12 1430	[signature]	TAL	6/4/12 1430
[signature]	TAL	6/4/12 1730	[signature]	TAL	6/4/12 1730

Form No. CA-C-WI-002, dated 04/07/2011

Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Scott Lutz	Site Contact:	Date: 6/3/12	COC No:
Ninyo & Moore	Tel/Fax:	Lab Contact:	Carrier:	3 of 7 COCs
5710 Ruffin Road	Analysis Turnaround Time			Job No.
San Diego, California	Calendar (C) or Work Days (W)			
858.576.1000 Phone	TAT if different from Below			
858.576.9600 FAX	☐ 2 weeks			SDG No.
Project Name: Cedar/Kettner	☑ 1 week			
Site: Cedar Street / Kettner Blvd	☐ 2 days			
P O # 107334001	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Title 22 Metals	STLC	TCLP	TPH-ext (C4-C40)	VOPS	Sample Specific Notes:
SB-5-5	6/4/2012	0913	Sleeve	Soil	1		X	√	√			
SB-6-1	6/4/2012	0925	Sleeve	Soil	1		X	√	√			
SB-6-2	6/4/2012	0925	Sleeve	Soil	1		X	√	√			
SB-6-3	6/4/2012	0925	Sleeve	Soil	1		X	√	√			
SB-6-4	6/4/2012	0925	Sleeve	Soil	1		X	√	√			
SB-6-5	6/4/2012	0925	Sleeve	Soil	1		X	√	√			
SB-7-1	6/4/2012	0940	Sleeve	Soil	1		X	√	√			
SB-7-2	6/4/2012	0940	Sleeve	Soil	1		X	√	√			
SB-7-3	6/4/2012	0940	Sleeve	Soil	1		X	√	√			(8) HOLD PENDING
SB-7-4	6/4/2012	0940	Sleeve	Soil	1		X	√	√			ANALYSIS OF SMALLER
SB-7-5	6/4/2012	0940	Sleeve	Soil	1		X	√	√			SAMPLES
SB-8-1	6/4/2012	0950	Sleeve	Soil	1		X	√	√			

√ = If the detected concentration for an individual metal is 10 times greater than the STLC value of that metal, analyze the sample using the Califonria Waste Extraction Test (WET). If the detected concentration for a individual metal is 20 times greater than the TCLP value for the metal, analyze the sample using the EPA TCLP method.

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Ninyo & Moore	6/4/12 1430	[signature]	TAL	6/4/12 1430
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	TAL	6/4/12 1730	Stephanie O	TAL	6/4/12 @ 1730
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Form No. CA-C-WI-002, dated 04/07/2011

Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Scott Lutz	Site Contact:	Date: 6/3/12	COC No:
Ninyo & Moore	Tel/Fax:	Lab Contact:	Carrier:	4 of 7 COCs
5710 Ruffin Road	Analysis Turnaround Time			Job No.
San Diego, California	Calendar (C) or Work Days (W) _____			
858.576.1000 Phone	TAT if different from Below _____			
858.576.9600 FAX	☐ 2 weeks			SDG No.
Project Name: Cedar/Kettner	☑ 1 week			
Site: Cedar Street / Kettner Blvd	☐ 2 days			
P O # 107334001	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Title 22 Metals	STLC	TCLP	TPH (C4-C40)	VOCs													Sample Specific Notes:
SB-8-2	6/4/2012	0950	Sleeve	Soil	1		X	√	√															
SB-8-3	6/4/2012	0950	Sleeve	Soil	1		X	√	√															
SB-8-4	6/4/2012	0950	Sleeve	Soil	1		X	√	√															
SB-8-5	6/4/2012	0950	Sleeve	Soil	1		X	√	√															
SB-9-1	6/4/2012	1000	Sleeve	Soil	1		X	√	√	X	X													
SB-9-2	6/4/2012	1000	Sleeve	Soil	1		X	√	√															
SB-9-3	6/4/2012	1000	Sleeve	Soil	1		X	√	√															
SB-9-4	6/4/2012	1000	Sleeve	Soil	1		X	√	√															
SB-9-5	6/4/2012	1015	Sleeve	Soil	1		X	√	√	X	X													(*) HOLD PENDING
SB-10-1	6/4/2012	1015	Sleeve	Soil	1		X	√	√															ANALYSIS OF SMALLER
SB-10-2	6/4/2012	1015	Sleeve	Soil	1		X	√	√															SAMPLES
SB-10-3	6/4/2012	1015	Sleeve	Soil	1		X	√	√															

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

√ = If the detected concentration for an individual metal is 10 times greater than the STLC value of that metal, analyze the sample using the Califonria Waste Extraction Test (WET). If the detected concentration for a individual metal is 20 times greater than the TCLP value for the metal, analyze the sample using the EPA TCLP method.

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Ninyo & Moore	6/4/12 1430	[signature]	TAL	6/4/12 1430
[signature]	TAL	6/4/12 1730	[signature]	TAL	6/4/12 @1730

Form No. CA-C-WI-002, dated 04/07/2011

Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Scott Lutz	Site Contact:	Date: 6/3/12	COC No:
Ninyo & Moore	Tel/Fax:	Lab Contact:	Carrier:	5 of 7 COCs
5710 Ruffin Road	Analysis Turnaround Time			Job No.
San Diego, California	Calendar (C) or Work Days (W)			
858.576.1000 Phone	TAT if different from Below			
858.576.9600 FAX	☐ 2 weeks			SDG No.
Project Name: Cedar/Kettner	☑ 1 week			
Site: Cedar Street / Kettner Blvd	☐ 2 days			
P O # 107334001	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Title 22 Metals	STLC	TCLP	Sample Specific Notes:
SB-10-4	6/4/2012	1015	Sleeve	Soil	1		X	√	√	√ = If the detected concentration for an individual metal is 10 times greater than the STLC value of that metal, analyze the sample using the Califonria Waste Extraction Test (WET). If the detected concentration for a individual metal is 20 times greater than the TCLP value for the metal, analyze the sample using the EPA TCLP method.
SB-10-5	6/4/2012	1015	Sleeve	Soil	1		X	√	√	
SB-11-1	6/4/2012	1040	Sleeve	Soil	1		X	√	√	
SB-11-2	6/4/2012	1040	Sleeve	Soil	1		X	√	√	
SB-11-3	6/4/2012	1040	Sleeve	Soil	1		X	√	√	
SB-11-4	6/4/2012	1040	Sleeve	Soil	1		X	√	√	
SB-11-5	6/4/2012	1040	Sleeve	Soil	1		X	√	√	
SB-12-1	6/4/2012	1050	Sleeve	Soil	1		X	√	√	
SB-12-2	6/4/2012	1050	Sleeve	Soil	1		X	√	√	(1) HOLD PENDING ANALYSIS
SB-12-3	6/4/2012	1050	Sleeve	Soil	1		X	√	√	OF SMALLER SAMPLES
SB-12-4	6/4/2012	1050	Sleeve	Soil	1		X	√	√	
SB-12-5	6/4/2012	1050	Sleeve	Soil	1		X	√	√	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company: Ninyo & Moore	Date/Time: 6/4/12 1430	Received by:	Company: TAL	Date/Time: 6/4/12 1430
Relinquished by:	Company: TAL	Date/Time: 6/4/12 1730	Received by: Stephanie	Company: TAL	Date/Time: 6/4/12 @ 1730
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Form No. CA-C-WI-002, dated 04/07/2011

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Chain of Custody Record

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TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Scott Lutz	Site Contact:	Date: 6/3/12	COC No:
Ninyo & Moore	Tel/Fax:	Lab Contact:	Carrier:	6 of 7 COCs
5710 Ruffin Road	Analysis Turnaround Time			Job No.
San Diego, California	Calendar (C) or Work Days (W) _____			
858.576.1000 Phone	TAT if different from Below _____			
858.576.9600 FAX	☐ 2 weeks			SDG No.
Project Name: Cedar/Kettner	☑ 1 week			
Site: Cedar Street / Kettner Blvd	☐ 2 days			
P O # 107334001	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Title 22 Metals	STLC	TCLP	TPH (C4-C40)	VOCs	Sample Specific Notes:
SB-13-1	6/4/2012	1112	Sleeve	Soil	1		X	√	√			
SB-13-2	6/4/2012	1112	Sleeve	Soil	1		X	√	√			
SB-13-3	6/4/2012	1112	Sleeve	Soil	1		X	√	√			
SB-13-4	6/4/2012	1112	Sleeve	Soil	1		X	√	√			
SB-13-5	6/4/2012	1112	Sleeve	Soil	1		X	√	√			
SB-14-1	6/4/2012	1120	Sleeve	Soil	1		X	√	√	X	X	√ = If the detected concentration for an individual metal is 10 times greater than the STLC value of that metal, analyze the sample using the Califonria Waste Extraction Test (WET). If the detected concentration for a individual metal is 20 times greater than the TCLP value for the metal, analyze the sample using the EPA TCLP method.
SB-14-2	6/4/2012	1120	Sleeve	Soil	1		X	√	√			
SB-14-3	6/4/2012	1120	Sleeve	Soil	1		X	√	√	X	X	
SB-14-4	6/4/2012	1120	Sleeve	Soil	1		X	√	√			X HOLD PENDING
SB-14-5	6/4/2012	1120	Sleeve	Soil	1		X	√	√	X	X	ANALYSIS OF
SB-15-1	6/4/2012	1130	Sleeve	Soil	1		X	√	√			SMALLER SAMPLES
SB-15-2	6/4/2012	1130	Sleeve	Soil	1		X	√	√			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	NINYO & MOORE	6/4/12 1430	[signature]	TAL	6/4/12 1430
[signature]	TAL	6/4/12 1730	[signature]	TAL	6/4/12 @ 1730

Form No. CA-C-WI-002, dated 04/07/2011

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

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Ninyo & Moore	Tel/Fax:	Lab Contact:	Carrier:	7 of 7 COCs
5710 Ruffin Road	Analysis Turnaround Time			Job No.
San Diego, California	Calendar (C) or Work Days (W) _____			
858.576.1000 Phone	TAT if different from Below _____			
858.576.9600 FAX	☐ 2 weeks			SDG No.
Project Name: Cedar/Kettner	☑ 1 week			
Site: Cedar Street / Kettner Blvd	☐ 2 days			
P O # 107334001	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	Title 22 Metals	STLC	TCLP	TPH (C4-C40)	VOCs	Sample Specific Notes:
SB-15-3	6/4/2012	1130	Sleeve	Soil	1		X	√	√	X	X	
SB-15-4	6/4/2012	1130	Sleeve	Soil	1		X	√	√			
SB-15-5	6/4/2012	1155	Sleeve	Soil	1		X	√	√	X	X	√ = If the detected concentration for an individual metal is 10 times greater than the STLC value of that metal, analyze the sample using the Califonria Waste Extraction Test (WET). If the detected concentration for a individual metal is 20 times greater than the TCLP value for the metal, analyze the sample using the EPA TCLP method.
SB-16-1	6/4/2012	1155	Sleeve	Soil	1		X	√	√	X	X	
SB-16-2	6/4/2012	1165	Sleeve	Soil	1		X	√	√			
SB-16-3	6/4/2012	1155	Sleeve	Soil	1		X	√	√			
SB-16-4	6/4/2012	1155	Sleeve	Soil	1		X	√	√			
SB-16-5	6/4/2012	1155	Sleeve	Soil	1		X	√	√	X	X	
	6/4/2012		Sleeve	Soil	1		X	√	√			(X) HOLD PENDING
	6/4/2012		Sleeve	Soil	1		X	√	√			ANALYSIS OF SHALLOWER
	6/4/2012		Sleeve	Soil	1		X	√	√			SAMPLES
	6/4/2012		Sleeve	Soil	1		X	√	√			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For _____ Months*

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Ninyo & Moore	6/4/12 1430	[signature]	TAL	6/4/12 1430
[signature]	TAL	6/4/12 1730	[signature]	TAL	6/4/12 1730

Form No. CA-C-WI-002, dated 04/07/2011

1 2 3 4 5 6 7 8 9 10 11 12

Sanelle, Philip

From: Scott Lutz [slutz@ninyoandmoore.com]
Sent: Thursday, July 19, 2012 3:01 PM
To: Sanelle, Philip
Subject: Test America Job ID 440-13562-1

Phil,

From TestAmerica Job ID 440-13562-1, please analyze samples SB-6-1 and SB-13-2 using the WET method.

Scott Lutz
Project Environmental Scientist
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants
5710 Ruffin Road
San Diego, California 92123
(858) 576-1000 (x1280)
(858) 576-9600 (Fax)
slutz@ninyoandmoore.com
Experience . Quality . Commitment

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 440-13562-2

Login Number: 13562
List Number: 1
Creator: Kim, Will

List Source: TestAmerica Irvine

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is 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?	N/A	
There are no discrepancies between the sample IDs on the containers 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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	