Congress of the United States
Washington, DC 20515

December 16, 2013

The Honorable Gina McCarthy
Administrator
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington, DC 20460

Dear Administrator McCarthy:

As members of the United States House of Representatives, we urge you to swiftly propose a rule to restore protections to all of our nation's waterways. For the sake of our communities and the prospects of having waterways clean enough to swim in, fish from, and drink from, we must have a rule that protects all waters of the United States under the Clean Water Act, and we need your leadership to make that vision a reality.

Last year we celebrated the 40th anniversary of the Clean Water Act, which has been one of the most significant environmental laws in our nation's history. As was said on the floor of the House in 1972, "the conference bill defines the term 'navigable waters' broadly for water quality purposes. It means all 'the waters of the United States' in a geographical sense. It does not mean the 'navigable waters of the United States' in the technical sense as we sometimes see in some laws."[1] This definition protected our country's precious waterways by safeguarding our drinking water, alleviating flooding conditions, providing recreational opportunities, maintaining fish and wildlife habitat, and promoting a healthy economy.

However, two Supreme Court decisions – *Solid Waste Agency of Northern Cook County v. U.S. Army Corps of Engineers* and *Rapanos v. the United States* – have created significant uncertainty regarding federal jurisdiction under the Clean Water Act. According to the Environmental Protection Agency (EPA), these decisions have left almost 60 percent of our country's streams, at least 20 million acres of wetlands, and the drinking water for 117 million Americans at increased risk of pollution.

We are encouraged by EPA's commitment to follow sound science through their recent science report, which illustrates the significant relationship between tributaries and wetlands and the larger bodies of water into which they feed. EPA must continue to move this process forward swiftly and efficiently to prevent more pollution from entering our waterways.

[1] House debate, *Congressional Record*, vol. 118, part 25, (October 4, 1972), p. 33756

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As you have said, "We must ensure that water – so critical to human health, quality of life, and economic activity – is protected from dangerous contaminants, including new, emerging ones." We call on EPA to continue to prioritize a rulemaking to restore protections to all of our waterways. We stand ready to work with you and your Administration to help America on a path to a future where all our waterways are protected from dangerous pollution. Thank you for your support and leadership.

Sincerely,

John D. Dingell
Member of Congress

Jim Moran
Member of Congress

Louise M. Slaughter
Member of Congress

Bradley S. Schneider
Member of Congress

Chris Van Hollen
Member of Congress

Alcee L. Hastings
Member of Congress

Kathy Castor
Member of Congress

Mike Quigley
Member of Congress

John Conyers, Jr.
Member of Congress

Betty McCollum
Member of Congress

Sander M. Levin
Member of Congress

Earl Blumenauer
Member of Congress

Raúl M. Grijalva
Member of Congress

Mark Pocan
Member of Congress

Frederica S. Wilson
Member of Congress

Gerald E. Connolly
Member of Congress

Rush Holt
Member of Congress

Barbara Lee
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Jared Huffman
Member of Congress

Susan A. Davis
Member of Congress

Adam B. Schiff
Member of Congress

Jackie Speier
Member of Congress

Matt Cartwright
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Niki Tsongas
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Jerrold Nadler
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Steve Cohen
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James P. Langevin
Member of Congress

Janice D. Schakowsky
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Lois Capps
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Frank Pallone, Jr.
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Zoe Lofgren
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Charles B. Rangel
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Robert C. "Bobby" Scott
Member of Congress

Rosa L. DeLauro
Member of Congress

Carolyn B. Maloney
Member of Congress

Wm. Lacy Clay
Member of Congress

David N. Cicilline
Member of Congress

Henry A. Waxman
Member of Congress

Steve Israel
Member of Congress

Maxine Waters
Member of Congress

Michael E. Capuano
Member of Congress

Judy Chu
Member of Congress

Paul Tonko
Member of Congress

Daniel Lipinski
Member of Congress

Joseph P. Kennedy III
Member of Congress

Carol Shea-Porter
Member of Congress

Henry C. "Hank" Johnson
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Michael M. Honda
Member of Congress

Keith Ellison
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Bobby L. Rush
Member of Congress

Gwen Moore
Member of Congress

Gary C. Peters
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C.A. Dutch Ruppersberger
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Bill Pascrell, Jr.
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Allyson Y. Schwartz
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Diana DeGette
Member of Congress

Elizabeth H. Esty
Member of Congress

Gregory W. Meeks
Member of Congress

Scott H. Peters
Member of Congress

Adam Smith
Member of Congress

Beto O'Rourke
Member of Congress

Eleanor Holmes Norton
Member of Congress

David E. Price
Member of Congress

Debbie Wasserman Schultz
Member of Congress

William R. Keating
Member of Congress

John K. Delaney
Member of Congress

Donna M. Christensen
Member of Congress

John Lewis
Member of Congress

Jim McDermott
Member of Congress

José E. Serrano
Member of Congress

Michael H. Michaud
Member of Congress

Joe Courtney
Member of Congress

John F. Tierney
Member of Congress

Ann McLane Kuster
Member of Congress

Julia Brownley
Member of Congress

Gloria Negrete McLeod
Member of Congress

Chellie Pingree
Member of Congress

Doris O. Matsui
Member of Congress

Theodore E. Deutch
Member of Congress

Grace F. Napolitano
Member of Congress

G.K. Butterfield
Member of Congress

Lois Frankel
Member of Congress

Jared Polis
Member of Congress

Daniel T. Kildee
Member of Congress

Jim McGovern

George Miller

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MAY 19 2014

OFFICE OF WATER

The Honorable Beto O'Rourke
House of Representatives
Washington, D.C. 20515

Dear Congressman O'Rourke:

Thank you for your December 16, 2013, letter to the U.S. Environmental Protection Agency requesting that the EPA propose a rule that protects all waters of the United States under the Clean Water Act. The EPA appreciates your leadership on this important issue.

On March 25, 2014, the EPA and the U.S. Army Corps of Engineers released a proposed rule that would clarify the jurisdiction of the Clean Water Act. The proposed rule would provide greater consistency, certainty, and predictability nationwide by improving clarity in determining where the Clean Water Act applies. These improvements are necessary to reduce costs and minimize delays in the permit process and protect waters that are vital to public health, the environment, and the economy. The agencies' process for making these improvements has been and will be transparent, based on the best available science, consistent with the law, and will include the opportunity for public input. The EPA and the Corps have received requests for a rulemaking from members of Congress, state and local officials, industry, agriculture, environmental groups, and the public.

This proposed rule takes into consideration the latest peer-reviewed science, including the EPA's draft science report titled: *Connectivity of Streams and Wetlands to Downstream Waters*. The report presents a review and synthesis of more than 1,000 pieces of relevant peer reviewed scientific literature. The EPA's independent Science Advisory Board (SAB) has solicited public comment to discuss the EPA's draft report, and held a public peer review meeting from December 16-18, 2013. Any final regulatory action related to the jurisdiction of the Clean Water Act will be based on the final version of this scientific assessment, which will reflect the EPA's consideration of all comments received from the public and the independent peer review. The SAB panel recently released an initial draft of their peer review report and will hold public teleconferences on April 28 and May 2 to discuss their draft report. We anticipate that the SAB will complete its review this summer. The EPA and the Corps will fully evaluate the results of the SAB's review before a final rule is completed.

The agencies' proposed rule focuses on clarifying current uncertainty concerning the jurisdiction of the Clean Water Act that has arisen from recent Supreme Court decisions. For example, the EPA and the Corps are focusing on clarifying protection of the network of smaller waters that feed into larger ones in order to keep downstream water safe from upstream pollution. The agencies are also clarifying protection for wetlands that filter and trap pollution, store water, and help keep communities safe from floods. These clarifications will also result in important economic benefits for the nation's businesses, farmers, energy producers, and others who depend on abundant and reliable sources of clean water.

The proposed rule does not identify any changes to existing regulatory exemptions and exclusions, including those that apply to the agricultural sector that ensure the continuing production of food, fiber, and fuel to the benefit of all Americans. The proposed rule also recognizes waters that are never subject to Clean Water Act regulation, including certain ditches, farm ponds, drain tiles, and others.

Additionally, the EPA and the Army Corps have coordinated with the U.S. Department of Agriculture (USDA) to develop an interpretive rule to ensure that more than 50 specific conservation practices that protect or improve water quality will not be subject to Section 404 dredged or fill permitting requirements. The agencies will work together to implement these new exemptions and periodically identify, review, and update USDA's Natural Resources Conservation Service conservation practice standards and activities that would qualify under the exemption. Any agriculture activity that does not result in the discharge of a pollutant to waters of the U.S. still does not require a permit.

The agencies' proposed Waters of the United States rule was published in the Federal Register on April 21 for a 90-day public comment period. The agencies are launching a robust outreach effort during this period, holding discussions around the country and gathering input needed to shape a final rule. We welcome comments from you and from your constituents on our proposed rule.

Again, thank you for your letter. If you have further questions, please contact me or your staff may contact Denis Borum in the EPA's Office of Congressional and Intergovernmental Relations at borum.denis@epa.gov or (202) 564-4836.

Sincerely,

Nancy K. Stoner
Acting Assistant Administrator

Congress of the United States
Washington, DC 20515

January 22, 2014

The Honorable Gina McCarthy
Administrator
U.S. Environmental Protection Agency
Ariel Rios Building
1200 Pennsylvania Ave, N. W.
Washington, DC 20460
Re: Docket ID No. EPA-HQ-OW-2009-0819

Dear Administrator McCarthy,

We are writing in support of the Environmental Protection Agency's (EPA) proposed *Effluent Limitations Guidelines and Standards for the Steam Electric Power Generating Source Category*. We encourage EPA to expeditiously move to finalize a toxic water pollution rule that would lead to zero discharge of dangerous pollution like arsenic, mercury, lead and selenium into our country's river, lakes and streams.

Updated rules are needed because Steam Electric Power Plants are responsible for at least 50 to 60 percent of the toxic pollutants discharged annually into waters of the U.S. – more than the other top nine polluting industries combined.[1] Despite the scope of this pollution problem, the existing standards have not been updated since 1982 and fail to set discharge limits on a long list of dangerous pollutants toxic to humans and aquatic life. According to EPA, this failure has led to over 160 water bodies not meeting state water quality standards, 185 waters with fish consumption advisories and the degradation of 399 water bodies across the country that are drinking water supplies.[2]

The Clean Water Act requires states to set strong discharge standards for polluters in the absence of federal standards.[3] Unfortunately, most state permitting agencies have failed to set limits in discharge permits for individual plants that reflect the best available treatment technology and protect water quality. Treatment technologies are available today that can achieve near zero discharge of pollution at a cost that is affordable to the industry as a whole; in fact, 80 percent of plants no longer discharge fly ash wastewater and 42 percent of plants have eliminated bottom ash wastewater discharges.[4] The remaining plants that rely primarily on "settling ponds" to treat

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[1] EPA, *Environmental Assessment for the Proposed Effluent Limitations Guidelines and Standards for the Steam Electric Power Generating Point Source Category* 3-14 (April 2013)
[2] http://water.epa.gov/scitech/wastetech/guide/steam-electric/proposed.cfm
[3] 33 U.S.C. § 1314 (b); 40 C.F.R. § 122.44(a)(1), 123.25, 125.3
[4] 78 Fed. Reg. at 34,439; 34,470

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fly ash and bottom ash wastewater or sludge from flue gas desulphurization ("FGD") systems, are decades behind updating to the best available technology. Absent a strong federal rule, the amount and toxicity of this waste stream is expected to increase as more plants install much needed smokestack "scrubbers" - systems that prevent toxic metals from going into the air. Use of these scrubbers can result in a concentrated, wet, toxic sludge that is typically placed in settling ponds that are ineffective at treating dissolved metals.

We encourage EPA to act swiftly to finalize a strong rule that will require power plants to drastically reduce the amount of toxics and other harmful pollutants they discharge into rivers, lakes, streams and bays. A strong rule resulting in zero discharge would eliminate billions of tons of unnecessary pollution a year, resulting in thousands of river miles that are safer to swim and fish in, and thousands of miles of cleaner drinking water sources.

Sincerely,

James P. Moran
Member of Congress

Keith Ellison
Member of Congress

Steve Cohen
Member of Congress

Michael M. Honda
Member of Congress

Mike Quigley
Member of Congress

Earl Blumenauer
Member of Congress

Rush Holt
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Maxine Waters
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Judy Chu
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Peter A. DeFazio
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Chris Van Hollen
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William R. Keating
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Karen Bass
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John P. Sarbanes
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John F. Tierney
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Sheila Jackson Lee
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Carol Shea-Porter
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Louise McIntosh Slaughter
Member of Congress

Ann McLane Kuster
Member of Congress

Julia Brownley
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John Lewis
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Joseph P. Kennedy III
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John Conyers Jr.
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Elijah E. Cummings
Member of Congress

Kathy Castor
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Diana DeGette
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Robert E. Andrews
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C.A. Dutch Ruppersberger
Member of Congress

Beto O'Rourke
Member of Congress

Rosa L. DeLauro
Member of Congress

John K. Delaney
Member of Congress

Peter Welch
Member of Congress

George Miller
Member of Congress

Scott Peters
Member of Congress

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

APR - 8 2014

OFFICE OF WATER

The Honorable Beto O'Rourke
House of Representatives
Washington, D.C. 20515

Dear Congressman O'Rourke:

Thank you for your January 22, 2014, letter to the U. S. Environmental Protection Agency regarding discharges of toxic water pollution from steam electric power plants. We appreciate your support for the agency's rulemaking efforts on this important issue.

Steam electric power plants contribute over half of all toxic pollutants discharged to surface waters by all industrial categories currently regulated in the United States under the Clean Water Act. Discharges of these toxic pollutants are linked to cancer, neurological damage, and ecological damage. Many of these toxic pollutants, once in the environment, remain there for years.

As you mentioned in your letter, the EPA proposed to update the existing Effluent Limitations Guidelines and Standards for the Steam Electric Power Generating Source Category in April 2013. The proposed rule would strengthen the existing controls on discharges from these plants. It would set the first national limits on the levels of toxic metals in wastewater that can be discharged from power plants, based on technology improvements in the industry over the last three decades. At this time, we are evaluating more than 170,000 comments we received on the Steam Electric ELG proposal and we are working expeditiously to develop a final rule.

Again, thank you for your letter. If you have further questions, please contact me or your staff may contact Greg Spraul in the EPA's Office of Congressional and Intergovernmental Relations at spraul.greg@epa.gov or (202) 564-0255.

Sincerely,

Nancy K. Stoner
Acting Assistant Administrator

Congress of the United States
Washington, DC 20515

September 30, 2014

Administrator Gina McCarthy
U.S. Environmental Protection Agency
1200 Pennsylvania Ave, N.W.
Washington, DC 20460

Dear Administrator McCarthy,

On June 20, 2014, President Obama issued a directive to federal agencies to create a federal strategy to promote honeybee and other pollinator health. The President's leadership could not come at a more critical time. Commercial beekeepers across the country experienced extremely high colony losses this past winter, and their hives have yet to recover to full strength as they now continue to pollinate a multitude of crops around the country. Native pollinators, such as bumblebees, have also suffered alarming population declines, and two species now have petitions pending for protection under the Endangered Species Act. There are currently over 40 pollinator species Federally-listed as threatened or endangered, and most recently, the iconic monarch butterfly has declined by 90 percent.

Among other things, the President's directive charged federal agencies to expand efforts to reverse pollinator losses. Under the directive, the Environmental Protection Agency (EPA) is charged with assessing the effect of pesticides, predominantly neonicotinoids, on bee and other pollinator health and taking action, as appropriate, to protect pollinators. As your agency begins this process, we encourage you to consider the following developments.

Recent findings from the International Union for Conservation of Nature (IUCN) Task Force on Systemic Insecticides, which reviewed over 800 peer-reviewed published journal articles over the past two decades, determined that systemic pesticides –including neonicotinoids– are accumulating in soils and polluting waterways and natural vegetation across the world, leading to widespread impacts on wildlife inhabiting farmland and aquatic habitats. The Task Force also found growing evidence that much of their use as seed treatments is unnecessary and ineffective. Research has also shown steep declines in the abundance and distribution of one third of all North American bumblebee species, and surveys of winter habitat in Mexico show that the monarch butterfly has declined by 90% from almost a billion butterflies in the early 1990s. Studies have indicated adverse impacts of pesticides to many native pollinator species – these risks must be curbed before more species approach extinction. Most recently, research published in the journal Nature showed that the most severe bird population declines occurred in those areas where neonicotinoid pollution was highest. Starlings, tree sparrows, and swallows were among the most affected.

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In response to this growing body of information, the U.S. Fish and Wildlife Service (FWS) announced it plans to phase out use of neonicotinoids in all National Wildlife Refuges by 2016. In making its decision, FWS noted, "We have determined that prophylactic use, such as a seed treatment, of the neonicotinoid pesticides that can distribute systematically in a plant and can potentially affect a broad spectrum of non-target species is not consistent with Service policy. We make this decision based on a precautionary approach to our wildlife management practices and not on agricultural practices." FWS's decision marks a significant move in the right direction as the first U.S. agency to restrict use of neonicotinoids.

We encourage you to follow the lead of FWS and respond to this troubling situation swiftly and effectively. As you move forward with your assessment of these pesticides, we specifically request that EPA examine and consider the following issues:

Policy Recommendations

- Restrict and/or suspend the use of neonicotinoids on bee-attractive crops and ornamental applications. EPA should further restrict the times, methods of application, and locations of neonicotinoid use in order to protect pollinators. In instances where bees and other pollinators cannot be fully protected, we urge you to suspend the use of neonicotinoid products.

- FIFRA directs EPA to evaluate whether the use of pesticides (including neonicotinoids) proposed for registration presents "any unreasonable risk to man or the environment, taking into account the economic, social, and environmental costs and benefits [emphasis added]." If EPA's weighing of the foreseeable costs of a proposed product exceeds its foreseeable benefits, then FIFRA compels the agency to deny registration. Accordingly, EPA should conduct the requisite cost-benefit analysis and reject applications to register any prophylactic insecticides when EPA determines that their prophylactic use would undermine basic Integrated Pest Management (IPM) principles, may harm organic farm production, or are not cost-effective, either for the farmer or the nation as a whole.

- Fully comply with the Endangered Species Act Section 7 consultation requirements before registering pesticides. For neonicotinoids already registered, EPA should initiate consultation for all threatened and endangered pollinators immediately.

- Ensure pesticide labels are up to date and require a detailed bee hazard statement on the label of all neonicotinoid products, including treated seeds, not on just foliar use products as is the case now.

- Prior to registration of any new pesticide with high bee toxicity, require a comprehensive data set on pollinator toxicity, including both acute and chronic sublethal toxicity to native and managed bees at multiple life stages.

- Pesticide seed treatments should be fully assessed for impacts. Furthermore, neonicotinoid-treated seeds should not be exempted from federal pesticide regulations, as EPA currently allows.

- The Agency should phase out conditional registrations and should set a strict deadline for registrants to submit required data for meeting EPA's set conditions. Conditional registration allows a new active ingredient to enter the market for an unspecified period of time while the registrant gathers safety data requested by EPA. EPA's own analysis of the program between 2004 and 2010 confirms that this process has been misused in 98% of cases. Using conditional registration approximately 65% of the 16,000 currently registered pesticide products—including clothianidin and other neonicotinoids—have been rushed to market before basic toxicity testing is completed.

- Rectify discrepancies between application rates for backyard garden products and agricultural products. EPA should direct pesticide registrants to review product labels to determine the extent of the discrepancy between backyard use rates and agricultural rates. A recent analysis compared legal label rates of the active ingredient imidacloprid for use on apple trees in a backyard to agricultural application rates and found that use rates in a backyard could be up to 120 times higher than in agricultural applications. All discrepancies should be rectified.

- Re-categorize commercial neonicotinoid products as restricted use. The vast majority of neonicotinoid products are designated as general use. As such, individuals can apply these pesticides at their place of employment without obtaining a pesticide applicators license. Due to the newly emerging science demonstrating the risks of neonicotinoids, EPA should reassess neonicotinoid products intended for commercial use to determine whether they should be re-categorized as restricted use.

We thank you for your consideration and look forward to working with your agency as it addresses this critical issue.

Sincerely,

Earl Blumenauer
Member of Congress

John Conyers Jr.
Member of Congress

Madeleine Bordallo
Member of Congress

Matt Cartwright
Member of Congress

Judy Chu
Member of Congress

Katherine Clark
Member of Congress

Yvette Clarke
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Jared Huffman
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Suzanne Bonamici
Member of Congress

Bill Pascrell Jr.
Member of Congress

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

JAN 20 2015

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

The Honorable Beto O'Rourke
U.S. House of Representatives
Washington, D.C. 20515

Dear Congressman O'Rourke:

Thank you for your September 30, 2014, letter to the U.S. Environmental Protection Agency regarding concerns about potential impacts of neonicotinoid pesticides on bees and the EPA's approach to regulating these chemicals. I want to assure you that the EPA is working aggressively to protect bees and other pollinators from the potential effects of pesticides and is engaged in national and international efforts to address those concerns.

The scientific issues concerning the role of pesticides in pollinator declines are complex, and we need to ensure that the EPA's regulatory positions do not outpace scientific consensus or otherwise depart from the requirements of federal law. One of the challenges for the agency's pesticide office involves how to provide accurate information about extremely complicated issues and rapidly advancing science so that our position and rationale become part of the public discourse.

Science is the backbone of the EPA's decision-making and we must ensure rigorous adherence to the best available science. That is why the agency has begun to employ a new risk assessment framework for bees as part of its regulatory decision-making process for all pesticide chemistries.[1] To develop this framework, we went through a peer-review process over several years to identify the kinds of data that would reliably address how pesticide use may impact pollinators.[2] Regulatory officials in Canada and California are also using EPA's risk assessment framework for their pollinator assessments. The recent studies on pollinators and pesticides that you mention in your letter exemplify the challenge we face.

When we review studies currently available in peer-reviewed journals or by foreign governments, we have found that many have shortcomings because they lack robust supporting data or were not developed following the agency's standards and criteria that serve as the foundation of our risk assessments. Consequently, these studies do not always provide the kinds of data the agency needs for regulatory risk assessments and management decisions. Because data generated according to the agency's guidance will generally be more robust and provide a more scientifically sound and transparent basis for regulatory decisions, we have begun routinely requiring companies to conduct such studies on their pesticides. This does not mean that open literature studies have no value for the agency's pesticide regulatory purposes. Rather, the EPA will always consider new studies and weigh them along with other available data in meeting the requirements of federal law.[3] To that end, the agency will conduct an open literature review as part of our registration review of the neonicotinoid pesticides, and the studies you mention will be included.

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[1] http://www2.epa.gov/pollinator-protection/pollinator-risk-assessment-international-workshop
[2] http://www2.epa.gov/pollinator-protection/fifra-peer-review-proposed-risk-assessment-methods-process
[3] http://www2.epa.gov/pesticide-registration/understanding-science-behind-epas-pesticide-decisions

With respect to your policy recommendations, I am happy to report that the EPA is already working on or has resolved many of your suggestions and concerns.

- Building on the EPA's 2013 initiative for new pesticide labels that prohibit use of some neonicotinoid pesticide products where bees are present,[4] we are working with our state and tribal partners on a new proposal to require additional label restrictions intended to reduce the likelihood of acute mortality to bees. The new mitigation measures will affect a much broader suite of chemicals – those that are known to be acutely toxic to bees. I anticipate announcing the new labeling proposal and inviting public comment in the coming months.
- On October 16, 2014, the EPA announced the public availability of the first of several benefit analyses we are conducting as part of the registration review process for the neonicotinoid pesticides. The agency's analysis of the benefits of neonicotinoid seed treatments for insect control in soybeans concluded that there is little or no increase in soybean yields using most neonicotinoid seed treatments when compared to using no pest control at all.[5] Consistent with EPA's longstanding policies on public participation and transparency, we are accepting public comments on the analysis and will take appropriate regulatory action, if necessary, once we have analyzed and accounted for the comments received. Other benefits analyses for the neonicotinoid pesticides are under way.
- With respect to protecting endangered species, publicly available documents in the regulatory dockets for the neonicotinoid pesticides describe the agency's intent to address Endangered Species Act section 7(a)(2) obligations during registration review.[6,7,8,9,10,11] Consistent with the agency's responsibilities under the Endangered Species Act, the agency will evaluate risks to federally listed threatened and/or endangered species from registered uses of these pesticides. Risk assessments will be conducted in accordance with the EPA's *Overview of the Ecological Risk Assessment Process*,[12] provisions of the ESA, the Services' Endangered Species Consultation Handbook,[13] and consistent with the 2013 joint Interim Approaches for assessing risks to endangered species from pesticides.[14]
- In November 2012, the EPA, in collaboration with Health Canada's Pest Management Regulatory Agency and the California Department of Pesticide Regulation, presented a quantitative risk assessment process for bees and other insect pollinators to the FIFRA Scientific Advisory Panel.[15] The agency has begun to employ this new risk assessment framework for bees as part of its regulatory decision-making process for all pesticide chemistries. The new framework:
    - relies on a tiered process;
    - focuses on the major routes of exposure, including contact exposure (*e.g.*, from overspray or direct contact with the pesticide on the plant surface) and dietary exposure (*e.g.*, from consumption of contaminated pollen or nectar); and

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[4] http://go.usa.gov/AgQ3
[5] http://go.usa.gov/AgQ9
[6] Imidacloprid: http://www.regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2008-0844-0003
[7] Clothianidin: http://www.regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0865-0003
[8] Thiamethoxam: http://www.regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0581-0003
[9] Dinotefuran: http://www.regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2011-0920-0005
[10] Acetamiprid: http://www.regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2012-0329-0003
[11] Thiacloprid: http://www.regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2012-0218-0005
[12] http://www.epa.gov/espp/consultation/ecorisk-overview.pdf
[13] https://www.fws.gov/ENDANGERED/esa-library/pdf/esa_section7_handbook.pdf
[14] http://www.epa.gov/espp/2013/interagency.pdf
[15] http://www2.epa.gov/pollinator-protection/how-we-assess-risks-pollinators

- distinguishes different types of pesticide treatments, such as compounds applied to plant leaves or seed/soil-applied (systemic) compounds.

- The EPA assesses risks from approved seed treatment uses as a regular part of our pesticide registration and registration review processes. We believe the new risk assessment framework for bees described above should improve our understanding and mitigation of risks to bees posed by all approved pesticide uses, including seed treatments.
- Conditional registration is a topic about which there is a vast amount of inaccurate information online. The EPA's conditional registration Web page[16] provides extensive facts that set the record straight. The bottom line is that the EPA has, at times, misclassified the status of conditionally and unconditionally registered pesticides in our record-keeping, but our registration decisions, including those for clothianidin and the other neonicotinoid pesticides, met the statutory standards.
- With respect to reported discrepancies between residential and agricultural pesticide products, the claimed discrepancies were the result of miscalculations and a misunderstanding of pesticide labels by the study authors.
- Finally, with respect to categorizing commercial neonicotinoids as restricted use pesticides, as a part of the pesticide registration process, the agency may classify products or uses as "restricted use" if the EPA finds they may cause unreasonable adverse effects even when used as directed on the product labeling. Depending upon our review of the data during registration review, we will revisit whether these products should be classified as restricted use.

Let me close by reiterating that, at the EPA, we are committed to finding and implementing a wide range of actions to effectively address the complex and varied stressors facing pollinators in this country. We believe that staying abreast of evolving science,[17] communicating with our regulatory partners here and abroad, and working with research scientists and practitioners in laboratories and in the field puts the agency in the best position to account for, in our regulatory decisions, potential effects of neonicotinoid pesticides on honey bees. The registration review process allows the EPA to act quickly if the data and associated scientific evaluations warrant such action. If the risk posed by a pesticide, supported by the best available, peer-reviewed science, cannot be mitigated or managed through other measures, and the agency determines that the pesticide no longer meets the FIFRA standard for registration, then the EPA will move quickly to take appropriate regulatory action.

Again, thank you for your letter. If you have further questions, please contact me or your staff may contact Mr. Sven-Erik Kaiser in the EPA's Office of Congressional and Intergovernmental Relations at kaiser.sven-erik@epa.gov or (202) 566-2753.

Sincerely,

James J. Jones
Assistant Administrator

[16] http://www2.epa.gov/pesticide-registration/conditional-pesticide-registration
[17] http://www.ars.usda.gov/News/docs.htm?docid=15572#research

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

AUG 3 1 2016

OFFICE OF WATER

The Honorable Beto O'Rourke
U.S. House of Representatives
Washington, D.C. 20515

Dear Congressman O'Rourke:

Thank you for your June 30, 2016, letter regarding the U.S. Environmental Protection Agency's Lead and Copper Rule. There is no higher priority for the EPA than protecting public health and ensuring the safety of our nation's drinking water. The agency remains fully committed to improving public health protection provided by the LCR and is moving expeditiously to prepare revisions to the rule.

In your letter, you urge the EPA to bring the current rule and action level in line with the World Health Organization's guideline of 10 ppb for lead and the European Union Council's Directive on Drinking Water Quality's level of 10 ppb for lead, and to ensure that the current rule and action level are in line with the most up-to-date scientific research on lead levels and corrosion controls. The EPA is committed to using the best science available in all evaluations supporting the LCR revisions, including treatment feasibility and corrosion control.

In addition, your letter urges the agency to establish a national clearinghouse of information on lead for the public as recommended by the National Drinking Water Advisory Council. We will consider this input as we are carefully evaluating information and recommendations provided by the NDWAC, other stakeholders, and national experience in implementing the current rule, including lessons learned from the events in Flint, Michigan, to develop proposed improvements to the LCR.

In addition to preparing a proposal for LCR revisions, the EPA has also undertaken a number of activities to improve implementation of the current LCR. Under the Safe Drinking Water Act, most states have primary responsibility for implementation and enforcement of the LCR and other drinking water regulations, while the agency is tasked with oversight of state efforts. In light of concerns raised by recent events in Flint, Michigan, the agency is increasing oversight of state programs to identify and address any deficiencies in implementation of the LCR. EPA staff are meeting with every state drinking water program across the country to ensure that states are taking appropriate actions to address lead action level exceedances, including optimizing corrosion control, providing effective public health communication and outreach to residents on steps to reduce exposures to lead, and removing lead service lines where required by the LCR.

In February 2016, Administrator McCarthy sent letters to the governors of all states with primary enforcement authority under SDWA, calling on them to take proactive steps to ensure proper implementation of the LCR. I sent concurrent letters to the environmental or public health commissioners in these states, outlining specific steps to this end, including: confirming use of relevant EPA guidance, improved transparency and accountability with regard to lead sampling and related

issues, and proactive steps to provide residents with earlier and better information on lead sampling and risks associated with lead in drinking water. Every state has confirmed, either in its initial response to the February 29 letters or in follow-up communications with the EPA, that state protocols and procedures are fully consistent with the LCR and applicable EPA guidance, including protocols and procedures for optimizing corrosion control. States have indicated that they already posted or will post state LCR sampling protocols and guidance to their public websites. In addition, many states have provided examples of how they are promoting transparency and public education. The agency sent a response to governors and state environmental and public health commissioners in July 2016 to highlight some of the promising practices identified in state responses. The letters are available at *https://www.epa.gov/dwreginfo/state-responses-epas-letter-governors-and-state-environment-and-public-health.*

Again, thank you for your letter. If you have further questions, please contact me or your staff may contact Cathy Davis in the EPA's Office of Congressional and Intergovernmental Relations at Davis.CatherineM@epa.gov or (202) 564-2703.

Sincerely,

Joel Beauvais
Deputy Assistant Administrator

Alva Alvarez
REEVES COUNTY ATTORNEY
Post Office Box 825
Pecos, Texas 79772
432-445-5480 (office) 432-445-7044 (facsimile)

FACSIMILE TRANSMITTAL SHEET

TO:	FROM:
Hon. Beto O'Rourke	Alva Alvarez
COMPANY:	DATE:
	4/21/2016
FAX NUMBER:	TOTAL NO. OF PAGES, INCLUDING COVER:
(915)541-1407	2
PHONE NUMBER:	
(915)541-1400	
RE:	
Contact Person at EPA	

☐ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

NOTES/COMMENTS:

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Alva Alvarez
REEVES COUNTY ATTORNEY
Post Office Box 825
Pecos, Texas 79772
432-445-5480 (office) 432-445-7044 (facsimile)
reevesco.atty@co.reeves.tx.us

April 21, 2016

Via facsimile (915) 541-1407

Hon. Beto O'Rourke
303 N. Oregon Street, Suite 210
El Paso, Texas 79901

Re: Contact person at EPA (fracking and endangered species)?

Dear Representative O'Rourke:

We met last summer at a Texas Lyceum Meeting in El Paso. You were interviewed by Evan Smith of the *Texas Tribune* about your views on the legalization of marijuana in this country and you autographed *Dealing Death and Drugs* for me. I really enjoyed the book.

Though I know I should be addressing my own representative, Will Hurd, I have little faith that as a republican representing Reeves County, which has had such great economic success from the production of oil and gas, he would take my concern very seriously.

What I am asking from you or your staff is to please provide me with a contact at the EPA who might be interested in knowing that the Texas Railroad Commission has granted permits to an oil and gas company for drilling about a mile away from the Balmorhea State Park, which is the habitat for the endangered Comanche Springs Pupfish. The Park and the pupfish are fed by the San Solomon springs, which could potentially be greatly affected by fracking in the area. Studies conducted by the University of Texas at Austin found that the spring water comes to the Balmorhea State Park via an underground channel one hundred miles away. It is possible that once fracking begins, the company could fracture the channel that carries the water, causing the water to divert or worse, causing us to lose it all together. There are also other springs in the immediate area that could also be affected. If you aren't familiar with the Balmorhea State Park, I urge you to visit or at the very least, google images of the beautiful park. It's an oasis of West Texas and a genuine jewel of a place that should be protected by us all.

If you are able to share the information I have requested, please feel free to call me on my cell phone at 432-254-9202 or email me at reevesco.atty@co.reeves.tx.us.

I appreciate very much your time and wish you the best of luck in all of your endeavors.

Sincerely yours,

Alva E. Alvarez

BETO O'ROURKE
16TH DISTRICT, TEXAS

COMMITTEE ON
ARMED SERVICES

COMMITTEE ON
VETERANS' AFFAIRS

Congress of the United States
House of Representatives
Washington, DC 20515

1330 LONGWORTH BUILDING
WASHINGTON, DC 20515
(202) 225-4831

303 N. OREGON, SUITE 210
EL PASO, TX 79901
(915) 541-1400

orourke.house.gov

June 2, 2016

The Honorable Gina McCarthy
Administrator
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington, DC 20460

Dear Administrator McCarthy:

I am writing as a follow-up to my initial inquiry with your agency last month regarding recent reports indicating extremely high levels of lead in the drinking water at the El Paso State Supported Living Center (Center) in El Paso, Texas. As the federal agency in charge of regulating drinking water in the United States for contaminants such as lead, I urge you to make available to the State of Texas the necessary resources to quickly address this issue.

As you may know, the El Paso Times reported on May 25, 2016 that test results at the Center in El Paso "show[ed] lead levels in drinking water that were hundreds of times higher than all but the biggest measurements taken in Flint, Mich[igan]." According to the report, one of the test results was so high that it qualifies under your agency's definition of "hazardous waste." I am concerned about the health and well-being of people I serve who are being poisoned by toxic levels of lead.

It is my understanding that the Texas Department of Aging and Disability Services will begin testing residents at the El Paso's State Supported Living Center. The federal government also has a responsibility in this matter to provide residents at the Center with clean drinking water. I ask for your utmost urgency in responding to this issue and request that you respond as soon as possible with the steps your agency will take to correct these problems and safeguard the public health. Additionally, I request that your agency provide my office with updates on how you are working with local and state officials to ensure that all parties are complying with federal regulations regarding lead contamination in water.

Thank you for your help.

Sincerely,

Beto O'Rourke

Beto O'Rourke
Member of Congress

cc: The Honorable Dr. Tom Frieden, Director, Center for Disease Control and Prevention

THIS STATIONERY PRINTED ON PAPER MADE OF RECYCLED FIBERS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TEXAS 75202 2733

June 30, 2016

Office of the Regional Administrator

The Honorable Beto O Rourke
Care of the United States House of Representatives
Washington, DC 20515

Dear Congressman O Rourke:

Thank you for your letter dated June 2, 2016, to Ms. Gina McCarthy, Administrator, U.S. Environmental Protection Agency, regarding health concerns from recent reports indicating extremely high levels of lead in the drinking water at the State Supported Living Center in El Paso, Texas. The EPA shares your concerns regarding the safety of drinking water quality and is currently reviewing a number of regulations for consideration of revision in light of the Flint, Michigan event.

The El Paso State Supported Living Center is not an individual public water system but is connected to the City of El Paso. As a result of the Texas Department of Aging and Disability Services facility findings, the City of El Paso conducted additional entry point lead and copper sampling, as well as water quality parameter sampling, within their distribution system. The sample results confirmed that the City of El Paso public water system remains compliant with the Lead and Copper Rule, and the high lead results at the State Supported Living Center may be indicative of plumbing infrastructure at the State Supported Living Center.

Enclosed in this correspondence you will find the results of the Texas Department of Aging and Disability Services studies at the El Paso, San Angelo, and Brenham State Supported Living Centers, and a fact sheet with responses to questions raised during our June 18, 2016, call.

The EPA acknowledges that there is important work to be done to strengthen the Lead and Copper Rule, and continues to work collaboratively with all state primacy agencies, including the TCEQ, to increase oversight, address deficiencies and improve transparency and public information regarding the implementation of Lead and Copper Rule with public water systems. The EPA continues to work with states to ensure proper steps are being taken to implement the current rule. Most recently, EPA specifically identified from specific states best practices, examples that further enhance implementation of the Lead and Copper Rule to share among all states to better promote advancement of such practices. In addition, the EPA looks forward to opportunities to strengthen the current rule, including working with states and stakeholders to develop the proposed Lead and Copper Rule revisions in the coming year.

The EPA will continue to follow-up with drinking water quality and the health effects of lead and copper at the El Paso State Supported Living Center.

This paper is printed with vegetable-oil-based inks and is 100-percent postconsumer recycled material, chlorine-free-processed and recyclable

If you have any questions, please contact me at (214) 665-2100, or your staff may contact Mr. Austin Vela, Congressional Liaison, at (214) 665-9792.

Sincerely,

Ron Curry
Regional Administrator

Enclosures

cc: Dr. Tom Frieden, Director
Center for Disease Control and Prevention

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chlorine-free-processed and recyclable

Responses

1) What are the precautions steps being taken at the DADs facilities to reduce the lead levels?

   Based on information received from DADS, TCEQ understands that bottled water is being provided at the facilities where elevated lead levels were detected as well as providing outreach and education materials, replacing sink faucets and possibly other plumbing fixtures, and scheduling customer service inspections of facility plumbing.

2) What is being done in regards to testing at the DADS facilities, including how TCEQ is monitoring what DADS and the respective Texas health agencies are doing? Will TCEQ be assessing and requiring pipe plumbing replacement? Would TCEQ recommend POU POE installation?

   According to DADS, they began a self-initiated testing of the water at the SSLCs, including the center in EL Paso, Texas, on a quarterly basis to proactively identify unacceptable levels of lead and or copper. Effective January 1, 2016, DADS policy, which is independent of federal LCR provisions, directs SSLCs to conduct quarterly sampling of one quadrant of each campus and to send the samples to a Texas Commission on Environmental Quality (TCEQ) certified laboratory (lab) for analysis.

   If the lab results show elevated levels of lead and or copper, or other materials, the SSLC is immediately required to develop a plan to protect the health of residents and staff. This plan includes having a TCEQ-approved lab analyze samples representative of the full campus to determine the extent of the issue and then consult with an expert from the Department of State Health Services to examine any potential health impact on the residents and staff.

   Since the initial round of testing showed action level exceedances at three SSLCs (Brenham, El Paso, and San Angelo), the three SSLCs are required to undergo testing of the full campuses, per DADS policy. Each SSLC will resume normal testing protocol after ensuring residents have safe drinking water.

   TCEQ staff are in the process of working with DADS staff to verify the sampling methodology used to collect the samples as well as verify the specific tap location used as monitoring locations. With respect to requiring pipe plumbing replacement of POU POE installation, the appropriate treatment or remediation technique is still being determined. We are aware that DADS, at TCEQ s urging, has retained a contractor to conduct customer service inspections.

   In the meantime, based on information received from DADS, TCEQ understands that DADS is providing bottled water at the facilities where elevated lead levels were detected as well as providing outreach and education materials, replacing sink faucets and possibly other plumbing fixtures, and scheduling customer service inspections of facility plumbing.

3) What actions would EPA take depending on what these testing results show?

   EPA would take actions, formal or informal, at the request of TCEQ or if TCEQ failed to implement the federal LCR that the state has adopted as a condition of their primary enforcement

authority delegation. These actions could range from direct technical assistance (informal) to administrative or emergency action orders (formal), as needed.

4) How often does EPA monitor the state's drinking water program?

   Our program managers are in frequent contact with their state counterparts, sometimes several times per week to daily depending on the urgency of the situation. TCEQ, as have most states, has provided extensive details on their implementation of every aspect of the LCR (implementation framework). States are also required to provide data to EPA quarterly which we analyze for compliance issues. In September 2016, Region 6 is sending a team to Austin to perform review on the state's implementation of these regulations.

ENCLOSURE # 1

ANALYTICAL REPORT

SAN ANGELO STATE SUPPORTED LIVING CENTER

Analytical Report 526572

for

SKG Engineering

Project Manager: Stephanie Cheatham

San Angelo State Supported Living Center

1st quarter

14-MAR-16

Collected By: Client

4147 Greenbriar Dr.
Stafford, TX 77477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-15-19), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534-15-1)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)

14-MAR-16

Project Manager: **Stephanie Cheatheam**
SKG Engineering
706 South Abe Street
San Angelo, TX 76903

Reference: XENCO Report No(s): **526572**
San Angelo State Supported Living Center
Project Address: San Angelo State Supported Living Center

Stephanie Cheatheam:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 526572. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 526572 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Gale Denman

Gale Denman
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
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Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analysis Summary 526572

SKG Engineering, San Angelo, TX

Project Name: San Angelo State Supported Living Center

Project Id:

Contact: Stephanie Cheatheam

Project Location: San Angelo State Supported Living Cente

Date Received in Lab: Thu Mar-10-16 09:20 am

Report Date: 14-MAR-16

Project Manager: Gale Denman

Analysis Requested	*Lab Id:*	526572-001		526572-002		526572-003		526572-004		526572-005		526572-006	
	Field Id:	16-0505 Bldg 511		16-0506 Bldg 512		16-0507 Bldg 512		16-0508 Bldg 514		16-0509 Bldg 514		16-0510 Bldg 515	
	Depth:												
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled:	Mar-09-16 11:03		Mar-09-16 11:13		Mar-09-16 11:10		Mar-09-16 10:54		Mar-09-16 10:58		Mar-09-16 10:44	
Metals by EPA 200.8	*Extracted:*	Mar-10-16 14:00		Mar-10-16 14:00		Mar-10-16 14:00		Mar-10-16 14:00		Mar-10-16 14:00		Mar-10-16 14:00	
	Analyzed:	Mar-10-16 21:40		Mar-10-16 21:48		Mar-10-16 21:55		Mar-10-16 22:02		Mar-10-16 22:24		Mar-10-16 22:39	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Copper		0.0821	0.00400	0.281	0.00400	1.01	0.00400	0.139	0.00400	0.206	0.00400	0.0876	0.00400
Lead		BRL	0.00200	BRL	0.00200	0.118	0.00200	BRL	0.00200	0.00282	0.00200	0.0170	0.00200

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories
XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented
Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Gale Denman
Project Manager

Certificate of Analysis Summary 526572

SKG Engineering, San Angelo, TX

Project Name: San Angelo State Supported Living Center

Project Id:

Contact: Stephanie Cheatheam

Project Location: San Angelo State Supported Living Cente

Date Received in Lab: Thu Mar-10-16 09:20 am

Report Date: 14-MAR-16

Project Manager: Gale Denman

Analysis Requested	*Lab Id:*	526572-007		526572-008		526572-009		526572-010			
	Field Id:	16-0511 Bldg 516		16-0512 Bldg 516		16-0513 Bldg 516		16-0514 Bldg 519			
	Depth:										
	Matrix:	WATER		WATER		WATER		WATER			
	Sampled:	Mar-09-16 10:32		Mar-09-16 10:28		Mar-09-16 10:36		Mar-09-16 10:48			
Metals by EPA 200.8	*Extracted:*	Mar-10-16 14:00		Mar-10-16 14:00		Mar-10-16 14:00		Mar-10-16 14:00			
	Analyzed:	Mar-10-16 22:46		Mar-10-16 22:54		Mar-10-16 23:01		Mar-10-16 23:08			
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL		
Copper		0.259	0.00400	0.160	0.00400	0.148	0.00400	0.0454	0.00400		
Lead		0.00264	0.00200	0.00444	0.00200	0.00288	0.00200	0.00218	0.00200		

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented
Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Gale Denman
Project Manager

Final 1.000

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

BS / BSD Recoveries

Project Name: San Angelo State Supported Living Center

Work Order #: 526572

Project ID:

Analyst: BHRE

Date Prepared: 03/10/2016

Date Analyzed: 03/10/2016

Lab Batch ID: 990039

Sample: 706200-1-BKS

Batch #: 1

Matrix: Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Metals by EPA 200.8 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Copper	<0.00400	0.100	0.105	105	0.100	0.103	103	2	85-115	20	
Lead	<0.00200	0.100	0.106	106	0.100	0.105	105	1	85-115	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS Recoveries

Project Name: San Angelo State Supported Living Cent

Work Order #: 526572

Lab Batch #: 990039

Date Analyzed: 03/10/2016

QC- Sample ID: 526572-005 S

Reporting Units: mg/L

Date Prepared: 03/10/2016

Batch #: 1

Project ID:

Analyst: BHRE

Matrix: Water

Metals by EPA 200.8	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Copper	0.206	0.100	0.306	100	70-130	
Lead	0.00282	0.100	0.110	107	70-130	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

Form 3 - MS / MSD Recoveries

Project Name: San Angelo State Supported Living Center

Work Order # : 526572

Lab Batch ID: 990039

Date Analyzed: 03/10/2016

Reporting Units: mg/L

QC- Sample ID: 526508-002 S

Date Prepared: 03/10/2016

Project ID:

Batch #: 1 **Matrix:** Water

Analyst: BHRE

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Metals by EPA 200.8 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Copper	0.209	0.100	0.316	107	0.100	0.301	92	5	70-130	20	
Lead	0.00233	0.100	0.109	107	0.100	0.107	105	2	70-130	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

SKG ENGINEERING, LLC
SURVEYING • ENVIRONMENTAL • LAB/CMT
708 SOUTH ABE STREET
SAN ANGELO, TEXAS 76903
PHONE: 325.655.1288
FAX: 325.657.8189

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Project No.

Client / Project: San Angelo State Supported Living Center 526572-H

Field Sample No./ Identification	Date/Time Sampled	Grab	Comp.	No. of Sample Containers	Sample Type (Liquid, Sludge, etc.)	Preservative	Analysis Requested
16-0505 11. Bldg 511	3-9-16 11:03AM	√		1	Liquid	HNO3	Lead, Copper
16-0506 12. Bldg 512	3-9-16 11:13AM	√		1	Liquid	HNO3	Lead, Copper
16-0507 13. Bldg 512	3-9-16 11:10AM	√		1	Liquid	HNO3	Lead, Copper
16-0508 14. Bldg 514	3-9-16 10:54AM	√		1	Liquid	HNO3	Lead, Copper
16-0509 15. Bldg 514	3-9-16 10:58AM	√		1	Liquid	HNO3	Lead, Copper
16-0510 16. Bldg 515	3-9-16 10:44AM	√		1	Liquid	HNO3	Lead, Copper
16-0511 17. Bldg 516	3-9-16 10:32AM	√		1	Liquid	HNO3	Lead, Copper
16-0512 18. Bldg 516	3-9-16 10:28AM	√		1	Liquid	HNO3	Lead, Copper
16-0513 19. Bldg 516	3-9-16 10:36AM	√		1	Liquid	HNO3	Lead, Copper
16-0514 20. Bldg 519	3-9-16 10:48AM	√		1	Liquid	HNO3	Lead, Copper

Samplers: (Signature)		Relinquished by:	Date:	Received by:	Date:
Eric S. Thibodeaux		Eric S. Thibodeaux (Signature)	3-9-16 Time: 1:45pm	Mandi Bake (Signature)	03/09/16 Time: 1:45pm
Affiliation		Mandi Bake (Signature)	03/09/16 Time: 1:45pm	(Signature)	Date: Time:
SASSLC		Lanestin (Signature)	3/10/16 Time: 920	(Signature)	3/10/16 Time: 920

Remarks:

Temp 4.1 IR ID:HOU-025
C/F:+0.2
Corrected Temp: 4.3

Data Results To:
1. lab@skge.com
2. mandi@skge.com

Date Results Needed:

Requested TAT:

LSO
It's all in the delivery.

Airbill No. ZT510655

Lone Star Overnight
1-800-800-8984
www.lso.com

SHIP TO:
XENCO LABORATORIES
XENCO LABORATORIES
4143 GREENBRIAR DRIVE
STAFFORD, TX 77477
2812404200

From:
MANDI BRAKE
SKG ENGINEERING
706 SOUTH ABE STREET
SAN ANGELO, TX 76903
3256551288

W HBY

LSO GROUND
END OF BUSINESS DAY DELIVERY

PRINT DATE: 3/9/2016
QUICKCODE: XENCO-STAFFORD
REF 1: 1D00V.0000

WEIGHT: 30.00LBS

Fold on above line and place shipping label in pouch on package. Please be sure the barcodes and addresses can be read and scanned. Shipping Instructions

1. Fold this page along the horizontal line above.
2. Place this Airbill in the shipping label pouch on the package you are shipping. Please be sure the barcodes and addresses can be read and scanned.
3. To locate a drop box near you, click on **Find A Drop Box** from the home page main menu.
4. To schedule a pickup, clicl

CUSTODY SEAL
DATE 3.9.2016
SIGNATURE L. Garza
SKG, LLC
325-655-1288

WARNING: Use only the printed original label is fraudulent and could result in additional billing charges, along with t nd / or additional research This label is valid for use for 3 months from th charges. LIMIT OF LIABILITY: We are not responsiv : 1) declare a greater value (not to exceed $25,000); 2) pay an additional fee; 3) and document your actu ot pay any claim in excess of the actual loss. We are not liable for any special or consequential damages. Additional limitati contained in our current Service Guide. If you ask us to deliver a package without obtaining a delivery signature, you release us of all liability for claims resulting from such service. NO DELIVERY SIGNATURE WILL BE OBTAINED FOR 8:30 AM DELIVERIES OR RESIDENTIAL DELIVERIES.

XENCO Laboratories
Prelogin/Nonconformance Report- Sample Log-In

Client: SKG Engineering

Date/ Time Received: 03/10/2016 09:20:00 AM

Work Order #: 526572

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : HOU025

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	4.3	
#2 *Shipping container in good condition?	Yes	
#3 *Samples received on ice?	Yes	
#4 *Custody Seals intact on shipping container/ cooler?	Yes	
#5 Custody Seals intact on sample bottles?	Yes	
#6 *Custody Seals Signed and dated?	Yes	
#7 *Chain of Custody present?	Yes	
#8 Sample instructions complete on Chain of Custody?	Yes	
#9 Any missing/extra samples?	No	
#10 Chain of Custody signed when relinquished/ received?	Yes	
#11 Chain of Custody agrees with sample label(s)?	Yes	
#12 Container label(s) legible and intact?	Yes	
#13 Sample matrix/ properties agree with Chain of Custody?	Yes	
#14 Samples in proper container/ bottle?	Yes	
#15 Samples properly preserved?	Yes	
#16 Sample container(s) intact?	Yes	
#17 Sufficient sample amount for indicated test(s)?	Yes	
#18 All samples received within hold time?	Yes	
#19 Subcontract of sample(s)?	N/A	
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	N/A	
#21 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	Yes	
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	N/A	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: TH

PH Device/Lot#: 10BDH4651

Checklist completed by: Tanya Torres — Date: 03/10/2016

Checklist reviewed by: Gale Denman — Date: 03/10/2016

Analytical Report 528071

for

SKG Engineering

Project Manager: Stephanie Cheatheam

San Angelo State Supported Living Center

1st Quarter

14-APR-16

Collected By: Client

XENCO LABORATORIES

4147 Greenbriar Dr.
Stafford, TX 77477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-15-19), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534-15-1)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)

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14-APR-16

Project Manager: **Stephanie Cheatheam**
SKG Engineering
706 South Abe Street
San Angelo, TX 76903

Reference: XENCO Report No(s): **528071**
San Angelo State Supported Living Center
Project Address:

Stephanie Cheatheam:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 528071. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 528071 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Monica Tobar

Monica Tobar
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analysis Summary 528071

SKG Engineering, San Angelo, TX

Project Name: San Angelo State Supported Living Center

Project Id:

Contact: Stephanie Cheatheam

Project Location:

Date Received in Lab: Thu Apr-07-16 09:25 am

Report Date: 14-APR-16

Project Manager: Gale Denman

Analysis Requested	*Lab Id:*	528071-001		528071-002		528071-003		528071-004		528071-005		528071-006	
	Field Id:	16-0698 #21 Bldg 519		16-0699 #22 Bldg 533		16-0700 #23 Bldg 546		16-0701 #24 Bldg 547		16-0702 #25 Bldg 553		16-0703 #26 Bldg 577	
	Depth:												
	Matrix:	LIQUID		LIQUID		LIQUID		LIQUID		LIQUID		LIQUID	
	Sampled:	Apr-06-16 10:34		Apr-06-16 10:51		Apr-06-16 10:39		Apr-06-16 10:28		Apr-06-16 11:09		Apr-06-16 10:21	
Metals by EPA 200.8	*Extracted:*	Apr-11-16 10:45		Apr-11-16 10:45		Apr-11-16 10:45		Apr-11-16 10:45		Apr-11-16 10:45		Apr-11-16 10:45	
	Analyzed:	Apr-12-16 01:19		Apr-12-16 02:02		Apr-12-16 02:09		Apr-12-16 02:16		Apr-12-16 02:23		Apr-12-16 02:30	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Copper		0.0352	0.00400	0.124	0.00400	0.228	0.00400	0.168	0.00400	0.263	0.00400	0.0286	0.00400
Lead		BRL	0.00200	0.00331	0.00200	0.00203	0.00200	0.00237	0.00200	BRL	0.00200	BRL	0.00200

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.
Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Monica Tobar
Project Manager

Final 1.000

Certificate of Analysis Summary 528071

SKG Engineering, San Angelo, TX

Project Name: San Angelo State Supported Living Center

Project Id:

Contact: Stephanie Cheatheam

Project Location:

Date Received in Lab: Thu Apr-07-16 09:25 am

Report Date: 14-APR-16

Project Manager: Gale Denman

Analysis Requested	*Lab Id:*	528071-007		528071-008		528071-009		528071-010		528071-011		528071-012	
	Field Id:	16-0704 #27 Bldg 614		16-0705 #28 Bldg 724		16-0706 #29 Bldg 735		16-0707 #30 Bldg 740		16-0708 #31 Bldg 753		16-0709 R1 Bldg 512	
	Depth:												
	Matrix:	LIQUID		LIQUID		LIQUID		LIQUID		LIQUID		LIQUID	
	Sampled:	Apr-06-16 11:21		Apr-06-16 11:04		Apr-06-16 10:58		Apr-06-16 11:49		Apr-06-16 11:31		Apr-06-16 11:13	
Metals by EPA 200.8	*Extracted:*	Apr-11-16 10:45		Apr-11-16 10:45		Apr-11-16 10:45		Apr-11-16 10:45		Apr-11-16 10:45		Apr-11-16 10:45	
	Analyzed:	Apr-12-16 02:37		Apr-12-16 02:44		Apr-12-16 02:52		Apr-12-16 02:59		Apr-12-16 03:06		Apr-12-16 03:34	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Copper		0.0715	0.00400	0.0693	0.00400	0.335	0.00400	0.295	0.00400	0.184	0.00400	0.432	0.00400
Lead		0.00290	0.00200	BRL	0.00200	0.00206	0.00200	0.00218	0.00200	BRL	0.00200	0.0251	0.00200

2.18

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Monica Tobar

Monica Tobar
Project Manager

Certificate of Analysis Summary 528071

SKG Engineering, San Angelo, TX

Project Name: San Angelo State Supported Living Center

Project Id:

Contact: Stephanie Cheatheam

Project Location:

Date Received in Lab: Thu Apr-07-16 09:25 am

Report Date: 14-APR-16

Project Manager: Gale Denman

Analysis Requested	*Lab Id:*	528071-013					
	Field Id:	16-0710 R2 Bldg 515					
	Depth:						
	Matrix:	LIQUID					
	Sampled:	Apr-06-16 10:44					
Metals by EPA 200.8	*Extracted:*	Apr-11-16 10:45					
	Analyzed:	Apr-12-16 03:41					
	Units/RL:	mg/L RL					
Copper		0.0997 0.00400					
Lead		0.0108 0.00200					

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Monica Tobar
Project Manager

Final 1.000

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

BS / BSD Recoveries

Project Name: San Angelo State Supported Living Center

Work Order #: 528071, 528071 **Project ID:**

Analyst: BHRE **Date Prepared:** 04/11/2016 **Date Analyzed:** 04/12/2016

Lab Batch ID: 992244 **Sample:** 707539-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Metals by EPA 200.8 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Copper	<0.00400	0.100	0.0980	98	0.100	0.101	101	3	85-115	20	
Lead	<0.00200	0.100	0.104	104	0.100	0.108	108	4	85-115	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS Recoveries

Project Name: San Angelo State Supported Living Cent

Work Order #: 528071

Lab Batch #: 992244

Project ID:

Date Analyzed: 04/12/2016

Date Prepared: 04/11/2016

Analyst: BHRE

QC- Sample ID: 528071-011 S

Batch #: 1

Matrix: Liquid

Reporting Units: mg/L

Metals by EPA 200.8	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Copper	0.184	0.100	0.283	99	70-130	
Lead	<0.00200	0.100	0.103	103	70-130	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

Form 3 - MS / MSD Recoveries

Project Name: San Angelo State Supported Living Center

Work Order # : 528071

Lab Batch ID: 992244

Date Analyzed: 04/12/2016

Reporting Units: mg/L

QC- Sample ID: 528071-001 S

Date Prepared: 04/11/2016

Project ID:

Batch #: 1 **Matrix:** Liquid

Analyst: BHRE

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Metals by EPA 200.8 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Copper	0.0352	0.100	0.132	97	0.100	0.132	97	0	70-130	20	
Lead	<0.00200	0.100	0.107	107	0.100	0.106	106	1	70-130	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Final 1.000

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706 SOUTH ABE STREET
SAN ANGELO, TEXAS 76903
PHONE: 325.656.1288
FAX: 325.657.8189

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Project No.

Client / Project: San Angelo State Supported Living Center

Field Sample No./ Identification	Date/Time Sampled	Grab	Comp.	No. of Sample Containers	Sample Type (Liquid, Sludge, etc.)	Preservative	Analysis Requested
16-0698 #21 Bldg 519	04/06/16 10:34AM	√		1	Liquid	HNO3	Lead, Copper
16-0699 #22 Bldg 533	4-6-16 10:57AM	√		1	Liquid	HNO3	Lead, Copper
16-0700 #23 Bldg 546	4-6-16 10:39AM	√		1	Liquid	HNO3	Lead, Copper
16-0701 #24 Bldg 547	4-6-16 10:25AM	√		1	Liquid	HNO3	Lead, Copper
16-0702 #25 Bldg 553	4-6-16 11:09AM	√		1	Liquid	HNO3	Lead, Copper
16-0703 #26 Bldg 577	4-6-16 10:21AM	√		1	Liquid	HNO3	Lead, Copper
16-0704 #27 Bldg 614	4-6-16 11:21AM	√		1	Liquid	HNO3	Lead, Copper
16-0705 #28 Bldg 724	4-6-16 11:04AM	√		1	Liquid	HNO3	Lead, Copper
16-0706 #29 Bldg 735	4-6-16 10:55AM	√		1	Liquid	HNO3	Lead, Copper
16-0707 #30 Bldg 740	4-6-16 11:44AM	√		1	Liquid	HNO3	Lead, Copper

Samplers: (Signature)	Relinquished by:	Date:	Received by:	Date:
Eric S. Thibodeaux	Eric S. Thibodeaux (Signature)	04-06-16 Time: 1:42pm	Mandi Blake (Signature)	04/06/16 Time: 1:42pm
Affiliation	Relinquished by: Mandi Blake (Signature)	Date: 04/06/16 Time: 1:42pm	Received by: LSO (Signature)	Date: Time:
SASSLC	Relinquished by: LSO (Signature)	Date: Time:	Received by: (Signature)	Date: 4-7-16 Time: 9:25

Remarks:

Data Results To:
1. lab@skge.com
2. mandi@skge.com

Date Results Needed:

Requested TAT:

Temp: 22 ID:HOU-025
C/F:+0.2
Corrected Temp: 24

Final 1.000

SKG ENGINEERING, LLC
SURVEYING • ENVIRONMENTAL • LAB/CMT
706 SOUTH ABE STREET
SAN ANGELO, TEXAS 76903
PHONE: 325.655.1288
FAX: 325.657.8169

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Project No.

Client / Project: San Angelo State Supported Living Center

Field Sample No./ Identification	Date/Time Sampled	Grab	Comp.	No. of Sample Containers	Sample Type (Liquid, Sludge, etc.)	Preservative	Analysis Requested
16-0708 #31 Bldg 753	4-6-16 11:31AM	√		1	Liquid	HNO3	Lead, Copper
16-0709 R1 Bldg 512	4-6-16 11:13AM	√		1	Liquid	HNO3	Lead, Copper
16-0710 R2 Bldg 515	4-6-16 10:44AM	√		1	Liquid	HNO3	Lead, Copper

Samplers: (Signature)	Relinquished by:	Date:	Received by:	Date:
Eric S. Thibodeaux	Eric S. Thibodeaux (Signature)	4-6-16 Time: 1:45pm	Mandi Cole (Signature)	04/06/16 Time: 1:45pm
Affiliation	Relinquished by: Mandi Cole (Signature)	Date: 04/06/16 Time: 1:45pm	Received by: LSO (Signature)	Date: Time:
SASSLC	Relinquished by: LSO (Signature)	Date: Time:	Received by: Carrie (Signature)	Date: 4-7-16 Time: 9:25

Remarks:

Data Results To:
1. lab@skge.com
2. mandi@skge.com

Date Results Needed:

Requested TAT:

Esib

LSO
It's all in the delivery.

Airbill No. ZT604208

Lone Star Overnight
1-800-800-8984
www.lso.com

SHIP TO:
XENCO LABORATORIES
XENCO LABORATORIES
4143 GREENBRIAR DRIVE
STAFFORD, TX 77477
2812404200

From:
MANDI BRAKE
SKG ENGINEERING
708 SOUTH ABE STREET
SAN ANGELO, TX 76903
3256551288

W HBY

LSO GROUND
END OF BUSINESS DAY DELIVERY

PRINT DATE: 4/6/2016
QUICKCODE: XENCO-STAFFORD WEIGHT: 30.00LBS

CUSTODY SEAL

SKG, LLC
325-655-1288

DATE 4.6.16
SIGNATURE J. Garza

Fold on above line and place shipping label in pouch on package. Please be sure the barcodes and addresses can be read and scanned. Shipping Instructions

1. Fold this page along the horizontal line above.
2. Place this Airbill in the shipping label pouch on the package you are shipping. Please be sure the barcodes and addresses can be read and scanned.
3. To locate a drop box near you, click on **Find A Drop Box** from the home page main menu.
4. To schedule a pickup, click on **Request Pickup**.

WARNING: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your Lone Star Overnight account number.
This label is valid for use for 3 months from the date printed. Use of expired labels may result in delayed billing and / or additional research charges. LIMIT OF LIABILITY: We are not responsible for claims in excess of $100 for any reason unless you: 1) declare a greater value (not to exceed $25,000); 2) pay an additional fee; 3) and document your actual loss in a timely manner. We will not pay any claim in excess of the actual loss. We are not liable for any special or consequential damages. Additional limitations of liability are contained in our current Service Guide. If you ask us to deliver a package without obtaining a delivery signature, you release us of all liability for claims resulting from such service. NO DELIVERY SIGNATURE WILL BE OBTAINED FOR 8:30 AM DELIVERIES OR RESIDENTIAL DELIVERIES.

XENCO Laboratories
Prelogin/Nonconformance Report- Sample Log-In

Client: SKG Engineering

Date/ Time Received: 04/07/2016 09:25:00 AM

Work Order #: 528071

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : HOU-025

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1.8	
#2 *Shipping container in good condition?	Yes	
#3 *Samples received on ice?	Yes	
#4 *Custody Seal present on shipping container/ cooler?	Yes	
#5 *Custody Seals intact on shipping container/ cooler?	Yes	
#6 Custody Seals intact on sample bottles?	Yes	
#7 *Custody Seals Signed and dated?	Yes	
#8 *Chain of Custody present?	Yes	
#9 Sample instructions complete on Chain of Custody?	Yes	
#10 Any missing/extra samples?	No	
#11 Chain of Custody signed when relinquished/ received?	Yes	
#12 Chain of Custody agrees with sample label(s)?	Yes	
#13 Container label(s) legible and intact?	Yes	
#14 Sample matrix/ properties agree with Chain of Custody?	Yes	
#15 Samples in proper container/ bottle?	Yes	
#16 Samples properly preserved?	Yes	
#17 Sample container(s) intact?	Yes	
#18 Sufficient sample amount for indicated test(s)?	Yes	
#19 All samples received within hold time?	Yes	
#20 Subcontract of sample(s)?	No	
#21 VOC samples have zero headspace (less than 1/4 inch bubble)?	N/A	
#22 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	Yes	
#23 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	N/A	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: RKO

PH Device/Lot#: 221212

Checklist completed by: Ruriko Konuma Date: 04/07/2016

Checklist reviewed by: Gale Denman Date: 04/08/2016

Analytical Report 529888

for

SKG Engineering

Project Manager: Stephanie Cheatheam

Non specific SKG Project

16-MAY-16

Collected By: Client

4147 Greenbriar Dr.
Stafford, TX 77477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-15-19), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534-15-1)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)

16-MAY-16

Project Manager: **Stephanie Cheatheam**
SKG Engineering
706 South Abe Street
San Angelo, TX 76903

Reference: XENCO Report No(s): **529888**
Non specific SKG Project
Project Address: San Angelo State Assisted Living Center

Stephanie Cheatheam:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 529888. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 529888 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Gale Denman

Gale Denman
Project Manager

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Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analysis Summary 529888

SKG Engineering, San Angelo, TX

Project Name: Non specific SKG Project

Project Id:

Contact: Stephanie Cheatheam

Project Location: San Angelo State Assisted Living Center

Date Received in Lab: Wed May-11-16 09:00 am

Report Date: 16-MAY-16

Project Manager: Gale Denman

Analysis Requested		102		102 5min		223		223 5min		B111 Angle step	
	Lab Id:	529888-001		529888-002		529888-003		529888-004		529888-005	
	Field Id:	16-0873 #33 Bldg 512		16-0874 #34 Bldg 512		16-0875 #35 Bldg 512		16-0876 #36 Bldg 512		16-0877 #12 Bldg 512	
	Depth:										
	Matrix:	WATER		WATER		WATER		WATER		WATER	
	Sampled:	May-09-16 09:53		May-09-16 10:03		May-09-16 10:07		May-09-16 10:12		May-09-16 09:44	
Metals by EPA 200.8	***Extracted:***	May-13-16 10:05		May-13-16 10:05		May-13-16 10:05		May-13-16 10:05		May-13-16 10:05	
	Analyzed:	May-14-16 16:27		May-14-16 16:34		May-14-16 16:41		May-14-16 16:49		May-14-16 16:56	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Copper		0.452	0.00400	0.0635	0.00400	0.794	0.00400	0.0242	0.00400	0.0277	0.00400
Lead		0.0180	0.00200	0.00323	0.00200	0.0667	0.00200	BRL	0.00200	BRL	0.00200

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.
Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Gale Denman

Gale Denman
Project Manager

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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4147 Greenbriar Dr, Stafford, TX 77477	(281) 240-4200	(281) 240-4280
9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
1211 W Florida Ave, Midland, TX 79701	(432) 563-1800	(432) 563-1713
2525 W. Huntington Dr. - Suite 102, Tempe AZ 85282	(602) 437-0330	

BS / BSD Recoveries

Project Name: Non specific SKG Project

Work Order #: 529888

Project ID:

Analyst: BHRE

Date Prepared: 05/13/2016

Date Analyzed: 05/14/2016

Lab Batch ID: 994432 **Sample:** 708831-1-BKS **Batch #:** 1

Matrix: Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Metals by EPA 200.8 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Copper	<0.00400	0.100	0.0936	94	0.100	0.0946	95	1	85-115	20	
Lead	<0.00200	0.100	0.106	106	0.100	0.108	108	2	85-115	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS Recoveries

Project Name: Non specific SKG Project

Work Order #: 529888

Lab Batch #: 994432

Date Analyzed: 05/14/2016

QC- Sample ID: 529920-001 S

Reporting Units: mg/L

Project ID:

Date Prepared: 05/13/2016

Analyst: BHRE

Batch #: 1

Matrix: Drinking Water

Metals by EPA 200.8	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Copper	<0.00400	0.100	0.102	102	70-130	
Lead	<0.00200	0.100	0.107	107	70-130	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

Form 3 - MS / MSD Recoveries

Project Name: Non specific SKG Project

Work Order # : 529888

Lab Batch ID: 994432

Date Analyzed: 05/14/2016

Reporting Units: mg/L

QC- Sample ID: 529767-001 S

Date Prepared: 05/13/2016

Project ID:

Batch #: 1 **Matrix:** Ground Water

Analyst: BHRE

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Metals by EPA 200.8 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Copper	<0.00400	0.100	0.0965	97	0.100	0.0968	97	0	70-130	20	
Lead	<0.00200	0.100	0.107	107	0.100	0.108	108	1	70-130	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Final 1.000

SKG ENGINEERING, LLC
SURVEYING • ENVIRONMENTAL • LAB/CMT
706 SOUTH ABE STREET
SAN ANGELO, TEXAS 76903
PHONE: 325.655.1288
FAX: 325.657.6189

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Project No.

Client / Project: San Angelo State Supported Living Center 529888

Field Sample No./ Identification	Date/Time Sampled	Grab	Comp.	No. of Sample Containers	Sample Type (Liquid, Sludge, etc.)	Preservative	Analysis Requested
16-0873 #33 bldg 512	09may2016 0953am	✓		1	Liquid	HNO3	Lead, Copper
16-0874 #34 bldg 512	09may2016 1003am	✓		1	Liquid	HNO3	Lead, Copper
16-0875 #35 bldg 512	09may2016 1007am	✓		1	Liquid	HNO3	Lead, copper
16-0876 #36 bldg 512	09may2016 1012am	✓		1	Liquid	HNO3	Lead, copper
16-0877 #12 bldg 512	09may2016 0944am	✓		1	Liquid	HNO3	Lead, copper

Samplers: (Signature)	Relinquished by: Eric S. Thibodeaux	Date: 09may2016	Received by:	Date: 05/09/16
Eric S. Thibodeaux	(Signature) Eric S. Thibodeaux	Time: 11:30am	(Signature)	Time: 11:30am
Affiliation	Relinquished by:	Date: 05/09/16	Received by: LSO	Date:
	(Signature)	Time: 11:30am	(Signature)	Time:
SASSLC	Relinquished by: LSO	Date:	Received by:	Date: 5/11/16
	(Signature)	Time:	(Signature)	Time: 9:00

Remarks:

Data Results To:
1. lab@skge.com
2. mandi@skge.co

Temp: 0.2 IR ID:HOU-025
C/F:+0.2
Corrected Temp: 0.4

Date Results Needed:

Requested TAT:

LSO
It's all in the delivery.

Airbill No. ZT723947

Lone Star Overnight
1-800-800-8984
www.lso.com

SHIP TO:
XENCO LABORATORIES
XENCO LABORATORIES
4143 GREENBRIAR DRIVE
STAFFORD, TX 77477
2812404200

From:
MANDI BRAKE
SKG ENGINEERING
706 SOUTH ABE STREET
SAN ANGELO, TX 78903
3256551288

W HBY

LSO GROUND
END OF BUSINESS DAY DELIVERY

PRINT DATE: 5/10/2016
QUICKCODE: XENCO-STAFFORD
REF 1: 1D00V.0000

WEIGHT: 30.00LBS

CUSTODY SEAL
DATE 5.10.16
SIGNATURE D. Garza

SKG, LLC
325-655-1288

XENCO Laboratories
Prelogin/Nonconformance Report- Sample Log-In

Client: SKG Engineering

Date/ Time Received: 05/11/2016 09:00:00 AM

Work Order #: 529888

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : HOU-025

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?		
#2 *Shipping container in good condition?	Yes	
#3 *Samples received on ice?	Yes	
#4 *Custody Seal present on shipping container/ cooler?	Yes	
#5 *Custody Seals intact on shipping container/ cooler?	Yes	
#6 Custody Seals intact on sample bottles?	Yes	
#7 *Custody Seals Signed and dated?	Yes	
#8 *Chain of Custody present?	Yes	
#9 Sample instructions complete on Chain of Custody?	Yes	
#10 Any missing/extra samples?	No	
#11 Chain of Custody signed when relinquished/ received?	Yes	
#12 Chain of Custody agrees with sample label(s)?	Yes	
#13 Container label(s) legible and intact?	Yes	
#14 Sample matrix/ properties agree with Chain of Custody?	Yes	
#15 Samples in proper container/ bottle?	Yes	
#16 Samples properly preserved?	Yes	
#17 Sample container(s) intact?	Yes	
#18 Sufficient sample amount for indicated test(s)?	Yes	
#19 All samples received within hold time?	Yes	
#20 Subcontract of sample(s)?	No	
#21 VOC samples have zero headspace (less than 1/4 inch bubble)?	N/A	
#22 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	Yes	
#23 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	N/A	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: RKO

PH Device/Lot#: 10DBH4951

Checklist completed by: Ruriko Konuma Date: 05/11/2016

Checklist reviewed by: Gale Denman Date: 05/12/2016

Final 1.000

Analytical Report 530238

for

SKG Engineering

Project Manager: Stephanie Cheatham

San Angelo State Supported Living Center

23-MAY-16

Collected By: Client

4147 Greenbriar Dr.
Stafford, TX 77477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-15-19), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534-15-1)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)

23-MAY-16

Project Manager: **Stephanie Cheatheam**
SKG Engineering
706 South Abe Street
San Angelo, TX 76903

Reference: XENCO Report No(s): **530238**
San Angelo State Supported Living Center
Project Address: San Angelo State Supported Living Center

Stephanie Cheatheam:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 530238. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 530238 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Gale Denman

Gale Denman
Project Manager

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Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analysis Summary 530238

SKG Engineering, San Angelo, TX

Project Name: San Angelo State Supported Living Center

Project Id:

Contact: Stephanie Cheatheam

Project Location: San Angelo State Supported Living Cente

Date Received in Lab: Tue May-17-16 11:00 am

Report Date: 23-MAY-16

Project Manager: Gale Denman

Analysis Requested	*Lab Id:*	530238-001		530238-002		530238-003		530238-004		530238-005		530238-006	
	Field Id:	16-0954 #01 Bldg 501		16-0955 #02 Bldg 501		16-0956 #03 Bldg 502		16-0957 #04 Bldg 502		16-0958 #05 Bldg 503		16-0959 #06 Bldg 503	
	Depth:	RM 134		RM 138		RM 135		RM 154		RM 110		RM 209	
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled:	May-16-16 10:38		May-16-16 10:42		May-16-16 11:09		May-16-16 11:11		May-16-16 10:11		May-16-16 10:14	
Metals by EPA 200.8	*Extracted:*	May-18-16 10:35		May-18-16 10:35		May-18-16 10:35		May-18-16 10:35		May-18-16 10:35		May-18-16 10:35	
	Analyzed:	May-21-16 07:43		May-21-16 08:27		May-21-16 08:34		May-21-16 08:41		May-21-16 08:49		May-21-16 08:56	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Copper		0.304	0.00400	0.548	0.00400	0.324	0.00400	0.0373	0.00400	0.156	0.00400	0.218	0.00400
Lead		0.00245	0.00200	0.184	0.00200	BRL	0.00200	BRL	0.00200	0.00548	0.00200	0.00563	0.00200

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.
Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Gale Denman
Project Manager

Certificate of Analysis Summary 530238

SKG Engineering, San Angelo, TX

Project Name: San Angelo State Supported Living Center

Project Id:
Contact: Stephanie Cheatheam
Project Location: San Angelo State Supported Living Cente

Date Received in Lab: Tue May-17-16 11:00 am
Report Date: 23-MAY-16
Project Manager: Gale Denman

Analysis Requested	*Lab Id:*	530238-007		530238-008		530238-009		530238-010		530238-011		530238-012	
	Field Id:	16-0960 #07 Bldg 504		16-0961 #08 Bldg 504		16-0962 #09 Bldg 505		16-0963 #10 Bldg 505		16-0964 #11 Bldg 508		16-0965 #12 Bldg 508	
	Depth:	RM 140		RM 202		RM 104		RM 240		RM 1555		RM 263	
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled:	May-16-16 10:34		May-16-16 10:30		May-16-16 10:20		May-16-16 10:23		May-16-16 10:56		May-16-16 10:46	
Metals by EPA 200.8	*Extracted:*	May-18-16 10:35		May-18-16 10:35		May-18-16 10:35		May-18-16 10:35		May-18-16 10:35		May-18-16 10:35	
	Analyzed:	May-21-16 09:03		May-21-16 09:11		May-21-16 09:18		May-21-16 09:25		May-21-16 09:32		May-21-16 10:02	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Copper		0.149	0.00400	0.116	0.00400	0.0795	0.00400	0.555	0.00400	0.398	0.00400	0.164	0.00400
Lead		BRL	0.00200	BRL	0.00200	BRL	0.00200	0.0969	0.00200	BRL	0.00200	0.00277	0.00200

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Gale Denman
Project Manager

Final 1.000

Certificate of Analysis Summary 530238

SKG Engineering, San Angelo, TX

Project Name: San Angelo State Supported Living Center

Project Id:

Contact: Stephanie Cheatheam

Project Location: San Angelo State Supported Living Cente

Date Received in Lab: Tue May-17-16 11:00 am

Report Date: 23-MAY-16

Project Manager: Gale Denman

Analysis Requested	*Lab Id:*	530238-013		530238-014		530238-015		530238-016		530238-017		530238-018	
	Field Id:	16-0966 #13 Bldg 509		16-0967 #14 Bldg 509		16-0968 #15 Bldg 510		16-0969 #16 Bldg 510		16-0970 #17 Bldg 511		16-0971 #18 Bldg 511	
	Depth:	RM 155		RM 255		RM 140		RM 240		RM 164		RM 256	
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled:	May-16-16 09:58		May-16-16 10:06		May-16-16 11:02		May-16-16 11:04		May-16-16 10:15		May-16-16 10:09	
Metals by EPA 200.8	*Extracted:*	May-18-16 10:35		May-18-16 10:35		May-18-16 10:35		May-18-16 10:35		May-18-16 10:35		May-18-16 10:35	
	Analyzed:	May-21-16 10:09		May-21-16 10:17		May-21-16 10:24		May-21-16 10:31		May-21-16 10:39		May-21-16 10:46	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Copper		0.592	0.00400	0.0826	0.00400	0.273	0.00400	0.190	0.00400	0.225	0.00400	0.307	0.00400
Lead		0.112	0.00200	BRL	0.00200	BRL	0.00200	BRL	0.00200	0.0262	0.00200	0.00407	0.00200

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Gale Denman
Project Manager

Certificate of Analysis Summary 530238

SKG Engineering, San Angelo, TX

Project Name: San Angelo State Supported Living Center

Project Id:

Contact: Stephanie Cheatheam

Project Location: San Angelo State Supported Living Cente

Date Received in Lab: Tue May-17-16 11:00 am

Report Date: 23-MAY-16

Project Manager: Gale Denman

Analysis Requested	*Lab Id:*	530238-019		530238-020		530238-021		530238-022		530238-023		530238-024	
	Field Id:	16-0972 #19 Bldg 512		16-0973 #20 Bldg 512		16-0974 #21 Bldg 516		16-0975 #22 Bldg 516		16-0976 #24 Bldg 516		16-0977 #25 Bldg 516	
	Depth:	RM 210		RM B101		RM 1102		RM 1117		RM 1304		RM 1326	
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled:	May-16-16 10:30		May-16-16 10:22		May-16-16 10:42		May-16-16 10:42		May-16-16 10:51		May-16-16 11:28	
Metals by EPA 200.8	*Extracted:*	May-18-16 10:35		May-18-16 10:35		May-19-16 11:40		May-19-16 11:40		May-19-16 11:40		May-19-16 11:40	
	Analyzed:	May-21-16 10:53		May-21-16 11:00		May-21-16 13:22		May-21-16 13:29		May-21-16 13:36		May-21-16 13:44	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Copper		0.798	0.00400	0.392	0.00400	0.405	0.00400	0.183	0.00400	0.326	0.00400	0.262	0.00400
Lead		0.102	0.00200	0.0193	0.00200	0.0405	0.00200	0.0333	0.00200	0.0198	0.00200	0.0227	0.00200

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Gale Denman

Gale Denman
Project Manager

Certificate of Analysis Summary 530238

SKG Engineering, San Angelo, TX

Project Name: San Angelo State Supported Living Center

Project Id:

Contact: Stephanie Cheatheam

Project Location: San Angelo State Supported Living Cente

Date Received in Lab: Tue May-17-16 11:00 am

Report Date: 23-MAY-16

Project Manager: Gale Denman

Analysis Requested	*Lab Id:*	530238-025		530238-026		530238-027		530238-028		530238-029		
	Field Id:	16-0978 #26 Bldg 516		16-0979 #27 Bldg 516		16-0980 #28 Bldg 516		16-0981 #29 Bldg 516		16-0982 #30 Bldg 516		
	Depth:	RM 2027		RM 2024		RM 2204		RM 2228		RM 2410		
	Matrix:	WATER		WATER		WATER		WATER		WATER		
	Sampled:	May-16-16 11:49		May-16-16 11:39		May-16-16 11:34		May-16-16 11:33		May-16-16 11:39		
Metals by EPA 200.8	*Extracted:*	May-19-16 11:40		May-19-16 11:40		May-19-16 11:40		May-19-16 11:40		May-19-16 11:40		
	Analyzed:	May-21-16 13:51		May-21-16 13:58		May-21-16 14:06		May-21-16 14:13		May-21-16 14:35		
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	
Copper		0.921	0.00400	0.318	0.00400	1.17	0.00400	1.03	0.00400	0.0556	0.00400	
Lead		0.183	0.00200	0.0206	0.00200	0.602	0.00200	0.0806	0.00200	0.00370	0.00200	

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Gale Denman
Project Manager

Final 1.000

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

BS / BSD Recoveries

Project Name: San Angelo State Supported Living Center

Work Order #: 530238 **Project ID:**

Analyst: BHRE **Date Prepared:** 05/18/2016 **Date Analyzed:** 05/21/2016

Lab Batch ID: 994834 **Sample:** 708983-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Metals by EPA 200.8 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Copper	<0.00400	0.100	0.105	105	0.100	0.101	101	4	85-115	20	
Lead	<0.00200	0.100	0.109	109	0.100	0.109	109	0	85-115	20	

Analyst: BHRE **Date Prepared:** 05/19/2016 **Date Analyzed:** 05/21/2016

Lab Batch ID: 994827 **Sample:** 709047-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Metals by EPA 200.8 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Copper	<0.00400	0.100	0.104	104	0.100	0.106	106	2	85-115	20	
Lead	<0.00200	0.100	0.112	112	0.100	0.114	114	2	85-115	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS Recoveries

Project Name: San Angelo State Supported Living Cent

Work Order #: 530238

Lab Batch #: 994827 **Project ID:**

Date Analyzed: 05/21/2016 **Date Prepared:** 05/19/2016 **Analyst:** BHRE

QC- Sample ID: 530238-029 S **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Metals by EPA 200.8	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Copper	0.0556	0.100	0.145	89	70-130	
Lead	0.00370	0.100	0.114	110	70-130	

Lab Batch #: 994834

Date Analyzed: 05/21/2016 **Date Prepared:** 05/18/2016 **Analyst:** BHRE

QC- Sample ID: 530238-011 S **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Metals by EPA 200.8	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Copper	0.398	0.100	0.494	96	70-130	
Lead	<0.00200	0.100	0.110	110	70-130	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

Form 3 - MS / MSD Recoveries

Project Name: San Angelo State Supported Living Center

Work Order # : 530238 **Project ID:**

Lab Batch ID: 994827 **QC- Sample ID:** 530311-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 05/21/2016 **Date Prepared:** 05/19/2016 **Analyst:** BHRE

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Metals by EPA 200.8 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Copper	<0.00400	0.100	0.104	104	0.100	0.104	104	0	70-130	20	
Lead	<0.00200	0.100	0.115	115	0.100	0.111	111	4	70-130	20	

Lab Batch ID: 994834 **QC- Sample ID:** 530238-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 05/21/2016 **Date Prepared:** 05/18/2016 **Analyst:** BHRE

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Metals by EPA 200.8 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Copper	0.304	0.100	0.417	113	0.100	0.404	100	3	70-130	20	
Lead	0.00245	0.100	0.113	111	0.100	0.113	111	0	70-130	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

SKG ENGINEERING, LLC
SURVEYING • ENVIRONMENTAL • LAB/CMT
706 SOUTH ABE STREET
SAN ANGELO, TEXAS 76903
PHONE: 325.655.1268
FAX: 325.657.8189

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Project No.

Client / Project: San Angelo State Supported Living Center 530238

Field Sample No./ Identification	Date/Time Sampled	Grab	Comp.	No. of Sample Containers	Sample Type (Liquid, Sludge, etc.)	Preservative	Analysis Requested
16-0954 #01 bldg 501	5-16-16 10:33am	√		1	Liquid	HNO3	Lead, Copper
16-0955 # 02 bldg 501	5-16-16 10:42am	√		1	Liquid	HNO3	Lead, Copper
16-0956 # 03 bldg 502	5-16-16 11:09am	√		1	Liquid	HNO3	Lead, Copper
16-0957 # 04 bldg 502	5-16-16 11:11am	√		1	Liquid	HNO3	Lead, Copper
16-0958 # 05 bldg 503	5-16-16 10:11am	√		1	Liquid	HNO3	Lead, Copper
16-0959 # 06 bldg 503	5-16-16 10:14am	√		1	Liquid	HNO3	Lead, Copper
16-0960 # 07 bldg 504	5-16-16 10:34am	√		1	Liquid	HNO3	Lead, Copper
16-0961 # 08 bldg 504	5-16-16 10:30am	√		1	Liquid	HNO3	Lead, Copper
16-0962 # 09 bldg 505	5-16-16 10:20am	√		1	Liquid	HNO3	Lead, Copper
16-0963 # 10 bldg 505	5-16-16 10:23am	√		1	Liquid	HNO3	Lead, Copper

Samplers: (Signature)	Relinquished by:	Date:	Received by:	Date:
Eric S. Thibodeaux	Eric S. Thibodeaux (Signature)	5-16-16 Time: 1:45pm	Mandi (Signature)	05/16/16 Time: 1:45pm
Affiliation	Mandi (Signature)	05/16/16 Time: 1:45pm	LSO (Signature)	Time:
SASSLC	LSO (Signature)	Time:	(Signature)	5-17-16 Time: 11:00

Remarks:

Data Results To:
1. lab@skge.com
2. mandi@skge.com

Date Results Needed:

Requested TAT:

SKG ENGINEERING, LLC
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SAN ANGELO, TEXAS 76903
PHONE: 325.655.1289
FAX: 325.657.8189

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Project No.

Client / Project: San Angelo State Supported Living Center 530238

Field Sample No./ Identification	Date/Time Sampled	Grab	Comp.	No. of Sample Containers	Sample Type (Liquid, Sludge, etc.)	Preservative	Analysis Requested
16-0964 #11 bldg 508	5-16-16 10:51am	√		1	Liquid	HNO3	Lead, Copper
16-0965 #12 bldg 508	5-16-16 10:46am	√		1	Liquid	HNO3	Lead, Copper
16-0966 #13 bldg 509	5-16-16 09:58am	√		1	Liquid	HNO3	Lead, Copper
16-0967 #14 bldg 509	5-16-16 10:06am	√		1	Liquid	HNO3	Lead, Copper
16-0968 #15 bldg 510	5-16-16 11:02am	√		1	Liquid	HNO3	Lead, Copper
16-0969 #16 bldg 510	5-16-16 11:04am	√		1	Liquid	HNO3	Lead, Copper
16-0970 #17 bldg 511	5-16-16 10:15am	√		1	Liquid	HNO3	Lead, Copper
16-0971 #18 bldg 511	5-16-16 10:07am	√		1	Liquid	HNO3	Lead, Copper
16-0972 #19 bldg 512	5-16-16 10:30am	√		1	Liquid	HNO3	Lead, Copper
16-0973 #20 bldg 512	5-16-16 10:22am	√		1	Liquid	HNO3	Lead, Copper

Samplers: (Signature)	Relinquished by: (Signature)	Date: / Time:	Received by: (Signature)	Date: / Time:
Eric S. Thibodeaux	Eric S. Thibodeaux	5-16-16 1:45pm	Mandi Baker	05/16/16 1:45PM
Affiliation	Relinquished by: Mandi Baker	05/16/16 1:45pm	Received by: LSO	
SASSLC	Relinquished by: LSO		Received by: (Signature)	5-17-16 11:00

Remarks:

Data Results To:
1. lab@skge.com
2. mandi@skge.com

Date Results Needed:

Requested TAT:

SKG ENGINEERING, LLC
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706 SOUTH ABE STREET
SAN ANGELO, TEXAS 76903
PHONE: 325.656.1288
FAX: 325.657.8189

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Project No.

Client / Project: San Angelo State Supported Living Center

530238

Field Sample No./ Identification	Date/Time Sampled	Grab	Comp.	No. of Sample Containers	Sample Type (Liquid, Sludge, etc.)	Preservative	Analysis Requested
16-0974 #21 bldg 516	5-16-16 10:38am	√		1	Liquid	HNO3	Lead, Copper
16-0975 #22 bldg 516	5-16-16 10:42am	√		1	Liquid	HNO3	Lead, Copper
16-0976 #24 bldg 516	5-16-16 10:51am	√		1	Liquid	HNO3	Lead, Copper
16-0977 #25 bldg 516	5-16-16 11:28am	√		1	Liquid	HNO3	Lead, Copper
16-0978 #26 bldg 516	5-16-16 11:49am	√		1	Liquid	HNO3	Lead, Copper
16-0979 #27 bldg 516	5-16-16 11:39am	√		1	Liquid	HNO3	Lead, Copper
16-0980 #28 bldg 516	5-16-16 11:34am	√		1	Liquid	HNO3	Lead, Copper
16-0981 #29 bldg 516	5-16-16 11:33am	√		1	Liquid	HNO3	Lead, Copper
16-0982 #30 bldg 516	5-16-16 11:39am	√		1	Liquid	HNO3	Lead, Copper
		√		1	Liquid	HNO3	Lead, Copper

Samplers: (Signature)	Relinquished by: Eric S. Thibodeaux (Signature)	Date: 5-16-16 Time: 1:45pm	Received by: (Signature)	Date: 05/16/16 Time: 1:45pm
Eric S. Thibodeaux	Eric S. Thibodeaux		Mandi Stoke	
Affiliation	Relinquished by: (Signature) Mandi Stoke	Date: 05/16/16 Time: 1:45pm	Received by: (Signature) USO	Date: Time:
SASSLC	Relinquished by: (Signature) USO	Date: Time:	Received by: (Signature) [signature]	Date: 5-17-16 Time: 11:00

Remarks:

Data Results To:
1. lab@skge.com
2. mandi@skge.com

Date Results Needed:

Requested TAT:

LSO
It's all in the delivery.

Airbill No. ZT743971

Lone Star Overnight
1-800-800-8984
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STAFFORD, TX 77477
2812404200

From:
MANDI BRAKE
SKG ENGINEERING
706 SOUTH ABE STREET
SAN ANGELO, TX 76903
3256551288

W HBY

LSO GROUND
END OF BUSINESS DAY DELIVERY

PRINT DATE: 5/16/2016
QUICKCODE: XENCO-STAFFORD
REF 1: 1D00V.0000

WEIGHT: 30.00LBS

Fold on above line and place shipping label in pouch on package. Please be sure the barcodes and addresses can be read and scanned. Shipping Instructions

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XENCO Laboratories
Prelogin/Nonconformance Report- Sample Log-In

Client: SKG Engineering

Date/ Time Received: 05/17/2016 11:00:00 AM

Work Order #: 530238

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : HOU-025

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seal present on shipping container/ cooler?	Yes
#5 *Custody Seals intact on shipping container/ cooler?	Yes
#6 Custody Seals intact on sample bottles?	Yes
#7 *Custody Seals Signed and dated?	Yes
#8 *Chain of Custody present?	Yes
#9 Sample instructions complete on Chain of Custody?	Yes
#10 Any missing/extra samples?	No
#11 Chain of Custody signed when relinquished/ received?	Yes
#12 Chain of Custody agrees with sample label(s)?	Yes
#13 Container label(s) legible and intact?	Yes
#14 Sample matrix/ properties agree with Chain of Custody?	Yes
#15 Samples in proper container/ bottle?	Yes
#16 Samples properly preserved?	Yes
#17 Sample container(s) intact?	Yes
#18 Sufficient sample amount for indicated test(s)?	Yes
#19 All samples received within hold time?	Yes
#20 Subcontract of sample(s)?	No
#21 VOC samples have zero headspace (less than 1/4 inch bubble)?	N/A
#22 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	Yes
#23 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	N/A

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: RKO

PH Device/Lot#: 10DBH4951

Checklist completed by: Ruriko Konuma Date: 05/17/2016

Checklist reviewed by: Gale Denman Date: 05/17/2016

Final 1.000

Analytical Report 530313

for

SKG Engineering

Project Manager: Stephanie Cheatheam

San Angelo State Supported Living Center

26-MAY-16

Collected By: Client

4147 Greenbriar Dr.
Stafford, TX 77477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-15-19), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534-15-1)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)

26-MAY-16

Project Manager: **Stephanie Cheatheam**
SKG Engineering
706 South Abe Street
San Angelo, TX 76903

Reference: XENCO Report No(s): **530313**
San Angelo State Supported Living Center
Project Address: San Angelo State Supported Living Center

Stephanie Cheatheam:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 530313. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 530313 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Gale Denman

Gale Denman
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analysis Summary 530313

SKG Engineering, San Angelo, TX

Project Name: San Angelo State Supported Living Center

Project Id:

Contact: Stephanie Cheatham

Project Location: San Angelo State Supported Living Cente

Date Received in Lab: Wed May-18-16 10:40 am

Report Date: 26-MAY-16

Project Manager: Gale Denman

Analysis Requested															
	Lab Id:	530313-001		530313-002		530313-003		530313-004		530313-005		530313-006			
	Field Id:	16-0987 #01 Bldg 500		16-0988 #02 Bldg 501		16-0989 #03 Bldg 501		16-0990 #04 Bldg 503		16-0991 #05 Bldg 503		16-0992 #06 Bldg 504			
	Depth:	RM 110		RM 110		RM 238		RM 132		RM 206		RM 102			
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER			
	Sampled:	May-17-16 09:40		May-17-16 10:23		May-17-16 10:26		May-17-16 10:15		May-17-16 10:18		May-17-16 09:44			
Metals by EPA 200.8	***Extracted:***	May-21-16 09:30		May-21-16 09:30		May-21-16 09:30		May-21-16 09:30		May-21-16 09:30		May-21-16 09:30			
	Analyzed:	May-24-16 22:19		May-24-16 23:03		May-24-16 23:10		May-24-16 23:17		May-24-16 23:25		May-24-16 23:32			
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL		
Copper		0.466	0.00400	0.148	0.00400	0.291	0.00400	0.181	0.00400	0.146	0.00400	0.137	0.00400		
Lead		0.0125	0.00200	BRL	0.00200	BRL	0.00200	BRL	0.00200	0.00503	0.00200	BRL	0.00200		

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Version: 1.%

Gale Denman
Project Manager

Final 1.000

Certificate of Analysis Summary 530313

SKG Engineering, San Angelo, TX

Project Name: San Angelo State Supported Living Center

Project Id:
Contact: Stephanie Cheatheam
Project Location: San Angelo State Supported Living Cente

Date Received in Lab: Wed May-18-16 10:40 am
Report Date: 26-MAY-16
Project Manager: Gale Denman

Analysis Requested	*Lab Id:*	530313-007		530313-008		530313-009		530313-010		530313-011		530313-012	
	Field Id:	16-0993 #07 Bldg 504		16-0994 #08 Bldg 505		16-0995 #09 Bldg 505		16-0996 #10 Bldg 508		16-0997 #11 Bldg 508		16-0998 #12 Bldg 509	
	Depth:	Rm 107		Rm 107		Rm 207		Rm 157		Rm 225		Rm 107	
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled:	May-17-16 09:47		May-17-16 09:58		May-17-16 09:59		May-17-16 10:30		May-17-16 10:33		May-17-16 10:05	
Metals by EPA 200.8	*Extracted:*	May-21-16 09:30		May-21-16 09:30		May-21-16 09:30		May-21-16 09:30		May-21-16 09:30		May-21-16 09:30	
	Analyzed:	May-24-16 23:39		May-24-16 23:47		May-24-16 23:54		May-25-16 00:01		May-25-16 00:09		May-25-16 00:38	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Copper		0.230	0.00400	0.0428	0.00400	0.118	0.00400	0.196	0.00400	0.0950	0.00400	0.117	0.00400
Lead		BRL	0.00200	BRL	0.00200	BRL	0.00200	0.00302	0.00200	BRL	0.00200	BRL	0.00200

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Version: 1.%

Gale Denman
Project Manager

Certificate of Analysis Summary 530313

SKG Engineering, San Angelo, TX

Project Name: San Angelo State Supported Living Center

Project Id:
Contact: Stephanie Cheatheam
Project Location: San Angelo State Supported Living Cente

Date Received in Lab: Wed May-18-16 10:40 am
Report Date: 26-MAY-16
Project Manager: Gale Denman

Analysis Requested	*Lab Id:*	530313-013		530313-014		530313-015		530313-016		530313-017		530313-018	
	Field Id:	16-0999 #13 Bldg 509		16-1000 #14 Bldg 510		16-1001 #15 Bldg 510		16-1002 #16 Bldg 519		16-1003 #17 Bldg 511		16-1004 #18 Bldg 511	
	Depth:	RM 244		RM 158		RM 211		RM 131		RM 151		RM 224	
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled:	May-17-16 10:10		May-17-16 10:39		May-17-16 10:42		May-17-16 09:53		May-17-16 09:44		May-17-16 09:48	
Metals by EPA 200.8	*Extracted:*	May-21-16 09:30		May-21-16 09:30		May-21-16 09:30		May-21-16 09:30		May-21-16 09:30		May-21-16 09:30	
	Analyzed:	May-25-16 00:45		May-25-16 00:53		May-25-16 01:00		May-25-16 01:07		May-25-16 01:15		May-25-16 01:22	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Copper		0.139	0.00400	0.171	0.00400	0.115	0.00400	0.0478	0.00400	0.305	0.00400	0.363	0.00400
Lead		BRL	0.00200	0.00608	0.00200	0.00801	0.00200	0.00241	0.00200	0.0564	0.00200	0.0165	0.00200

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Certificate of Analysis Summary 530313

SKG Engineering, San Angelo, TX

Project Name: San Angelo State Supported Living Center

Project Id:

Contact: Stephanie Cheatheam

Project Location: San Angelo State Supported Living Cente

Date Received in Lab: Wed May-18-16 10:40 am

Report Date: 26-MAY-16

Project Manager: Gale Denman

Analysis Requested	*Lab Id:*	530313-019		530313-020		530313-021		530313-022		530313-023		530313-024	
	Field Id:	16-1005 #19 Bldg 514		16-1006 #20 Bldg 514		16-1007 #21 Bldg 515		16-1008 #22 Bldg 516		16-1009 #23 Bldg 516		16-1010 #24 Bldg 516	
	Depth:	RM 105		RM 123		RM 125		RM 1029		RM 1022		RM 1103	
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled:	May-17-16 09:55		May-17-16 10:04		May-17-16 10:04		May-17-16 10:10		May-17-16 10:13		May-17-16 10:16	
Metals by EPA 200.8	*Extracted:*	May-21-16 09:30		May-21-16 09:30		May-21-16 09:35		May-21-16 09:35		May-21-16 09:35		May-21-16 09:35	
	Analyzed:	May-25-16 01:29		May-25-16 01:37		May-26-16 00:24		May-26-16 01:07		May-26-16 01:15		May-26-16 01:22	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Copper		1.23	0.00400	0.217	0.00400	0.471	0.00400	0.480	0.00400	0.271	0.00400	0.515	0.00400
Lead		0.469	0.00200	0.00347	0.00200	0.122	0.00200	0.0936	0.00200	0.00468	0.00200	0.0184	0.00200

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Project Manager

Certificate of Analysis Summary 530313

SKG Engineering, San Angelo, TX

Project Name: San Angelo State Supported Living Center

Project Id:
Contact: Stephanie Cheatham
Project Location: San Angelo State Supported Living Cente

Date Received in Lab: Wed May-18-16 10:40 am
Report Date: 26-MAY-16
Project Manager: Gale Denman

Analysis Requested	*Lab Id:*	530313-025		530313-026		530313-027		530313-028		530313-029		530313-030	
	Field Id:	16-1011 #25 Bldg 516		16-1012 #26 Bldg 516		16-1013 #27 Bldg 516		16-1014 #28 Bldg 516		16-1015 #29 Bldg 516		16-1016 #30 Bldg 516	
	Depth:	RM 1124		RM 1221		RM 1309		RM 1328		RM 1415		RM 2025	
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled:	May-17-16 10:32		May-17-16 10:35		May-17-16 10:27		May-17-16 10:24		May-17-16 10:38		May-17-16 10:48	
Metals by EPA 200.8	*Extracted:*	May-21-16 09:35		May-21-16 09:35		May-21-16 09:35		May-21-16 09:35		May-21-16 09:35		May-21-16 09:35	
	Analyzed:	May-26-16 01:29		May-26-16 01:37		May-26-16 01:44		May-26-16 01:51		May-26-16 01:58		May-26-16 02:05	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Copper		0.136	0.00400	0.142	0.00400	0.482	0.00400	1.21	0.00400	1.68	0.00400	2.76	0.00400
Lead		0.0140	0.00200	0.0108	0.00200	0.0723	0.00200	0.622	0.00200	0.940	0.00200	0.307	0.00200

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Version: 1.%

Gale Denman
Project Manager

Final 1.000

Certificate of Analysis Summary 530313

SKG Engineering, San Angelo, TX

Project Name: San Angelo State Supported Living Center

Project Id:
Contact: Stephanie Cheatheam
Project Location: San Angelo State Supported Living Cente

Date Received in Lab: Wed May-18-16 10:40 am
Report Date: 26-MAY-16
Project Manager: Gale Denman

Analysis Requested	*Lab Id:*	530313-031						
	Field Id:	16-1017 #31 Bldg 516						
	Depth:	RM 2259						
	Matrix:	WATER						
	Sampled:	May-17-16 10:44						
Metals by EPA 200.8	*Extracted:*	May-21-16 09:35						
	Analyzed:	May-26-16 02:13						
	Units/RL:	mg/L	RL					
Copper		1.96	0.00400					
Lead		0.145	0.00200					

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Version: 1.%

Gale Denman
Project Manager

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

BS / BSD Recoveries

Project Name: San Angelo State Supported Living Center

Work Order #: 530313 **Project ID:**

Analyst: BHRE **Date Prepared:** 05/21/2016 **Date Analyzed:** 05/24/2016

Lab Batch ID: 994988 **Sample:** 709102-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Metals by EPA 200.8 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Copper	<0.00400	0.100	0.0975	98	0.100	0.0967	97	1	85-115	20	
Lead	<0.00200	0.100	0.106	106	0.100	0.106	106	0	85-115	20	

Analyst: BHRE **Date Prepared:** 05/21/2016 **Date Analyzed:** 05/26/2016

Lab Batch ID: 995104 **Sample:** 709103-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Metals by EPA 200.8 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Copper	<0.00400	0.100	0.0986	99	0.100	0.0993	99	1	85-115	20	
Lead	<0.00200	0.100	0.104	104	0.100	0.105	105	1	85-115	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Version: 1.%

Form 3 - MS Recoveries

Project Name: San Angelo State Supported Living Cent

Work Order #: 530313

Lab Batch #: 994988 **Project ID:**

Date Analyzed: 05/25/2016 **Date Prepared:** 05/21/2016 **Analyst:** BHRE

QC- Sample ID: 530313-011 S **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Metals by EPA 200.8 Analytes	MATRIX / MATRIX SPIKE RECOVERY STUDY					
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Copper	0.0950	0.100	0.185	90	70-130	
Lead	<0.00200	0.100	0.105	105	70-130	

Lab Batch #: 995104

Date Analyzed: 05/26/2016 **Date Prepared:** 05/21/2016 **Analyst:** BHRE

QC- Sample ID: 530313-031 S **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Metals by EPA 200.8 Analytes	MATRIX / MATRIX SPIKE RECOVERY STUDY					
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Copper	1.96	0.100	2.04	80	70-130	
Lead	0.145	0.100	0.253	108	70-130	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

Version: 1.%

Form 3 - MS / MSD Recoveries

Project Name: San Angelo State Supported Living Center

Work Order # : 530313 **Project ID:**

Lab Batch ID: 994988 **QC- Sample ID:** 530313-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 05/24/2016 **Date Prepared:** 05/21/2016 **Analyst:** BHRE

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Metals by EPA 200.8 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Copper	0.466	0.100	0.558	92	0.100	0.542	76	3	70-130	20	
Lead	0.0125	0.100	0.118	106	0.100	0.115	103	3	70-130	20	

Lab Batch ID: 995104 **QC- Sample ID:** 530313-021 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 05/26/2016 **Date Prepared:** 05/21/2016 **Analyst:** BHRE

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Metals by EPA 200.8 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Copper	0.471	0.100	0.557	86	0.100	0.562	91	1	70-130	20	
Lead	0.122	0.100	0.223	101	0.100	0.225	103	1	70-130	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

SKG ENGINEERING, LLC
SURVEYING • ENVIRONMENTAL • LAB/CMT
706 SOUTH ABE STREET
SAN ANGELO, TEXAS 76903
PHONE: 325.655.1288
FAX: 325.657.6189

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

530313

Project No.

Client / Project: San Angelo State Supported Living Center

Field Sample No./ Identification	Date/Time Sampled	Grab	Comp.	No. of Sample Containers	Sample Type (Liquid, Sludge, etc.)	Preservative	Analysis Requested
16-0987 #01 bldg 500	5-17-16 09:40am	√		1	Liquid	HNO3	Lead, Copper
16-0988 #02 bldg 501	5-17-16 10:23am	√		1	Liquid	HNO3	Lead, Copper
16-0989 #03 bldg 501	5-17-16 10:26am	√		1	Liquid	HNO3	Lead, Copper
16-0990 #04 bldg 503	5-17-16 10:15am	√		1	Liquid	HNO3	Lead, Copper
16-0991 #05 bldg 503	5-17-16 10:13am	√		1	Liquid	HNO3	Lead, Copper
16-0992 #06 bldg 504	5-17-16 09:44am	√		1	Liquid	HNO3	Lead, Copper
16-0993 #07 bldg 504	5-17-16 09:47am	√		1	Liquid	HNO3	Lead, Copper
16-0994 #08 bldg 505	5-17-16 09:53am	√		1	Liquid	HNO3	Lead, Copper
16-0995 #09 bldg 505	5-17-16 09:59am	√		1	Liquid	HNO3	Lead, Copper
16-0996 #10 bldg 508	5-17-16 10:30am	√		1	Liquid	HNO3	Lead, Copper

Samplers: (Signature)	Relinquished by: Eric S. Thibodeaux	Date: 5-17-16	Received by: Mandi Beale	Date: 05/17/16
Eric S Thibodeaux	(Signature) Eric S Thibodeaux	Time: 1:30pm	(Signature)	Time: 1:30pm
Affiliation	Relinquished by: Mandi Beale	Date: 05/17/16	Received by: LSO	Date:
	(Signature)	Time: 1:30pm	(Signature)	Time:
SASSLC	Relinquished by: LSO	Date:	Received by:	Date: 5/18/16
	(Signature)	Time:	(Signature)	Time: 10:40

Remarks:

Data Results To:
1. lab@skge.com
2. mandi@skge.com

Temp: 2.4 IR ID:HOU-025
C/F:+0.2
Corrected Temp: 2.6

Date Results Needed:

Requested TAT:

SKG ENGINEERING, LLC
SURVEYING • ENVIRONMENTAL • LAB/CMT
706 SOUTH ABE STREET
SAN ANGELO, TEXAS 76903
PHONE: 325.655.1288
FAX: 325.657.8189

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

530313

Project No.

Client / Project: San Angelo State Supported Living Center

Field Sample No./ Identification	Date/Time Sampled	Grab	Comp.	No. of Sample Containers	Sample Type (Liquid, Sludge, etc.)	Preservative	Analysis Requested
16-0997 #11 bldg 503	5-17-16 10:33am	√		1	Liquid	HNO3	Lead, Copper
16-0998 #12 bldg 509	5-17-16 10:05am	√		1	Liquid	HNO3	Lead, Copper
16-0999 #13 bldg 509	5-17-16 10:10am	√		1	Liquid	HNO3	Lead, Copper
16-1000 #14 bldg 510	5-17-16 10:39am	√		1	Liquid	HNO3	Lead, Copper
16-1001 #15 bldg 510	5-17-16 10:42am	√		1	Liquid	HNO3	Lead, Copper
16-1002 #16 bldg 519	5-17-16 09:53am	√		1	Liquid	HNO3	Lead, Copper
16-1003 #17 bldg 511	5-17-16 09:44am	√		1	Liquid	HNO3	Lead, Copper
16-1004 #18 bldg 511	5-17-16 09:48am	√		1	Liquid	HNO3	Lead, Copper
16-1005 #19 bldg 514	5-17-16 09:55am	√		1	Liquid	HNO3	Lead, Copper
16-1006 #20 bldg 514	5-17-16 10:04am	√		1	Liquid	HNO3	Lead, Copper

Samplers: (Signature)	Relinquished by: Eric S. Thibodeaux	Date: 5-17-16	Received by: Mandi Beale	Date: 05/17/16
Eric S. Thibodeaux	(Signature) Eric S. Thibodeaux	Time: 1:30pm	(Signature)	Time: 1:30pm
Affiliation	Relinquished by: Mandi Beale	Date: 05/17/16	Received by:	Date:
	(Signature)	Time: 1:30pm	(Signature)	Time:
SASSLC	Relinquished by:	Date:	Received by:	Date: 5/18/16
	(Signature)	Time:	(Signature)	Time: 10:40

Remarks:

Data Results To:
1. lab@skge.com
2. mandi@skge.com

Temp: 2.4 IR ID:HOU-025
C/F:+0.2
Corrected Temp: 2.6

Date Results Needed:

Requested TAT:

SKG ENGINEERING, LLC
SURVEYING • ENVIRONMENTAL • LAB/CMT
706 SOUTH ABE STREET
SAN ANGELO, TEXAS 76903
PHONE: 325.656.1288
FAX: 325.657.8189

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

530313

Project No.

Client / Project: San Angelo State Supported Living Center

Field Sample No./ Identification	Date/Time Sampled	Grab	Comp.	No. of Sample Containers	Sample Type (Liquid, Sludge, etc.)		Preservative	Analysis Requested
16-1007 #21 bldg 515	5-17-16 10:04am	√		1	Liquid		HNO3	Lead, Copper
16-1008 # 22 bldg 516	5-17-16 10:10am	√		1	Liquid		HNO3	Lead, Copper
16-1009 # 23 bldg 516	5-17-16 10:13am	√		1	Liquid		HNO3	Lead, Copper
16-1010 # 24 bldg 516	5-17-16 10:16am	√		1	Liquid		HNO3	Lead, Copper
16-1011 # 25 bldg 516	5-17-16 10:32am	√		1	Liquid		HNO3	Lead, Copper
16-1012 # 26 bldg 516	5-17-16 10:35am	√		1	Liquid		HNO3	Lead, Copper
16-1013 # 27 bldg 516	5-17-16 10:27am	√		1	Liquid		HNO3	Lead, Copper
16-1014 # 28 bldg 516	5-17-16 10:24am	√		1	Liquid		HNO3	Lead, Copper
16-1015 #29 bldg 516	5-17-16 10:33am	√		1	Liquid		HNO3	Lead, Copper
16-1016 # 30 bldg 516	5-17-16 10:48am	√		1	Liquid		HNO3	Lead, Copper

Samplers: (Signature)	Relinquished by: Eric S. Thibodeaux	Date: 5-17-16	Received by: Mandi Baker	Date: 05/17/16
Eric S. Thibodeaux	(Signature) Eric S. Thibodeaux	Time: 1:30pm	(Signature)	Time: 1:30pm
	Relinquished by: Mandi Baker	Date: 05/17/16	Received by:	Date:
Affiliation	(Signature)	Time: 1:30pm	(Signature)	Time:
SASSLC	Relinquished by:	Date:	Received by:	Date: 5/18/16
	(Signature)	Time:	(Signature)	Time: 10:40

Remarks:

Data Results To:
1. lab@skge.com
2. mandi@skge.com

Temp: 24 IR ID:HOU-025
C/F:+0.2
Corrected Temp: 26

Date Results Needed:

Requested TAT:

SKG ENGINEERING, LLC
SURVEYING • ENVIRONMENTAL • LAB/CMT
706 SOUTH ABE STREET
SAN ANGELO, TEXAS 76903
PHONE: 325.655.1266
FAX: 325.657.8189

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Project No.

Client / Project: San Angelo State Supported Living Center 5303113

Field Sample No./ Identification	Date/Time Sampled	Grab	Comp.	No. of Sample Containers	Sample Type (Liquid, Sludge, etc.)	Preservative	Analysis Requested
16-1019 #31 bldg 516	5-17-16 10:44am	√		1	Liquid	HNO3	Lead, Copper
		√		1	Liquid	HNO3	Lead, Copper
		√		1	Liquid	HNO3	Lead, Copper
		√		1	Liquid	HNO3	Lead, Copper
		√		1	Liquid	HNO3	Lead, Copper
		√		1	Liquid	HNO3	Lead, Copper
		√		1	Liquid	HNO3	Lead, Copper
		√		1	Liquid	HNO3	Lead, Copper
		√		1	Liquid	HNO3	Lead, Copper
		√		1	Liquid	HNO3	Lead, Copper

Samplers: (Signature)	Relinquished by:	Date:	Received by:	Date:
Eric S. Thibodeaux	Eric S. Thibodeaux (Signature)	5-17-16 Time: 1:39pm	Mandi Hale (Signature)	05/17/16 Time: 1:39pm
Affiliation	Mandi Hale (Signature)	05/17/16 Time: 1:39pm	(Signature)	Time:
SASSLC	(Signature)	Time:	(Signature)	5/18/16 Time: 10:40

Remarks:

Data Results To:
1. lab@skge.com
2. mandi@skge.com

Temp: 2.4 IR ID:HOU-025
C/F:+0.2
Corrected Temp: 2.4

Date Results Needed:

Requested TAT:

LSO
It's all in the delivery.

Airbill No. ZT750063

Lone Star Overnight
1-800-800-8984
www.lso.com

SHIP TO:
XENCO LABORATORIES
XENCO LABORATORIES
4143 GREENBRIAR DRIVE
STAFFORD, TX 77477
2812404200

From:
MANDI BRAKE
SKG ENGINEERING
706 SOUTH ABE STREET
SAN ANGELO, TX 76903
3256551288

W HBY

LSO GROUND
END OF BUSINESS DAY DELIVERY

PRINT DATE: 5/17/2016
QUICKCODE: XENCO-STAFFORD
REF 1: 1D00V.0000

WEIGHT: 30.00LBS

Fold on above line and place shipping label in pouch on package. Please be sure the barcodes and addresses can be read and scanned. Shipping Instructions

1. ~~Fold this page along the horizontal line above.~~
2. Place this Airbill in the shipping label pouch on the package you are shipping. Please be sure the barcodes and addresses can be read and scanned.
3. To locate a drop box near you, click on **Find A Drop Box** from the home page main menu.
4. To schedule a pickup, click on **Request Pickup.**

WARNING: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your Lone Star Overnight account number.
This label is valid for use for 3 months from the date printed. Use of expired labels may result in delayed billing and / or additional research charges. LIMIT OF LIABILITY: We are not responsible for claims in excess of $100 for any reason unless you: 1) declare a greater value (not to exceed $25,000); 2) pay an additional fee; 3) and document your actual loss in a timely manner. We will not pay any claim in excess of the actual loss. We are not liable for any special or consequential damages. Additional limitations of liability are contained in our current Service Guide. If you ask us to deliver a package without obtaining a delivery signature, you release us of all liability for claims resulting from such service. NO DELIVERY SIGNATURE WILL BE OBTAINED FOR 8:30 AM DELIVERIES OR RESIDENTIAL DELIVERIES.

CUSTODY SEAL

SKG, LLC
325-655-1288

DATE 5.17.16
SIGNATURE S. Garza

10:40

LSO
It's all in the delivery.

Airbill No. ZT750372

Lone Star Overnight
1-800-800-8984
www.lso.com

SHIP TO:
XENCO LABORATORIES
XENCO LABORATORIES
4143 GREENBRIAR DRIVE
STAFFORD, TX 77477
2812404200

From:
MANDI BRAKE
SKG ENGINEERING
708 SOUTH ABE STREET
SAN ANGELO, TX 76903
3258581288

W HBY

LSO GROUND
END OF BUSINESS DAY DELIVERY

PRINT DATE: 5/17/2016
QUICKCODE: XENCO-STAFFORD
REF 1: 1D00V.0000

WEIGHT: 30.00LBS

Fold on above line and place shipping label in pouch on package. Please be sure the barcodes and addresses can be read and scanned. Shipping Instructions

1. ~~Fold this page along the horizontal line above.~~
2. Place this Airbill in the shipping label pouch on the package you are shipping. Please be sure the barcodes and addresses can be read and scanned.
3. To locate a drop box near you, click on **Find A Drop Box** from the home page main menu.
4. To schedule a pickup, click on **Request Pickup**.

WARNING: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your Lone Star Overnight account number.
This label is valid for use for 3 months from the date printed. Use of expired labels may result in delayed billing and / or additional research charges. LIMIT OF LIABILITY: We are not responsible for claims in excess of $100 for any reason unless you: 1) declare a greater value (not to exceed $25,000); 2) pay an additional fee; 3) and document your actual loss in a timely manner. We will not pay any claim in excess of the actual loss. We are not liable for any special or consequential damages. Additional limitations of liability are contained in our current Service Guide. If you ask us to deliver a package without obtaining a delivery signature, you release us of all liability for claims resulting from such service. NO DELIVERY SIGNATURE WILL BE OBTAINED FOR 3:30 AM DELIVERIES OR RESIDENTIAL DELIVERIES.

CUSTODY SEAL

SKG, LLC
325-0[illegible] 1288

DATE 5.17.16
SIGNATURE [illegible]

XENCO Laboratories
Prelogin/Nonconformance Report- Sample Log-In

Client: SKG Engineering

Date/ Time Received: 05/18/2016 10:40:00 AM

Work Order #: 530313

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used :

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	2.6	
#2 *Shipping container in good condition?	Yes	
#3 *Samples received on ice?	Yes	
#4 *Custody Seal present on shipping container/ cooler?	Yes	
#5 *Custody Seals intact on shipping container/ cooler?	Yes	
#6 Custody Seals intact on sample bottles?	Yes	
#7 *Custody Seals Signed and dated?	Yes	
#8 *Chain of Custody present?	Yes	
#9 Sample instructions complete on Chain of Custody?	Yes	
#10 Any missing/extra samples?	No	
#11 Chain of Custody signed when relinquished/ received?	Yes	
#12 Chain of Custody agrees with sample label(s)?	Yes	
#13 Container label(s) legible and intact?	Yes	
#14 Sample matrix/ properties agree with Chain of Custody?	Yes	
#15 Samples in proper container/ bottle?	Yes	
#16 Samples properly preserved?	Yes	
#17 Sample container(s) intact?	Yes	
#18 Sufficient sample amount for indicated test(s)?	Yes	
#19 All samples received within hold time?	Yes	
#20 Subcontract of sample(s)?	No	
#21 VOC samples have zero headspace (less than 1/4 inch bubble)?	N/A	
#22 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	Yes	
#23 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	N/A	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: RKO

PH Device/Lot#: 10DBH4951

Checklist completed by: Ruriko Konuma Date: 05/18/2016

Checklist reviewed by: Gale Denman Date: 05/18/2016

6/7/16 512 Retest

Analytical Report 531364

for

SKG Engineering

Project Manager: Stephanie Cheatheam

SASSLC

SASSLC

13-JUN-16

Collected By: Client

XENCO LABORATORIES

4147 Greenbriar Dr.
Stafford, TX 77477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-15-19), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534-15-1)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)

13-JUN-16

Project Manager: **Stephanie Cheatheam**
SKG Engineering
706 South Abe Street
San Angelo, TX 76903

Reference: XENCO Report No(s): **531364**
SASSLC
Project Address: SASSLC

Stephanie Cheatheam:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 531364. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 531364 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Gale Denman

Gale Denman
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analysis Summary 531364

SKG Engineering, San Angelo, TX

Project Name: SASSLC

Project Id: SASSLC
Contact: Stephanie Cheatheam
Project Location: SASSLC

Date Received in Lab: Wed Jun-08-16 09:30 am
Report Date: 13-JUN-16
Project Manager: Gale Denman

Analysis Requested	*Lab Id:*	531364-001		531364-002		531364-003		531364-004	
	Field Id:	16-1338 #01 Blg 512103		16-1339 #02 Blg 512210		16-1340 # & R05 Blg 512101		16-1341 # & R06 Blg 512223	
	Depth:	Rm 103		Rm 210		Rm 102		Rm 223	
	Matrix:	WATER		WATER		WATER		WATER	
	Sampled:	Jun-07-16 10:50		Jun-07-16 10:56		Jun-07-16 10:51		Jun-07-16 10:58	
Metals by EPA 200.8	*Extracted:*	Jun-09-16 11:35		Jun-09-16 11:35		Jun-09-16 11:35		Jun-09-16 11:35	
	Analyzed:	Jun-09-16 17:28		Jun-09-16 17:43		Jun-09-16 17:50		Jun-09-16 17:57	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Lead		BRL	0.00200	0.00738	0.00200	BRL	0.00200	BRL	0.00200

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories
XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented
Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Version 1 %

Gale Denman
Project Manager

Final 1.000

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

BS / BSD Recoveries

Project Name: SASSLC

Work Order #: 531364
Analyst: BHRE
Lab Batch ID: 995950
Units: mg/L

Sample: 709738-1-BKS

Date Prepared: 06/09/2016
Batch #: 1

Project ID: SASSLC
Date Analyzed: 06/09/2016
Matrix: Water

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Metals by EPA 200.8 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Lead	<0.00200	0.100	0.102	102	0.100	0.101	101	1	85-115	20	

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Version: 1.%

Final 1.000

Form 3 - MS Recoveries

Project Name: SASSLC

Work Order #: 531364

Lab Batch #: 995950

Project ID: SASSLC

Date Analyzed: 06/09/2016

Date Prepared: 06/09/2016

Analyst: BHRE

QC- Sample ID: 531364-001 S

Batch #: 1

Matrix: Water

Reporting Units: mg/L

Metals by EPA 200.8	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Lead	<0.00200	0.100	0.102	102	70-130	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

Version 1.0

Final 1.000

Form 3 - MS / MSD Recoveries

Project Name: SASSLC

Work Order # : 531364
Lab Batch ID: 995950
Date Analyzed: 06/09/2016
Reporting Units: mg/L

Project ID: SASSLC
QC- Sample ID: 531150-001 S **Batch #:** 1 **Matrix:** Water
Date Prepared: 06/09/2016 **Analyst:** BHRE

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Metals by EPA 200.8 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Lead	<0.00200	0.100	0.104	104	0.100	0.102	102	2	70-130	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

Final 1.000

SKG ENGINEERING, LLC
SURVEYING • ENVIRONMENTAL • LAB/CMT
708 SOUTH ABE STREET
SAN ANGELO, TEXAS 76903
PHONE: 325.655.1288
FAX: 325.657.8189

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Project No.

Client / Project SASSLC

531364

Field Sample No./ Identification	Date/Time Sampled	Grab	Comp.	No. of Sample Containers	Sample Type (Liquid, Sludge, etc.)	Preservative	Analysis Requested
16-1338 #01 bldg 512103	08 June 2016 10:50am	✓		1	Liquid	HNO3	Lead, [redacted]
16-1339 #02 bldg 512210	08 June 2016 10:56am	✓		1	Liquid	HNO3	Lead, [redacted]
16-1340 #205 bldg 512102	08 June 2016 10:51am	✓		1	Liquid	HNO3	Lead, [redacted]
16-1341 #206 bldg 512203	08 June 2016 10:58am	✓		1	Liquid	HNO3	Lead, [redacted]

Samplers: (Signature) Eric S Thibodeaux

Affiliation SASSLC

Relinquished by: (Signature) Eric S Thibodeaux — Date: 08 June 2016 Time: 1:35pm

Relinquished by: (Signature) Mandi Bode — Date: 06/08/16 Time: 1:35pm

Relinquished by: (Signature) [illegible] — Date: Time:

Received by: (Signature) Mandi Bode — Date: 06/08/16 Time: 1:35pm

Received by: (Signature) [illegible] — Date: Time:

Received by: (Signature) [illegible] — Date 6/8/16 Time: 9:30

Remarks:

Data Results To:
1. lab@skge.com
2. ~~bonnie@skge.com~~ mandi@skge.com
3.

Temp: 2.4 IR ID:HOU-025
C/F:+0.2
Corrected Temp: 2.6

Date Results Needed:

Requested TAT:

~~This is the final page of the two page report consisting of Microbial Monitoring Form (pg 1) and Analysis Request and Chain of Custody Record (pg 2).~~

LSO
It's all in the delivery.

Airbill No. ZT818707

Lone Star Overnight
1-800-800-8984
www.lso.com

SHIP TO:
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XENCO LABORATORIES
4143 GREENBRIAR DRIVE
STAFFORD, TX 77477
2812404200

From:
MANDI BRAKE
SKG ENGINEERING
706 SOUTH ABE STREET
SAN ANGELO, TX 76903
3256551288

W HBY

LSO GROUND
END OF BUSINESS DAY DELIVERY

PRINT DATE: 6/7/2016
QUICKCODE: XENCO-STAFFORD
REF 1: 1D00V.0000

WEIGHT: 30.00LBS

Fold on above line and place shipping label in pouch on package. Please be sure the barcodes and addresses can be read and scanned. Shipping Instructions

1. Fold this page along the horizontal line above.
2. Place this Airbill in the shipping label pouch on the package you are shipping. Please be sure the barcodes and addresses can be read and scanned.
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LIMIT OF LIABILITY: We are not responsible for claims in excess of $100 for any reason unless you: 1) declare a greater value (not to exceed $25,000); 2) pay an additional fee; 3) and document your actual loss in a timely manner. We will not pay any claim in excess of the actual loss. We are not liable for any special or consequential damages. Additional limitations of liability are contained in our current Service Guide. If you ask us to deliver a package without obtaining a delivery signature, you release us of all liability for claims resulting from such service. NO DELIVERY SIGNATURE WILL BE OBTAINED FOR 8:30 AM DELIVERIES OR RESIDENTIAL DELIVERIES.

XENCO Laboratories
Prelogin/Nonconformance Report- Sample Log-In

Client: SKG Engineering

Date/ Time Received: 06/08/2016 09:30:00 AM

Work Order #: 531364

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used :

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	2.6	
#2 *Shipping container in good condition?	Yes	
#3 *Samples received on ice?	Yes	
#4 *Custody Seal present on shipping container/ cooler?	No	
#5 *Custody Seals intact on shipping container/ cooler?	N/A	
#6 Custody Seals intact on sample bottles?	Yes	
#7 *Custody Seals Signed and dated?	Yes	
#8 *Chain of Custody present?	Yes	
#9 Sample instructions complete on Chain of Custody?	Yes	
#10 Any missing/extra samples?	No	
#11 Chain of Custody signed when relinquished/ received?	Yes	
#12 Chain of Custody agrees with sample label(s)?	Yes	COC and Sample label with Wrong date. All sample dates as collected on 06/08/16
#13 Container label(s) legible and intact?	Yes	
#14 Sample matrix/ properties agree with Chain of Custody?	Yes	
#15 Samples in proper container/ bottle?	Yes	
#16 Samples properly preserved?	Yes	
#17 Sample container(s) intact?	Yes	
#18 Sufficient sample amount for indicated test(s)?	Yes	
#19 All samples received within hold time?	Yes	
#20 Subcontract of sample(s)?	No	
#21 VOC samples have zero headspace (less than 1/4 inch bubble)?	N/A	
#22 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	Yes	
#23 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	N/A	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: RKO

PH Device/Lot#: 10BDH4951

Checklist completed by: Ruriko Konuma Date: 06/08/2016

Checklist reviewed by: Gale Denman Date: 06/08/2016

ENCLOSURE # 2

ANALYTICAL REPORT

BRENHAM STATE SUPPORTED LIVING CENTER

information for report date:

4/29/16 14:05

Z007367

Lead & Copper sampling for 2016 is under way!

Let Aqua-Tech help you fulfill your state requirements. We are certified and ready to assist with sampling kits, analysis & online data retrieval. You can trust our experience and history of successful state reporting.

Call or email us today at samplingbryan@aqua-techlabs.com for more information or to set up an event.

Thank you for your business,

June M. Brien

Executive Technical Director

craig.harrelson@dads.state.tx.us

BRENHAM STATE SUPPORTED LIVING CENTER
Attn: Craig Harrelson
4001 HWY 36 SOUTH
What!!??

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Fax: (512) 301-9552

The analyses summarized in this report were performed by Aqua-Tech Laboratories, Inc. unless otherwise noted. Aqua-Tech Laboratories, Inc. holds accreditation from the State of Texas in accordance with TNI and/or through the TCEQ Drinking Water Commercial Laboratory Approval Program.

The following abbreviations indicate certification status:

NELAP Cert. T104704371

NEL	NELAC accredited parameter.
ANR	Accreditation not required by the State of Texas.
DWP	Accreditation through the TCEQ Drinking Water Commercial Laboratory Approval Program.
INF	Aqua-Tech Laboratories, Inc. is not accredited for this parameter. It is reported on an informational basis only.

Subcontracted data summarized in this report is indicated by "Sub" in the Lab column.

TCEQ DW Lab ID TX 239

General Definitions:

NR	Not Reported.
RPD	Relative Percent Difference.
% R	Percent Recovery.
dry	Results with the "dry" unit designation are reported on a "dry weight" basis.
SQL	The Sample Quantitation Limit is the value below which the parameter cannot reliably be detected. The SQL includes all sample preparations, dilutions and / or concentrations.
Adj MDL	The Adjusted Method Detection Limit is the MDL value adjusted for any sample dilutions or concentrations .
MDL	The Method Detection Limit is the lowest theoretical value that is statistically different from zero for a specific method, taking into account all preparation steps and instrument settings.

All samples are reported on an "as received" basis unless the designation "dry" is added to the reported unit.

Copies of Aqua-Tech Laboratories, Inc. procedures and individual sampling plans are available upon request. Note that samples are collected by Aqua-Tech Laboratories, Inc. personnel unless otherwise noted in the "Sample Collected" field of this report as "Client" or "CLT".

Samples included in this report were received in acceptable condition according to Aqua-Tech Laboratories, Inc. procedures and 40 CFR, Chapter I, Subchapter D, Part 136.3, TABLE II. - *Required containers, preservation techniques, and holding times*, unless otherwise noted in this report.

Record Retention:

All reports, raw data, and associated quality control data are kept on file for 10 years before being destroyed. Any client that would like copies of records must contact Aqua-Tech Laboratories, Inc. no later than six months prior to the scheduled disposal. An administrative fee for retrieval and distribution will apply.

This report was approved by:

June M. Brien, Technical Director

The results in this report apply only to the samples analyzed. This analytical report must be reproduced in its entirety unless written permission is granted by Aqua-Tech Laboratories, Inc.

corp@aqua-techlabs.com www.aqua-techlabs.com

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Analytical Report

BRENHAM STATE SUPPORTED LIVING CENTER

Report Printed: **4/29/16** **14:05**

Z007367

LCR011

Collected: 04/06/16 08:10 by CLIENT
Received: 04/06/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* 1000271, 1000272, 100

Lab ID# Z007367-11

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**1.13**	mg/L		0.000036	0.000036	0.000625	*Bryan*	04/17/16 17:42 JRB	EPA 200.8 R5.4	M067282	*NEL*
Lead	**0.178**	mg/L		0.000006	0.000006	0.000500	*Bryan*	04/17/16 17:42 JRB	EPA 200.8 R5.4	M067282	*NEL*

LCR001

Collected: 04/06/16 08:20 by CLIENT
Received: 04/06/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* 1000271, 1000272, 100

Lab ID# Z007367-01

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.252**	mg/L		0.000036	0.000036	0.000625	*Bryan*	04/23/16 15:14 JRB	EPA 200.8 R5.4	M067282	*NEL*
Lead	**0.108**	mg/L		0.000006	0.000006	0.000500	*Bryan*	04/21/16 20:40 JRB	EPA 200.8 R5.4	M067282	*NEL*

LCR002

Collected: 04/06/16 08:22 by CLIENT
Received: 04/06/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* 1000271, 1000272, 100

Lab ID# Z007367-02

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.141**	mg/L		0.000030	0.000030	0.000515	*Bryan*	04/17/16 21:39 JRB	EPA 200.8 R5.4	M067283	*NEL*
Lead	**0.00152**	mg/L		0.000005	0.000005	0.000412	*Bryan*	04/17/16 21:39 JRB	EPA 200.8 R5.4	M067283	*NEL*

LCR012

Collected: 04/06/16 08:30 by CLIENT
Received: 04/06/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* 1000271, 1000272, 100

Lab ID# Z007367-12

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.290**	mg/L		0.000030	0.000030	0.000515	*Bryan*	04/17/16 22:40 JRB	EPA 200.8 R5.4	M067283	*NEL*
Lead	**0.0452**	mg/L		0.000005	0.000005	0.000412	*Bryan*	04/17/16 22:40 JRB	EPA 200.8 R5.4	M067283	*NEL*

LCR013

Collected: 04/06/16 08:33 by CLIENT
Received: 04/06/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* 1000271, 1000272, 100

Lab ID# Z007367-13

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.311**	mg/L		0.000036	0.000036	0.000625	*Bryan*	04/17/16 18:13 JRB	EPA 200.8 R5.4	M067282	*NEL*
Lead	**0.0655**	mg/L		0.000006	0.000006	0.000500	*Bryan*	04/17/16 18:13 JRB	EPA 200.8 R5.4	M067282	*NEL*

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Analytical Report

BRENHAM STATE SUPPORTED LIVING CENTER

Report Printed: **4/29/16** **14:05**

Z007367

LCR003

Collected: 04/06/16 08:40 by CLIENT
Received: 04/06/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* 1000271, 1000272, 100

Lab ID# Z007367-03

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Lead	**0.190**	mg/L		0.000005	0.000005	0.000412	*Bryan*	04/17/16 21:47 JRB	EPA 200.8 R5.4	M067283	*NEL*

Z007367-03 - re-analysis

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**1.09**	mg/L		0.000149	0.000149	0.00129	*Bryan*	04/23/16 16:23 JRB	EPA 200.8 R5.4	M067658	*NEL*

LCR004

Collected: 04/06/16 08:43 by CLIENT
Received: 04/06/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* 1000271, 1000272, 100

Lab ID# Z007367-04

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.420**	mg/L		0.000030	0.000030	0.000515	*Bryan*	04/17/16 21:54 JRB	EPA 200.8 R5.4	M067283	*NEL*
Lead	**0.0501**	mg/L		0.000005	0.000005	0.000412	*Bryan*	04/17/16 21:54 JRB	EPA 200.8 R5.4	M067283	*NEL*

LCR005

Collected: 04/06/16 09:03 by CLIENT
Received: 04/06/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* 1000271, 1000272, 100

Lab ID# Z007367-05

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.473**	mg/L		0.000030	0.000030	0.000515	*Bryan*	04/17/16 22:02 JRB	EPA 200.8 R5.4	M067283	*NEL*
Lead	**0.0275**	mg/L		0.000005	0.000005	0.000412	*Bryan*	04/17/16 22:02 JRB	EPA 200.8 R5.4	M067283	*NEL*

LCR006

Collected: 04/06/16 09:06 by CLIENT
Received: 04/06/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* 1000271, 1000272, 100

Lab ID# Z007367-06

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Lead	**0.266**	mg/L		0.000005	0.000005	0.000412	*Bryan*	04/17/16 22:10 JRB	EPA 200.8 R5.4	M067283	*NEL*

Z007367-06 - re-analysis

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.580**	mg/L		0.000060	0.000060	0.000515	*Bryan*	04/23/16 16:31 JRB	EPA 200.8 R5.4	M067658	*NEL*

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Analytical Report

BRENHAM STATE SUPPORTED LIVING CENTER

Report Printed: **4/29/16** **14:05**

Z007367

LCR014

Collected: 04/06/16 09:12 by CLIENT
Received: 04/06/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* 1000271, 1000272, 100

Lab ID# Z007367-14

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.342**	mg/L		0.000036	0.000036	0.000625	*Bryan*	04/17/16 18:21 JRB	EPA 200.8 R5.4	M067282	*NEL*
Lead	**0.0405**	mg/L		0.000006	0.000006	0.000500	*Bryan*	04/17/16 18:21 JRB	EPA 200.8 R5.4	M067282	*NEL*

LCR015

Collected: 04/06/16 09:12 by CLIENT
Received: 04/06/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* 1000271, 1000272, 100

Lab ID# Z007367-15

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.207**	mg/L		0.000036	0.000036	0.000625	*Bryan*	04/17/16 18:28 JRB	EPA 200.8 R5.4	M067282	*NEL*
Lead	**0.0666**	mg/L		0.000006	0.000006	0.000500	*Bryan*	04/17/16 18:28 JRB	EPA 200.8 R5.4	M067282	*NEL*

LCR016

Collected: 04/06/16 09:16 by CLIENT
Received: 04/06/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* 1000271, 1000272, 100

Lab ID# Z007367-16

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.213**	mg/L		0.000030	0.000030	0.000515	*Bryan*	04/17/16 23:11 JRB	EPA 200.8 R5.4	M067283	*NEL*
Lead	**0.00120**	mg/L		0.000005	0.000005	0.000412	*Bryan*	04/17/16 23:11 JRB	EPA 200.8 R5.4	M067283	*NEL*

LCR007

Collected: 04/06/16 09:24 by CLIENT
Received: 04/06/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* 1000271, 1000272, 100

Lab ID# Z007367-07

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.149**	mg/L		0.000030	0.000030	0.000515	*Bryan*	04/17/16 22:17 JRB	EPA 200.8 R5.4	M067283	*NEL*
Lead	**0.00544**	mg/L		0.000005	0.000005	0.000412	*Bryan*	04/17/16 22:17 JRB	EPA 200.8 R5.4	M067283	*NEL*

LCR008

Collected: 04/06/16 09:26 by CLIENT
Received: 04/06/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* 1000271, 1000272, 100

Lab ID# Z007367-08

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.0239**	mg/L		0.000030	0.000030	0.000515	*Bryan*	04/17/16 22:25 JRB	EPA 200.8 R5.4	M067283	*NEL*
Lead	**0.000575**	mg/L		0.000005	0.000005	0.000412	*Bryan*	04/17/16 22:25 JRB	EPA 200.8 R5.4	M067283	*NEL*

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Analytical Report

BRENHAM STATE SUPPORTED LIVING CENTER

Report Printed: **4/29/16** **14:05**

Z007367

LCR017

Collected: 04/06/16 09:32 by CLIENT
Received: 04/06/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* 1000271, 1000272, 100

Lab ID# Z007367-17

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.0801**	mg/L		0.000030	0.000030	0.000515	*Bryan*	04/21/16 20:48 JRB	EPA 200.8 R5.4	M067284	*NEL*
Lead	**0.0114**	mg/L		0.000005	0.000005	0.000412	*Bryan*	04/17/16 19:52 JRB	EPA 200.8 R5.4	M067284	*NEL*

LCR018

Collected: 04/06/16 09:35 by CLIENT
Received: 04/06/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* 1000271, 1000272, 100

Lab ID# Z007367-18

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.110**	mg/L		0.000030	0.000030	0.000515	*Bryan*	04/17/16 20:00 JRB	EPA 200.8 R5.4	M067284	*NEL*
Lead	**0.00259**	mg/L		0.000005	0.000005	0.000412	*Bryan*	04/17/16 20:00 JRB	EPA 200.8 R5.4	M067284	*NEL*

LCR009

Collected: 04/06/16 09:44 by CLIENT
Received: 04/06/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* 1000271, 1000272, 100

Lab ID# Z007367-09

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.406**	mg/L		0.000036	0.000036	0.000625	*Bryan*	04/17/16 17:35 JRB	EPA 200.8 R5.4	M067282	*NEL*
Lead	**0.107**	mg/L		0.000006	0.000006	0.000500	*Bryan*	04/17/16 17:35 JRB	EPA 200.8 R5.4	M067282	*NEL*

LCR010

Collected: 04/06/16 09:47 by CLIENT
Received: 04/06/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* 1000271, 1000272, 100

Lab ID# Z007367-10

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.266**	mg/L		0.000030	0.000030	0.000515	*Bryan*	04/17/16 22:33 JRB	EPA 200.8 R5.4	M067283	*NEL*
Lead	**0.0465**	mg/L		0.000005	0.000005	0.000412	*Bryan*	04/17/16 22:33 JRB	EPA 200.8 R5.4	M067283	*NEL*

LCR019

Collected: 04/06/16 09:51 by CLIENT
Received: 04/06/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* 1000271, 1000272, 100

Lab ID# Z007367-19

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.463**	mg/L		0.000030	0.000030	0.000515	*Bryan*	04/17/16 20:07 JRB	EPA 200.8 R5.4	M067284	*NEL*
Lead	**0.133**	mg/L		0.000005	0.000005	0.000412	*Bryan*	04/17/16 20:07 JRB	EPA 200.8 R5.4	M067284	*NEL*

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Analytical Report

BRENHAM STATE SUPPORTED LIVING CENTER

Report Printed: **4/29/16** **14:05**

Z007367

LCR020

Collected: 04/06/16 09:53 by CLIENT
Received: 04/06/16 12:30 by Christy Longcrier

Type FSD
Matrix Drinking Water
C-O-C # 1000271, 1000272, 100

Lab ID# Z007367-20

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.117**	mg/L		0.000030	0.000030	0.000515	*Bryan*	04/21/16 20:55 JRB	EPA 200.8 R5.4	M067284	*NEL*
Lead	**0.000576**	mg/L		0.000005	0.000005	0.000412	*Bryan*	04/17/16 20:15 JRB	EPA 200.8 R5.4	M067284	*NEL*

Explanation of Notes

ICP-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
J	Analyte detected below the SQL but above the MDL.

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Analytical Report

BRENHAM STATE SUPPORTED LIVING CENTER

Report Printed: **4/29/16** **14:05**

Z007367

Metals (Total) - Quality Control

	Result	Units	Notes	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch
Copper - EPA 200.8 R5.4												*Bryan*
Blank	<0.000625	mg/L	*J (0.000206)*	0.000625	04/17/16 16:34 JRB							M067282
LCS	0.00474	mg/L		0.000625	04/17/16 16:41 JRB	0.00500		94.8	84.5 - 115.4			M067282
LCS Dup	0.00533	mg/L		0.000625	04/17/16 16:49 JRB	0.00500		107	84.5 - 115.4	11.6	20	M067282
Matrix Spike	0.268	mg/L	*ICP-4X*	0.000625	04/17/16 17:19 JRB	0.00500	0.252	*333*	69.5 - 130.4			M067282
Blank	<0.000515	mg/L	*J (0.000058)*	0.000515	04/17/16 18:36 JRB							M067284
LCS	0.00511	mg/L		0.000520	04/17/16 18:43 JRB	0.00500		102	84.5 - 115.4			M067284
LCS Dup	0.00500	mg/L		0.000520	04/17/16 18:51 JRB	0.00500		100	84.5 - 115.4	2.26	20	M067284
Duplicate	0.0763	mg/L		0.000515	04/17/16 18:59 JRB		0.0801			4.84	20	M067284
Matrix Spike	0.0829	mg/L	*ICP-4X*	0.000520	04/17/16 19:22 JRB	0.00500	0.0801	*56.1*	69.5 - 130.4			M067284
Blank	<0.000515	mg/L		0.000515	04/17/16 20:23 JRB							M067283
LCS	0.00508	mg/L		0.000520	04/17/16 20:30 JRB	0.00500		102	84.5 - 115.4			M067283
LCS Dup	0.00499	mg/L		0.000520	04/17/16 20:38 JRB	0.00500		99.8	84.5 - 115.4	1.82	20	M067283
Duplicate	0.140	mg/L		0.000515	04/17/16 20:46 JRB		0.141			0.849	20	M067283
Matrix Spike	0.152	mg/L	*ICP-4X*	0.000520	04/17/16 21:31 JRB	0.00500	0.141	*209*	69.5 - 130.4			M067283
Duplicate	0.263	mg/L		0.000625	04/23/16 14:59 JRB		0.252			4.35	20	M067282
Blank	<0.000258	mg/L		0.000258	04/23/16 15:22 JRB							M067658
LCS	0.00480	mg/L		0.000260	04/23/16 15:30 JRB	0.00500		96.0	84.5 - 115.4			M067658
LCS Dup	0.00489	mg/L		0.000260	04/23/16 15:37 JRB	0.00500		97.8	84.5 - 115.4	1.84	20	M067658
Duplicate	1.13	mg/L		0.00129	04/23/16 15:45 JRB		1.09			3.66	20	M067658
Matrix Spike	1.16	mg/L	*ICP-4X*	0.00130	04/23/16 15:53 JRB	0.0250	1.09	*255*	69.5 - 130.4			M067658

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Z007367

Metals (Total) - Quality Control

	Result	Units	Notes	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch
Lead - EPA 200.8 R5.4												*Bryan*
Blank	<0.000500	mg/L	*J (0.000121)*	0.000500	04/17/16 16:34 JRB							M067282
LCS	0.00487	mg/L		0.000500	04/17/16 16:41 JRB	0.00500		97.4	84.5 - 115.4			M067282
LCS Dup	0.00486	mg/L		0.000500	04/17/16 16:49 JRB	0.00500		97.2	84.5 - 115.4	0.234	20	M067282
Blank	<0.000412	mg/L	*J (0.000008)*	0.000412	04/17/16 18:36 JRB							M067284
LCS	0.00512	mg/L		0.000416	04/17/16 18:43 JRB	0.00500		102	84.5 - 115.4			M067284
LCS Dup	0.00524	mg/L		0.000416	04/17/16 18:51 JRB	0.00500		105	84.5 - 115.4	2.19	20	M067284
Duplicate	0.0109	mg/L		0.000412	04/17/16 18:59 JRB		0.0114			4.60	20	M067284
Matrix Spike	0.0163	mg/L		0.000416	04/17/16 19:22 JRB	0.00500	0.0114	99.3	69.5 - 130.4			M067284
Blank	<0.000412	mg/L	*J (0.000024)*	0.000412	04/17/16 20:23 JRB							M067283
LCS	0.00519	mg/L		0.000416	04/17/16 20:30 JRB	0.00500		104	84.5 - 115.4			M067283
LCS Dup	0.00516	mg/L		0.000416	04/17/16 20:38 JRB	0.00500		103	84.5 - 115.4	0.591	20	M067283
Duplicate	0.00147	mg/L		0.000412	04/17/16 20:46 JRB		0.00152			3.24	20	M067283
Matrix Spike	0.00654	mg/L		0.000416	04/17/16 21:31 JRB	0.00500	0.00152	100	69.5 - 130.4			M067283
Duplicate	0.108	mg/L		0.000500	04/21/16 20:25 JRB		0.108			0.418	20	M067282
Matrix Spike	0.115	mg/L	*ICP-4X*	0.000500	04/21/16 20:32 JRB	0.00500	0.108	*139*	69.5 - 130.4			M067282

Preparation Procedures - Quality Control

	Result	Units	Notes	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch
Turbidity - SM2130 B 2001												*Bryan*
Blank	<1.0	NTU		1.0	04/07/16 09:49 SSS							M067280
Duplicate	1.7	NTU		1.0	04/07/16 09:49 SSS		1.7			0.587	16	M067280
Initial Cal Check	3.6	NTU		1.00	04/07/16 09:49 SSS	4.20		85.2	85 - 115			1604035

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Z007367

Sample Preparation Summary

Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	External Dilution Factor	Batch
Z007367-01										
Copper	EPA 200.8 R5.4	4/7/16 10:27 SSS	Bryan	A	50.0	mL	25.0	mL	2.5	M067282
Lead	EPA 200.8 R5.4	4/7/16 10:27 SSS	Bryan	A	50.0	mL	25.0	mL	2.5	M067282
Sample Acidified to pH<2 in Lab	N/A	4/6/16 14:20 CLL	Bryan	A	100	mL	100	mL	1	M067257
Turbidity	SM2130 B 2001	4/7/16 9:49 SSS	Bryan	A	10.0	mL	10.0	mL	1	M067280
Z007367-02										
Copper	EPA 200.8 R5.4	4/17/16 13:17 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067283
Lead	EPA 200.8 R5.4	4/17/16 13:17 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067283
Sample Acidified to pH<2 in Lab	N/A	4/6/16 14:20 CLL	Bryan	A	100	mL	100	mL	1	M067257
Turbidity	SM2130 B 2001	4/7/16 9:49 SSS	Bryan	A	10.0	mL	10.0	mL	1	M067280
Z007367-03										
Lead	EPA 200.8 R5.4	4/17/16 13:17 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067283
Sample Acidified to pH<2 in Lab	N/A	4/6/16 14:20 CLL	Bryan	A	100	mL	100	mL	1	M067257
Turbidity	SM2130 B 2001	4/7/16 9:49 SSS	Bryan	A	10.0	mL	10.0	mL	1	M067280
Z007367-04										
Copper	EPA 200.8 R5.4	4/17/16 13:17 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067283
Lead	EPA 200.8 R5.4	4/17/16 13:17 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067283
Sample Acidified to pH<2 in Lab	N/A	4/6/16 14:20 CLL	Bryan	A	100	mL	100	mL	1	M067257
Turbidity	SM2130 B 2001	4/7/16 9:49 SSS	Bryan	A	10.0	mL	10.0	mL	1	M067280
Z007367-05										
Copper	EPA 200.8 R5.4	4/17/16 13:17 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067283
Lead	EPA 200.8 R5.4	4/17/16 13:17 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067283
Sample Acidified to pH<2 in Lab	N/A	4/6/16 14:20 CLL	Bryan	A	100	mL	100	mL	1	M067257
Turbidity	SM2130 B 2001	4/7/16 9:49 SSS	Bryan	A	10.0	mL	10.0	mL	1	M067280
Z007367-06										
Lead	EPA 200.8 R5.4	4/17/16 13:17 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067283
Sample Acidified to pH<2 in Lab	N/A	4/6/16 14:20 CLL	Bryan	A	100	mL	100	mL	1	M067257
Turbidity	SM2130 B 2001	4/7/16 9:49 SSS	Bryan	A	10.0	mL	10.0	mL	1	M067280

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Analytical Report

BRENHAM STATE SUPPORTED LIVING CENTER

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Z007367

Sample Preparation Summary

Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	External Dilution Factor	Batch
Z007367-07										
Copper	EPA 200.8 R5.4	4/17/16 13:17 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067283
Lead	EPA 200.8 R5.4	4/17/16 13:17 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067283
Sample Acidified to pH<2 in Lab	N/A	4/6/16 14:20 CLL	Bryan	A	100	mL	100	mL	1	M067257
Turbidity	SM2130 B 2001	4/7/16 9:49 SSS	Bryan	A	10.0	mL	10.0	mL	1	M067280
Z007367-08										
Copper	EPA 200.8 R5.4	4/17/16 13:17 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067283
Lead	EPA 200.8 R5.4	4/17/16 13:17 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067283
Sample Acidified to pH<2 in Lab	N/A	4/6/16 14:20 CLL	Bryan	A	100	mL	100	mL	1	M067257
Turbidity	SM2130 B 2001	4/7/16 9:49 SSS	Bryan	A	10.0	mL	10.0	mL	1	M067280
Z007367-09										
Copper	EPA 200.8 R5.4	4/7/16 10:27 SSS	Bryan	A	50.0	mL	25.0	mL	2.5	M067282
Lead	EPA 200.8 R5.4	4/7/16 10:27 SSS	Bryan	A	50.0	mL	25.0	mL	2.5	M067282
Sample Acidified to pH<2 in Lab	N/A	4/6/16 14:20 CLL	Bryan	A	100	mL	100	mL	1	M067257
Turbidity	SM2130 B 2001	4/7/16 9:49 SSS	Bryan	A	10.0	mL	10.0	mL	1	M067280
Z007367-10										
Copper	EPA 200.8 R5.4	4/17/16 13:17 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067283
Lead	EPA 200.8 R5.4	4/17/16 13:17 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067283
Sample Acidified to pH<2 in Lab	N/A	4/6/16 14:20 CLL	Bryan	A	100	mL	100	mL	1	M067257
Turbidity	SM2130 B 2001	4/7/16 9:49 SSS	Bryan	A	10.0	mL	10.0	mL	1	M067280
Z007367-11										
Copper	EPA 200.8 R5.4	4/7/16 10:27 SSS	Bryan	A	50.0	mL	25.0	mL	2.5	M067282
Lead	EPA 200.8 R5.4	4/7/16 10:27 SSS	Bryan	A	50.0	mL	25.0	mL	2.5	M067282
Sample Acidified to pH<2 in Lab	N/A	4/6/16 14:20 CLL	Bryan	A	100	mL	100	mL	1	M067257
Turbidity	SM2130 B 2001	4/7/16 9:49 SSS	Bryan	A	10.0	mL	10.0	mL	1	M067280
Z007367-12										
Copper	EPA 200.8 R5.4	4/17/16 13:17 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067283
Lead	EPA 200.8 R5.4	4/17/16 13:17 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067283
Sample Acidified to pH<2 in Lab	N/A	4/6/16 14:20 CLL	Bryan	A	100	mL	100	mL	1	M067257
Turbidity	SM2130 B 2001	4/7/16 9:49 SSS	Bryan	A	10.0	mL	10.0	mL	1	M067280

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Analytical Report

BRENHAM STATE SUPPORTED LIVING CENTER

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Z007367

Sample Preparation Summary

Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	External Dilution Factor	Batch
Z007367-13										
Copper	EPA 200.8 R5.4	4/7/16 10:27 SSS	Bryan	A	50.0	mL	25.0	mL	2.5	M067282
Lead	EPA 200.8 R5.4	4/7/16 10:27 SSS	Bryan	A	50.0	mL	25.0	mL	2.5	M067282
Sample Acidified to pH<2 in Lab	N/A	4/6/16 14:20 CLL	Bryan	A	100	mL	100	mL	1	M067257
Turbidity	SM2130 B 2001	4/7/16 9:49 SSS	Bryan	A	10.0	mL	10.0	mL	1	M067280
Z007367-14										
Copper	EPA 200.8 R5.4	4/7/16 10:27 SSS	Bryan	A	50.0	mL	25.0	mL	2.5	M067282
Lead	EPA 200.8 R5.4	4/7/16 10:27 SSS	Bryan	A	50.0	mL	25.0	mL	2.5	M067282
Sample Acidified to pH<2 in Lab	N/A	4/6/16 14:20 CLL	Bryan	A	100	mL	100	mL	1	M067257
Turbidity	SM2130 B 2001	4/7/16 9:49 SSS	Bryan	A	10.0	mL	10.0	mL	1	M067280
Z007367-15										
Copper	EPA 200.8 R5.4	4/7/16 10:27 SSS	Bryan	A	50.0	mL	25.0	mL	2.5	M067282
Lead	EPA 200.8 R5.4	4/7/16 10:27 SSS	Bryan	A	50.0	mL	25.0	mL	2.5	M067282
Sample Acidified to pH<2 in Lab	N/A	4/6/16 14:20 CLL	Bryan	A	100	mL	100	mL	1	M067257
Turbidity	SM2130 B 2001	4/7/16 9:49 SSS	Bryan	A	10.0	mL	10.0	mL	1	M067280
Z007367-16										
Copper	EPA 200.8 R5.4	4/17/16 13:17 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067283
Lead	EPA 200.8 R5.4	4/17/16 13:17 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067283
Sample Acidified to pH<2 in Lab	N/A	4/6/16 14:20 CLL	Bryan	A	100	mL	100	mL	1	M067257
Turbidity	SM2130 B 2001	4/7/16 9:49 SSS	Bryan	A	10.0	mL	10.0	mL	1	M067280
Z007367-17										
Copper	EPA 200.8 R5.4	4/17/16 13:09 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067284
Lead	EPA 200.8 R5.4	4/17/16 13:09 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067284
Sample Acidified to pH<2 in Lab	N/A	4/6/16 14:20 CLL	Bryan	A	100	mL	100	mL	1	M067257
Turbidity	SM2130 B 2001	4/7/16 9:49 SSS	Bryan	A	10.0	mL	10.0	mL	1	M067280
Z007367-18										
Copper	EPA 200.8 R5.4	4/17/16 13:09 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067284
Lead	EPA 200.8 R5.4	4/17/16 13:09 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067284
Sample Acidified to pH<2 in Lab	N/A	4/6/16 14:20 CLL	Bryan	A	100	mL	100	mL	1	M067257
Turbidity	SM2130 B 2001	4/7/16 9:49 SSS	Bryan	A	10.0	mL	10.0	mL	1	M067280

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Z007367

Sample Preparation Summary

Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	External Dilution Factor	Batch
Z007367-19										
Copper	EPA 200.8 R5.4	4/17/16 13:09 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067284
Lead	EPA 200.8 R5.4	4/17/16 13:09 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067284
Sample Acidified to pH<2 in Lab	N/A	4/6/16 14:20 CLL	Bryan	A	100	mL	100	mL	1	M067257
Turbidity	SM2130 B 2001	4/7/16 9:49 SSS	Bryan	A	10.0	mL	10.0	mL	1	M067280
Z007367-20										
Copper	EPA 200.8 R5.4	4/17/16 13:09 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067284
Lead	EPA 200.8 R5.4	4/17/16 13:09 SSS	Bryan	A	10.0	mL	10.3	mL	1	M067284
Sample Acidified to pH<2 in Lab	N/A	4/6/16 14:20 CLL	Bryan	A	100	mL	100	mL	1	M067257
Turbidity	SM2130 B 2001	4/7/16 9:49 SSS	Bryan	A	10.0	mL	10.0	mL	1	M067280

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C-O-C # 1000271

NELAP ACCREDITED TNI LABORATORY

T10470437

V-0023 R00

Chain-of-Custody & Analysis Request

Client / Project Name: BRENHAM STATE SUPPORTED LIVING CENTER

* DEFINITIONS: DW - Drinking Water; NP - Non-Potable Water; S – Solid; CM – Custody Maintained; CTU – Custody Transfer Unbroken

LAB USE ONLY (initials CLL

Field Sample ID	Start Date / Time	End Date / Time	Composite Type	Sample Matrix*	Container Volume	Container Type	Sample Pres. +	Analysis Requested	Cooler ID	Bottle pH	Sub-contract	Lab ID #
LCR 001 - DS	04-05-2016 16:30	04-06-2016 08:20	FSD	DW	1 L	Plastic	1, 4*	Pb and Cu	None	see labdata		-01
LCR 002 - DS	04-05-2016 16:33	04-06-2016 08:22	FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				
LCR 003 - DS	04-05-2016 13:50	04-06-2016 08:40	FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				-0
LCR 004 - DS	04-05-2016 13:53	04-06-2016 08:43	FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				-0
LCR 005 - DS	04-05-2016 13:03	04-06-2016 09:03	FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				-05
LCR 006 - DS	04-05-2016 13:17	04-06-2016 09:06	FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				-06
LCR 007 - DS	04-05-2016 13:33	04-06-2016 09:24	FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				-07

2007367

By relinquishing the above samples to Aqua-Tech, the client agrees to the following terms. Samples will be analyzed by a method that is within Aqua-Tech Laboratories' NELAC fields of accreditation. Analytes requiring a certified method that is not within Aqua-Tech's fields of accreditation will be subcontracted to a NELAC certified lab that is certified for that method. Clients will be notified of the subcontract lab's details. Other analytes not requiring accreditation will be analyzed by a compendial method. If a specific method is required, the client will r the method in the "Analysis Requested" column. The client approves all method modifications documented by Aqua-Tech or the subcontract lab. A current list of Aqua-Tech's NELAC fields of accreditation and other methods are available on request.

Relinquished by: (print & sign)	Date	Time	Sample Info "X" all that apply	Rec'd by: (print & sign)	Date	Time	Sample In "X" all that a
☐ Client ☐ ATL Field ☒ Sampler FRED A. PORTER [signature]	04-06-2016		☐ Iced ☐ Chilled/Refrig ☐ Cust. Sealed ☒ Not Chilled	☐ Client ☐ ATL Field NA <ASL>			☐ Rec'd Chille ☐ Cond Good ☐ CTU * ☐ Iced in Tran
☐ Client ☐ ATL Field			☐ Iced ☐ Chilled/Refrig ☐ CM * ☐ Not Chilled	☐ Client ☐ ATL Field			☐ Rec'd Chille ☐ Cond Good ☐ CTU * ☐ Iced in Transit
☐ Client ☐ ATL Field arrival in Lab			☐ Iced ☐ Chilled/Refrig ☐ CM * ☐ Not Chilled	☒ Received in Lab Aaron Lira [signature] <CLL>	4-6-16	12:30	☐ Rec'd Iced ☐ Not Rec'd Iced ☒ CTU * ☒ Cond Good

Field Sample ID	Time	pH	D.O.	Cl_2	Flow
NA <ASL>					

Client Address and Phone # :

Client Comments:

Sample Pres. +				
pH Paper ID#:	1 ≤ 6 °C (not frozen)	2 = H_2SO_4	3 = HCl	4 = HNO_3
5 = $Na_2S_2O_3$	6 = NaOH	7 =	8 =	9 =

Laboratory Comments:

*Samples preserved in lab at 14:20 4/6/16 By CLL

(Line below documents condition at receipt in Laboratory by Sample Custodian. Lab location noted by check box at top of C-O-C.)

Cooler ID:	Temp °C:	CT	Therm ID:	Cooler ID:	Temp °C:	CT	Therm ID:
None	23.6 / 23.6		0692616		NFE/<ASL>		

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Austin, Texas 78735
Phone: (512) 301-9559
Email: corp@aqua-techlabs.com

C-O-C # 1000272

NELAP ACCREDITED TNI LABORATORY

T10470437

V-0023 R00

Page 14 of 15 Z007367 ATL 040816 FIN_Is FINAL 04 29 16 1405

Chain-of-Custody & Analysis Request

Client / Project Name: BRENHAM STATE SUPPORTED LIVING CENTER

* DEFINITIONS: DW - Drinking Water; NP - Non-Potable Water; S – Solid; CM – Custody Maintained; CTU – Custody Transfer Unbroken

LAB USE ONLY (initials CLL

Field Sample ID	Start Date / Time	End Date / Time	Composite Type	Sample Matrix*	Container Volume	Container Type	Sample Pres. +	Analysis Requested	Cooler ID	Bottle pH	Sub-contract	Lab ID #
LCR 008 - DS	04-05-2016 13:29	04-06-2016 09:26	FSD	DW	1 L	Plastic	1, 4*	Pb and Cu	None	See lab data		-08A ~~-01A~~
LCR 009 - DS	04-05-2016 14:56	04-06-2016 09:44	FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				-09A ~~-02A~~
LCR 010 - DS	04-05-2016 14:58	04-06-2016 09:47	FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				-10A
LCR 011 - DS	04-05-2016 14:35	04-06-2016 08:10	FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				-11A ~~-0~~
LCR 012 - DS	04-05-2016 14:32	04-06-2016 08:30	FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				-12A
LCR 013 - DS	04-05-2016 13:53	04-06-2016 08:33	FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				-13A
LCR 014 - DS	04-05-2016 13:55	04-06-2016 09:12	FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				-14A

2007367

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Relinquished by: (print & sign) ☐ Client ☐ ATL Field ☒ Sampler	Date	Time	Sample Info "X" all that apply	Rec'd by: (print & sign) ☐ Client ☐ ATL Field	Date	Time	Sample In "X" all that a
FRED A. PORTER [signature]	04-06-2016		☐ Iced ☐ Chilled/Refrig ☐ Cust. Sealed ☒ Not Chilled	NA CASL			☐ Rec'd Chill ☐ Cond Good ☐ CTU * ☐ Iced in Tra
Relinquished by: (print & sign) ☐ Client ☐ ATL Field	Date	Time	☐ Iced ☐ Chilled/Refrig ☐ CM * ☐ Not Chilled	Rec'd by: (print & sign) ☐ Client ☐ ATL Field	Date	Time	☐ Rec'd Chill ☐ Cond Good ☐ CTU * ☐ Iced in Transit
Relinquished by: (print & sign) ☐ Client ☐ ATL Field arrival in Lab	Date	Time	☐ Iced ☐ Chilled/Refrig ☐ CM * ☐ Not Chilled	Rec'd by: (print & sign) ☒ Received in Lab Aaron Lira [signature] <CLL>	Date 4/6/16	Time 12:30	☐ Rec'd Iced ☐ Not Rec'd Iced ☒ CTU * ☒ Cond Good

Field Sample ID	Time	pH	D.O.	Cl_2	Flow
NA CASL					

Client Address and Phone # :

Client Comments:

Sample Pres. +				
pH Paper ID#:	1 ≤ 6 °C (not frozen)	2 = H_2SO_4	3 = HCl	4 = HNO_3
5 = $Na_2S_2O_3$	6 = NaOH	7 =	8 =	9 =

Laboratory Comments:

*Samples preserved in lab at 14:20 4/6/16 By CLL

(*) (4) NE <CLL>

(Line below documents condition at receipt in Laboratory by Sample Custodian. Lab location noted by check box at top of C-O-C.)

Cooler ID:	Temp °C:	CT	Therm ID:	Cooler ID:	Temp °C:	CT	Therm ID:
None	23.6 / 23.6		0692616		NFE CASL		

Page 15 of 15 Z007367 ATL 040816 FIN_Is FINAL 04 29 16 1405

AQUA-TECH LABORATORIES, INC.

Chain-of-Custody & Analysis Request

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Email: corp@aqua-techlabs.com

C-O-C # 1000273

NELAP ACCREDITED TNI LABORATORY

T1047043

V-0023 R0

Client / Project Name: BRENHAM STATE SUPPORTED LIVING CENTER

* DEFINITIONS: DW - Drinking Water; NP - Non-Potable Water; S – Solid; CM – Custody Maintained; CTU – Custody Transfer Unbroken

LAB USE ONLY (initials CLL

Field Sample ID	Start Date / Time	End Date / Time	Composite Type	Sample Matrix*	Container Volume	Container Type	Sample Pres. +	Analysis Requested	Cooler ID	Bottle pH	Sub-contract	Lab ID #
LCR 015 - D.S.	04-05-2016 14:12	04-06-2016 09:12	FSD	DW	1 L	Plastic	1, 4*	Pb and Cu	None	See lab data		-15A
LCR 016 - D.S.	04-05-2016 14:15	04-06-2016 09:16	FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				-16A
LCR 017 - D.S.	04-05-2016 14:40	04-06-2016 09:32	FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				-17
LCR 018 - DS	04-05-2016 14:42	04-06-2016 09:35	FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				-18A
LCR 019 - DS	04-05-2016 14:02	04-06-2016 09:51	FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				-19A
LCR 020 - DS	04-05-2016 14:06	04-06-2016 09:53	FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				-20A
LCR			FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				

2007367

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Relinquished by: (print & sign) ☐Client ☐ATL Field ☒Sampler	Date	Time	Sample Info "X" all that apply	Rec'd by: (print & sign) ☐Client ☐ATL Field	Date	Time	Sample I "X" all that a
FRED A. PORTER [signature]	04-06-2016	12:30	☐ Iced ☐ Chilled/Refrig ☐ Cust. Sealed ☒ Not Chilled	NA<CLL>			☐ Rec'd Chil ☐ Cond Goo ☐ CTU * ☐ Iced in Tra
Relinquished by: (print & sign) ☐Client ☐ATL Field			☐ Iced ☐ Chilled/Refrig ☐ CM * ☐ Not Chilled	Rec'd by: (print & sign) ☐Client ☐ATL Field			☐ Rec'd Chil ☐ Cond Goo ☐ CTU * ☐ Iced in Transit
Relinquished by: (print & sign) ☐Client ☐ATL Field arrival in Lab			☐ Iced ☐ Chilled/Refrig ☐ CM * ☐ Not Chilled	Rec'd by: (print & sign) ☒Received in Lab Christy Longerier [signature]	4/6/16	12:30	☐ Rec'd Iced ☐ Not Rec'd Iced ☒ CTU * ☒ Cond Good

Field Sample ID	Time	pH	D.O.	Cl_2	Flow

NA<CLL>

Client Address and Phone # :

Client Comments:

Sample Pres. +				
pH Paper ID#:	1 ≤ 6 °C (not frozen)	2 = H_2SO_4	3 = HCl	4 = HNO_3
5 = $Na_2S_2O_3$	6 = NaOH	7 =	8 =	9 =

Laboratory Comments:

*Samples preserved in lab at 14:20 By CLL 4/6/16

(Line below documents condition at receipt in Laboratory by Sample Custodian. Lab location noted by check box at top of C-O-C.)

Cooler ID:	Temp °C: CT	Therm ID:	Cooler ID:	Temp °C: CT	Therm ID:
None	23.4 / 23.6	0692416		NF<CLL>	

Email information for report date:

5/13/16 11:42

Z009819

BRENHAM STATE SUPPORTED LIVING CENTER

Attn: Craig Harrelson

craig.harrelson@dads.state.tx.us

4001 HWY 36 SOUTH

BRENHAM, TX 77833

Lead & Copper sampling for 2016 is under way!

Let Aqua-Tech help you fulfill your state requirements. We are certified and ready to assist with sampling kits, analysis & online data retrieval. You can trust our experience and history of successful state reporting.

Call or email us today at samplingbryan@aqua-techlabs.com for more information or to set up an event.

Thank you for your business,
June M. Brien
Executive Technical Director

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Fax: (512) 301-9552

The analyses summarized in this report were performed by Aqua-Tech Laboratories, Inc. unless otherwise noted. Aqua-Tech Laboratories, Inc. holds accreditation from the State of Texas in accordance with TNI and/or through the TCEQ Drinking Water Commercial Laboratory Approval Program.

The following abbreviations indicate certification status:

NELAP Cert. T104704371

NEL	NELAC accredited parameter.
ANR	Accreditation not required by the State of Texas.
DWP	Accreditation through the TCEQ Drinking Water Commercial Laboratory Approval Program.
INF	Aqua-Tech Laboratories, Inc. is not accredited for this parameter. It is reported on an informational basis only.

Subcontracted data summarized in this report is indicated by "Sub" in the Lab column.

TCEQ DW Lab ID TX 239

General Definitions:

NR	Not Reported.
RPD	Relative Percent Difference.
% R	Percent Recovery.
dry	Results with the "dry" unit designation are reported on a "dry weight" basis.
SQL	The Sample Quantitation Limit is the value below which the parameter cannot reliably be detected. The SQL includes all sample preparations, dilutions and / or concentrations.
Adj MDL	The Adjusted Method Detection Limit is the MDL value adjusted for any sample dilutions or concentrations .
MDL	The Method Detection Limit is the lowest theoretical value that is statistically different from zero for a specific method, taking into account all preparation steps and instrument settings.

All samples are reported on an "as received" basis unless the designation "dry" is added to the reported unit.

Copies of Aqua-Tech Laboratories, Inc. procedures and individual sampling plans are available upon request. Note that samples are collected by Aqua-Tech Laboratories, Inc. personnel unless otherwise noted in the "Sample Collected" field of this report as "Client" or "CLT".

Samples included in this report were received in acceptable condition according to Aqua-Tech Laboratories, Inc. procedures and 40 CFR, Chapter I, Subchapter D, Part 136.3, TABLE II. - *Required containers, preservation techniques, and holding times*, unless otherwise noted in this report.

Record Retention:

All reports, raw data, and associated quality control data are kept on file for 10 years before being destroyed. Any client that would like copies of records must contact Aqua-Tech Laboratories, Inc. no later than six months prior to the scheduled disposal. An administrative fee for retrieval and distribution will apply.

This report was approved by:

June M. Brien, Technical Director

The results in this report apply only to the samples analyzed. This analytical report must be reproduced in its entirety unless written permission is granted by Aqua-Tech Laboratories, Inc.

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Analytical Report

BRENHAM STATE SUPPORTED LIVING CENTER

Report Printed: **5/13/16** **11:42**

Z009819

LCR001 (Kitchen)

Collected: 05/10/16 00:45 by CLIENT
Received: 05/10/16 08:11 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* 1000499

Lab ID# Z009819-01	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Lead	**0.0421**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/12/16 16:11 JRB	EPA 200.8 R5.4	M068249	*NEL*

Z009819-01 - re-analysis	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.150**	mg/L		0.000060	0.000060	0.000824	*Bryan*	05/12/16 16:17 JRB	EPA 200.8 R5.4	M068249	*NEL*

LCR002 (Kitchen)

Collected: 05/10/16 00:48 by CLIENT
Received: 05/10/16 08:11 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* 1000499

Lab ID# Z009819-02	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Lead	**0.00231**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/12/16 16:22 JRB	EPA 200.8 R5.4	M068249	*NEL*

Z009819-02 - re-analysis	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.0206**	mg/L		0.000060	0.000060	0.000824	*Bryan*	05/12/16 16:28 JRB	EPA 200.8 R5.4	M068249	*NEL*

Boiler

Collected: 05/10/16 06:18 by CLIENT
Received: 05/10/16 08:11 by Christy Longcrier

Type Grab | *Matrix* Drinking Water | *C-O-C #* 1000499

Lab ID# Z009819-03	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.518**	mg/L	C-02	0.000036	0.000036	0.000500	*Bryan*	05/12/16 18:31 JRB	EPA 200.8 R5.4	M068234	*NEL*
Lead	**0.153**	mg/L	C-02	0.000006	0.000006	0.000500	*Bryan*	05/12/16 18:31 JRB	EPA 200.8 R5.4	M068234	*NEL*

Explanation of Notes

A-01	Analyst ran standard instead of blank (99.5% recovery). Run accepted on passing bracketing blanks.
B	Analyte is found in the associated blank as well as in the sample.
C-02	Result confirmed by re-analysis.
ICP-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
J	Analyte detected below the SQL but above the MDL.

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Analytical Report

BRENHAM STATE SUPPORTED LIVING CENTER

Report Printed: **5/13/16** **11:42**

Z009819

Metals (Total) - Quality Control

	Result	Units	Notes	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch
Copper - EPA 200.8 R5.4												*Bryan*
Blank	<0.000412	mg/L		0.000412	05/12/16 15:42 JRB							M068249
LCS	0.00569	mg/L		0.000416	05/12/16 15:47 JRB	0.00500		114	84.5 - 115.4			M068249
LCS Dup	0.00564	mg/L		0.000416	05/12/16 15:53 JRB	0.00500		113	84.5 - 115.4	0.867	20	M068249
Duplicate	0.155	mg/L		0.000412	05/12/16 15:59 JRB		0.157			1.60	20	M068249
Matrix Spike	0.157	mg/L	*ICP-4X*	0.000416	05/12/16 16:05 JRB	0.00500	0.157	*-1.69*	69.5 - 130.4			M068249
Blank	<0.000500	mg/L	*J (0.000365)*	0.000500	05/12/16 17:33 JRB							M068234
LCS	0.00521	mg/L		0.000500	05/12/16 17:39 JRB	0.00500		104	84.5 - 115.4			M068234
LCS Dup	0.00532	mg/L		0.000500	05/12/16 17:45 JRB	0.00500		106	84.5 - 115.4	2.04	20	M068234
Duplicate	0.590	mg/L		0.000500	05/12/16 18:08 JRB		0.518			12.9	20	M068234
Matrix Spike	0.556	mg/L	*ICP-4X*	0.000500	05/12/16 18:26 JRB	0.00500	0.518	*757*	69.5 - 130.4			M068234
Lead - EPA 200.8 R5.4												*Bryan*
Blank	<0.000412	mg/L	*J (0.000006)*	0.000412	05/12/16 15:42 JRB							M068249
LCS	0.00529	mg/L		0.000416	05/12/16 15:47 JRB	0.00500		106	84.5 - 115.4			M068249
LCS Dup	0.00520	mg/L		0.000416	05/12/16 15:53 JRB	0.00500		104	84.5 - 115.4	1.72	20	M068249
Duplicate	0.0407	mg/L		0.000412	05/12/16 15:59 JRB		0.0421			3.33	20	M068249
Matrix Spike	0.0451	mg/L	*ICP-4X*	0.000416	05/12/16 16:05 JRB	0.00500	0.0421	*59.7*	69.5 - 130.4			M068249
Blank	<0.000500	mg/L	*J (0.000054)*	0.000500	05/12/16 17:33 JRB							M068234
LCS	0.00515	mg/L		0.000500	05/12/16 17:39 JRB	0.00500		103	84.5 - 115.4			M068234
LCS Dup	0.00525	mg/L		0.000500	05/12/16 17:45 JRB	0.00500		105	84.5 - 115.4	1.91	20	M068234
Duplicate	0.153	mg/L		0.000500	05/12/16 18:08 JRB		0.153			0.484	20	M068234
Matrix Spike	0.166	mg/L	*ICP-4X*	0.000500	05/12/16 18:26 JRB	0.00500	0.153	*269*	69.5 - 130.4			M068234

Preparation Procedures - Quality Control

	Result	Units	Notes	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch

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Analytical Report

BRENHAM STATE SUPPORTED LIVING CENTER

Report Printed: **5/13/16** **11:42**

Z009819

Preparation Procedures - Quality Control

	Result	Units	Notes	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch
Turbidity - SM2130 B 2001												*Bryan*
Blank	<1.0	NTU		1.0	05/11/16 09:21 AJL							M068193
Duplicate	<1.0	NTU		1.0	05/11/16 09:21 AJL		<1.0				16	M068193
Blank	*20*	NTU	*A-01*	1.0	05/11/16 09:21 AJL							M068192
Duplicate	<1.0	NTU	*B (0.6)*	1.0	05/11/16 09:21 AJL		<1.0				16	M068192
Initial Cal Check	3.8	NTU		1.00	05/11/16 09:21 AJL	4.20		89.5	85 - 115			1605072
Initial Cal Check	3.6	NTU		1.00	05/12/16 08:31 AJL	4.20		86.7	85 - 115			1605079

Sample Preparation Summary

Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	External Dilution Factor	Batch
Z009819-01										
Lead	EPA 200.8 R5.4	5/12/16 13:39 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068249
Sample Acidified to pH<2 in Lab	N/A	5/10/16 9:50 CLL	Bryan	A	100	mL	100	mL	1	M068144
Turbidity	SM2130 B 2001	5/11/16 9:11 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068193
Z009819-02										
Lead	EPA 200.8 R5.4	5/12/16 13:39 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068249
Sample Acidified to pH<2 in Lab	N/A	5/10/16 9:50 CLL	Bryan	A	100	mL	100	mL	1	M068144
Turbidity	SM2130 B 2001	5/11/16 9:11 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068193
Z009819-03										
Copper	EPA 200.8 R5.4	5/12/16 9:19 SSS	Bryan	A	50.0	mL	25.0	mL	2.5	M068234
Lead	EPA 200.8 R5.4	5/12/16 9:19 SSS	Bryan	A	50.0	mL	25.0	mL	2.5	M068234
Sample Acidified to pH<2 in Lab	N/A	5/10/16 9:50 CLL	Bryan	A	100	mL	100	mL	1	M068144
Turbidity	SM2130 B 2001	5/11/16 9:21 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068192

Page 5 of 5 Z009819_2 ATL 040816 FIN_Is 05 13 16 1142

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Chain-of-Custody & Analysis Request

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Phone: (512) 301-9559
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C-O-C # 1000499

NELAP ACCREDITED TNI LABORATORY

T1047043

V-0023 R0

Client / Project Name: BSSLC WATGROFF JMB

* DEFINITIONS: DW - Drinking Water; NP - Non-Potable Water; S – Solid; CM – Custody Maintained; CTU – Custody Transfer Unbroken

LAB USE ONLY (initials CLL

Field Sample ID	~~Start~~ Date / Time	~~End~~ Date / Time	Composite Type	Sample Matrix*	Container Volume	Container Type	Sample Pres. +	Analysis Requested	Cooler ID	Bottle pH	Sub-contract	Lab ID
LCR 001	05-09-2016 16:45	05-10-2016 12:45	FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				-01 A
LCR 002	05-09-2016 16:45	05-10-2016 12:48	FSD	DW	1 L	Plastic	1, 4*	Pb and Cu	none	NA		2009819-
~~LCR~~ MECCLL? Boiler	5-10-16 6:05	5-10-16 6:18	FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				-0 -0
LCR			FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				
LCR			FSD	DW	1 L	Plastic	1, 4*	Pb and Cu			NFE<CLL>	
LCR			FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				
LCR			FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				

By relinquishing the above samples to Aqua-Tech, the client agrees to the following terms. Samples will be analyzed by a method that is within Aqua-Tech Laboratories' NELAC fields of accreditation. Analytes requiring a certified method that is not within Aqua-Tech's fields of accreditation will be subcontracted to a NELAC certified lab that is certified for that method. Clients will be notified of the subcontract lab's details. Other analytes not requiring accreditation will be analyzed by a compendial method. If a specific method is required, the client wi the method in the "Analysis Requested" column. The client approves all method modifications documented by Aqua-Tech or the subcontract lab. A current list of Aqua-Tech's NELAC fields of accreditation and other methods are available on request.

Relinquished by: (print & sign) ☐Client ☐ATL Field ☒Sampler	Date	Time	Sample Info "X" all that apply	Rec'd by: (print & sign) ☐Client ☐ATL Field	Date	Time	Sample "X" all that
FRED A. PORTER [signature]	5-10-2016	13:33	☐ Iced ☐ Chilled/Refrig ☐ Cust. Sealed ☐ Not Chilled	Craig Harrelson	5-10-2016	6:00AM	☐ Rec'd Ch ☐ Cond Go ☐ CTU * ☐ Iced in Transit
Relinquished by: (print & sign) ☐Client ☐ATL Field	Date	Time	☐ Iced ☐ Chilled/Refrig ☐ CM * ☐ Not Chilled	Rec'd by: (print & sign) ☐Client ☐ATL Field NA<CLL>	Date	Time	☐ Rec'd Chilled ☐ Cond Good ☐ CTU * ☐ Iced in Transit
Relinquished by: (print & sign) ☐Client ☐ATL Field arrival in Lab Craig Harrelson CRAIG HARRELSON	Date 5-10-16	Time 8:11	☐ Iced ☐ Chilled/Refrig ☐ CM * ☐ Not Chilled	Rec'd by: (print & sign) ☒Received in Lab Christy Longcrier [signature]	Date 5-10-16	Time 8:11	☐ Rec'd Iced ☐ Not Rec'd Iced ☐ CTU * ☐ Cond Good

Field Sample ID	Time	pH	D.O.	Cl_2	Flow

NA<CLL>

Client Address and Phone # :

Client Comments:

Sample Pres. +				
pH Paper ID#:	1 NOT ICED JMB ~~≤6 °C (not frozen)~~	2 = H_2SO_4	3 = HCl	4 = HNO_3
5 = $Na_2S_2O_3$	6 = NaOH	7 =	8 =	9 =

Laboratory Comments:

*Samples preserved in lab at 5/10/16 9:50 By CLL

(Line below documents condition at receipt in Laboratory by Sample Custodian. Lab location noted by check box at top of C-O-C.)

Cooler ID:	Temp °C: CT	Therm ID:	Cooler ID:	Temp °C: CT	Therm ID:
none	19.6 / 19.6	0703085		NFE/<CLL>	

Rev JMB 5/10/16

Email information for report date:

5/31/16 15:39

Z009607

BRENHAM STATE SUPPORTED LIVING CENTER

Attn: Craig Harrelson

craig.harrelson@dads.state.tx.us

4001 HWY 36 SOUTH

BRENHAM, TX 77833

Lead & Copper sampling for 2016 is under way!

Let Aqua-Tech help you fulfill your state requirements. We are certified and ready to assist with sampling kits, analysis & online data retrieval. You can trust our experience and history of successful state reporting.

Call or email us today at samplingbryan@aqua-techlabs.com for more information or to set up an event.

Thank you for your business,
June M. Brien
Executive Technical Director

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The analyses summarized in this report were performed by Aqua-Tech Laboratories, Inc. unless otherwise noted. Aqua-Tech Laboratories, Inc. holds accreditation from the State of Texas in accordance with TNI and/or through the TCEQ Drinking Water Commercial Laboratory Approval Program.

The following abbreviations indicate certification status:

NELAP Cert. T104704371

NEL	NELAC accredited parameter.
ANR	Accreditation not required by the State of Texas.
DWP	Accreditation through the TCEQ Drinking Water Commercial Laboratory Approval Program.
INF	Aqua-Tech Laboratories, Inc. is not accredited for this parameter. It is reported on an informational basis only.

Subcontracted data summarized in this report is indicated by "Sub" in the Lab column.

TCEQ DW Lab ID TX 239

General Definitions:

NR	Not Reported.
RPD	Relative Percent Difference.
% R	Percent Recovery.
dry	Results with the "dry" unit designation are reported on a "dry weight" basis.
SQL	The Sample Quantitation Limit is the value below which the parameter cannot reliably be detected. The SQL includes all sample preparations, dilutions and / or concentrations.
Adj MDL	The Adjusted Method Detection Limit is the MDL value adjusted for any sample dilutions or concentrations .
MDL	The Method Detection Limit is the lowest theoretical value that is statistically different from zero for a specific method, taking into account all preparation steps and instrument settings.

All samples are reported on an "as received" basis unless the designation "dry" is added to the reported unit.

Copies of Aqua-Tech Laboratories, Inc. procedures and individual sampling plans are available upon request. Note that samples are collected by Aqua-Tech Laboratories, Inc. personnel unless otherwise noted in the "Sample Collected" field of this report as "Client" or "CLT".

Samples included in this report were received in acceptable condition according to Aqua-Tech Laboratories, Inc. procedures and 40 CFR, Chapter I, Subchapter D, Part 136.3, TABLE II. - *Required containers, preservation techniques, and holding times*, unless otherwise noted in this report.

Record Retention:

All reports, raw data, and associated quality control data are kept on file for 10 years before being destroyed. Any client that would like copies of records must contact Aqua-Tech Laboratories, Inc. no later than six months prior to the scheduled disposal. An administrative fee for retrieval and distribution will apply.

This report was approved by:

June M. Brien, Technical Director

The results in this report apply only to the samples analyzed. This analytical report must be reproduced in its entirety unless written permission is granted by Aqua-Tech Laboratories, Inc.

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Analytical Report

BRENHAM STATE SUPPORTED LIVING CENTER

Report Printed: **5/31/16** **15:39**

Z009607

Brenham SSLC FSD - BLD 510 RM 101 Sink

Collected: 05/09/16 08:09 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-01

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.120**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/22/16 20:41 JRB	EPA 200.8 R5.4	M068480	*NEL*
Lead	**0.00663**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/22/16 20:41 JRB	EPA 200.8 R5.4	M068480	*NEL*

Brenham SSLC Grab - BLD 510 RM 101 Sink

Collected: 05/09/16 08:12 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type Grab | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-02

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.0147**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/22/16 20:45 JRB	EPA 200.8 R5.4	M068480	*NEL*
Lead	**<0.000412**	mg/L	J (0.000382)	0.000005	0.000005	0.000412	*Bryan*	05/22/16 20:45 JRB	EPA 200.8 R5.4	M068480	*NEL*

Brenham SSLC FSD - BLD 518 RM 139 Mop Sink

Collected: 05/09/16 08:23 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-03

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.853**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/22/16 20:49 JRB	EPA 200.8 R5.4	M068480	*NEL*
Lead	**0.351**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/22/16 20:49 JRB	EPA 200.8 R5.4	M068480	*NEL*

Brenham SSLC Grab - BLD 518 RM 139 Mop Sink

Collected: 05/09/16 08:26 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type Grab | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-04

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.0320**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/22/16 20:54 JRB	EPA 200.8 R5.4	M068480	*NEL*
Lead	**0.000678**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/22/16 20:54 JRB	EPA 200.8 R5.4	M068480	*NEL*

Brenham SSLC FSD - BLD 518 RM 139 Restroom

Collected: 05/09/16 08:31 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-05

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.415**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/22/16 20:58 JRB	EPA 200.8 R5.4	M068480	*NEL*
Lead	**0.0582**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/22/16 20:58 JRB	EPA 200.8 R5.4	M068480	*NEL*

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Analytical Report

BRENHAM STATE SUPPORTED LIVING CENTER

Report Printed: **5/31/16** **15:39**

Z009607

Brenham SSLC Grab - BLD 517 RM 110 Restroom

Collected: 05/09/16 08:34 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type Grab | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-06

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.477**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/22/16 21:15 JRB	EPA 200.8 R5.4	M068480	*NEL*
Lead	**0.000829**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/22/16 21:15 JRB	EPA 200.8 R5.4	M068480	*NEL*

Brenham SSLC FSD - BLD 529 RM 116 Women's Restroom

Collected: 05/09/16 08:45 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-07

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**2.73**	mg/L		0.000145	0.000145	0.00250	*Bryan*	05/23/16 19:02 JRB	EPA 200.8 R5.4	M068272	*NEL*
Lead	**0.332**	mg/L		0.000006	0.000006	0.000500	*Bryan*	05/22/16 18:36 JRB	EPA 200.8 R5.4	M068272	*NEL*

Brenham SSLC Grab - BLD 529 RM 116 Women's Restroom

Collected: 05/09/16 08:48 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type Grab | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-08

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.0380**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/23/16 20:45 JRB	EPA 200.8 R5.4	M068480	*NEL*
Lead	**<0.000412**	mg/L	J (0.000318)	0.000005	0.000005	0.000412	*Bryan*	05/22/16 21:19 JRB	EPA 200.8 R5.4	M068480	*NEL*

Brenham SSLC FSD - BLD 529 RM 102 Kitchenette

Collected: 05/09/16 08:50 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-09

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.690**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/22/16 21:24 JRB	EPA 200.8 R5.4	M068480	*NEL*

Z009607-09 - re-analysis

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Lead	**0.948**	mg/L		0.000026	0.000026	0.00206	*Bryan*	05/23/16 21:41 JRB	EPA 200.8 R5.4	M068519	*NEL*

Brenham SSLC Grab - BLD 529 RM 102 Kitchenette

Collected: 05/09/16 08:53 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type Grab | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-10

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.0124**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/22/16 21:28 JRB	EPA 200.8 R5.4	M068480	*NEL*
Lead	**0.000648**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/22/16 21:28 JRB	EPA 200.8 R5.4	M068480	*NEL*

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Analytical Report

BRENHAM STATE SUPPORTED LIVING CENTER

Report Printed: **5/31/16** **15:39**

Z009607

Brenham SSLC FSD - BLD 501 RM 140 Kitchenette

Collected: 05/09/16 09:00 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-11

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**1.66**	mg/L		0.000145	0.000145	0.00250	*Bryan*	05/23/16 19:06 JRB	EPA 200.8 R5.4	M068272	*NEL*
Lead	**0.119**	mg/L		0.000006	0.000006	0.000500	*Bryan*	05/22/16 18:40 JRB	EPA 200.8 R5.4	M068272	*NEL*

Brenham SSLC Grab - BLD 501 RM 140 Kitchenette

Collected: 05/09/16 09:03 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type Grab | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-12

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.217**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/22/16 21:32 JRB	EPA 200.8 R5.4	M068480	*NEL*
Lead	**0.000866**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/22/16 21:32 JRB	EPA 200.8 R5.4	M068480	*NEL*

Brenham SSLC FSD - BLD 502 RM 163 Therapy Room

Collected: 05/09/16 09:14 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-13

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Lead	**0.0576**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/22/16 22:11 JRB	EPA 200.8 R5.4	M068481	*NEL*

Z009607-13 - re-analysis

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**1.34**	mg/L		0.000149	0.000149	0.00258	*Bryan*	05/30/16 21:58 JRB	EPA 200.8 R5.4	M068519	*NEL*

Brenham SSLC Grab - BLD 502 RM 163 Therapy Room

Collected: 05/09/16 09:17 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type Grab | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-14

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.280**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/22/16 22:16 JRB	EPA 200.8 R5.4	M068481	*NEL*
Lead	**0.000900**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/22/16 22:16 JRB	EPA 200.8 R5.4	M068481	*NEL*

Brenham SSLC FSD - BLD 502 RM 130 Handwash Sink

Collected: 05/09/16 09:23 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-15

Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch

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Z009607-15 - re-analysis	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**3.68**	mg/L		0.000149	0.000149	0.00258	*Bryan*	05/30/16 22:07 JRB	EPA 200.8 R5.4	M068519	*NEL*
Lead	**0.800**	mg/L		0.000026	0.000026	0.00206	*Bryan*	05/23/16 21:50 JRB	EPA 200.8 R5.4	M068519	*NEL*

Brenham SSLC Grab - BLD 502 RM 130 Handwash Sink
Lab ID# Z009607-16

Collected: 05/09/16 09:26 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type	*Matrix*	*C-O-C #*
Grab	Drinking Water	Z009607

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.134**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/22/16 22:24 JRB	EPA 200.8 R5.4	M068481	*NEL*
Lead	**0.00183**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/22/16 22:24 JRB	EPA 200.8 R5.4	M068481	*NEL*

Brenham SSLC FSD - BLD 502 RM 146 Pharmacy
Lab ID# Z009607-17

Collected: 05/09/16 09:30 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type	*Matrix*	*C-O-C #*
FSD	Drinking Water	Z009607

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Lead	**0.0356**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/22/16 22:28 JRB	EPA 200.8 R5.4	M068481	*NEL*

Z009607-17 - re-analysis	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**1.36**	mg/L		0.000149	0.000149	0.00258	*Bryan*	05/30/16 22:15 JRB	EPA 200.8 R5.4	M068519	*NEL*

Brenham SSLC Grab - BLD 502 RM 146 Pharmacy
Lab ID# Z009607-18

Collected: 05/09/16 09:33 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type	*Matrix*	*C-O-C #*
Grab	Drinking Water	Z009607

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.0832**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/22/16 22:33 JRB	EPA 200.8 R5.4	M068481	*NEL*
Lead	**0.000584**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/22/16 22:33 JRB	EPA 200.8 R5.4	M068481	*NEL*

Brenham SSLC FSD - BLD 502 RM 198 Men's Restroom
Lab ID# Z009607-19

Collected: 05/09/16 09:41 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type	*Matrix*	*C-O-C #*
FSD	Drinking Water	Z009607

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.117**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/22/16 22:37 JRB	EPA 200.8 R5.4	M068481	*NEL*
Lead	**0.00847**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/22/16 22:37 JRB	EPA 200.8 R5.4	M068481	*NEL*

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Analytical Report

BRENHAM STATE SUPPORTED LIVING CENTER

Report Printed: **5/31/16** **15:39**

Z009607

Brenham SSLC Grab - BLD 502 RM 198 Men's Restroom

Collected: 05/09/16 09:44 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type Grab | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-20

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.0224**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/22/16 22:41 JRB	EPA 200.8 R5.4	M068481	*NEL*
Lead	**<0.000412**	mg/L	J (0.000396)	0.000005	0.000005	0.000412	*Bryan*	05/22/16 22:41 JRB	EPA 200.8 R5.4	M068481	*NEL*

Brenham SSLC FSD - BLD 507 RM 183 Restroom

Collected: 05/09/16 09:56 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-21

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Lead	**0.110**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/22/16 22:46 JRB	EPA 200.8 R5.4	M068481	*NEL*

Z009607-21 - re-analysis

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**1.39**	mg/L		0.000149	0.000149	0.00258	*Bryan*	05/30/16 22:23 JRB	EPA 200.8 R5.4	M068519	*NEL*

Brenham SSLC Grab - BLD 507 RM 183 Restroom

Collected: 05/09/16 09:59 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type Grab | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-22

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.0641**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/22/16 22:50 JRB	EPA 200.8 R5.4	M068481	*NEL*
Lead	**0.000664**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/22/16 22:50 JRB	EPA 200.8 R5.4	M068481	*NEL*

Brenham SSLC FSD - BLD 507 RM 164 Restroom

Collected: 05/09/16 10:04 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-23

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.547**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/22/16 23:29 JRB	EPA 200.8 R5.4	M068482	*NEL*

Z009607-23 - re-analysis

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Lead	**0.697**	mg/L		0.000026	0.000026	0.00206	*Bryan*	05/23/16 22:03 JRB	EPA 200.8 R5.4	M068519	*NEL*

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Z009607

Brenham SSLC Grab - BLD 507 RM 164 Restroom

Collected: 05/09/16 10:07 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type Grab | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-24

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.0320**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/22/16 23:33 JRB	EPA 200.8 R5.4	M068482	*NEL*
Lead	**0.00269**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/22/16 23:33 JRB	EPA 200.8 R5.4	M068482	*NEL*

Brenham SSLC FSD - BLD 503 RM 1098 Restroom

Collected: 05/09/16 10:20 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-25

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Lead	**0.0324**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/22/16 23:38 JRB	EPA 200.8 R5.4	M068482	*NEL*

Z009607-25 - re-analysis

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**1.09**	mg/L		0.000149	0.000149	0.00258	*Bryan*	05/30/16 22:40 JRB	EPA 200.8 R5.4	M068519	*NEL*

Brenham SSLC Grab - BLD 503 RM 1098 Restroom

Collected: 05/09/16 10:23 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type Grab | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-26

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.0777**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/22/16 23:42 JRB	EPA 200.8 R5.4	M068482	*NEL*
Lead	**0.00116**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/22/16 23:42 JRB	EPA 200.8 R5.4	M068482	*NEL*

Brenham SSLC FSD - BLD 503 RM 1118 Kitchenette

Collected: 05/09/16 10:28 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-27

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.659**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/22/16 23:46 JRB	EPA 200.8 R5.4	M068482	*NEL*
Lead	**0.0858**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/22/16 23:46 JRB	EPA 200.8 R5.4	M068482	*NEL*

Brenham SSLC Grab - BLD 503 RM 1118 Kitchenette

Collected: 05/09/16 10:31 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type Grab | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-28

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.0442**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/23/16 00:04 JRB	EPA 200.8 R5.4	M068482	*NEL*
Lead	**<0.000412**	mg/L	J (0.000267)	0.000005	0.000005	0.000412	*Bryan*	05/23/16 00:04 JRB	EPA 200.8 R5.4	M068482	*NEL*

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Brenham SSLC FSD - BLD 503 RM 1129 Kitchenette

Collected: 05/09/16 10:36 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-29

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**1.17**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/23/16 00:08 JRB	EPA 200.8 R5.4	M068482	*NEL*
Lead	**0.232**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/23/16 00:08 JRB	EPA 200.8 R5.4	M068482	*NEL*

Brenham SSLC Grab - BLD 503 RM 1129 Kitchenette

Collected: 05/09/16 10:39 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type Grab | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-30

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.0516**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/23/16 00:12 JRB	EPA 200.8 R5.4	M068482	*NEL*
Lead	**<0.000412**	mg/L	J (0.000224)	0.000005	0.000005	0.000412	*Bryan*	05/23/16 00:12 JRB	EPA 200.8 R5.4	M068482	*NEL*

Brenham SSLC FSD - BLD 503 RM 1172 Kitchen

Collected: 05/09/16 10:45 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-31

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.517**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/23/16 00:17 JRB	EPA 200.8 R5.4	M068482	*NEL*
Lead	**0.00988**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/23/16 00:17 JRB	EPA 200.8 R5.4	M068482	*NEL*

Brenham SSLC Grab - BLD 503 RM 1172 Kitchen

Collected: 05/09/16 10:48 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type Grab | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-32

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.0117**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/23/16 00:21 JRB	EPA 200.8 R5.4	M068482	*NEL*
Lead	**0.000480**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/23/16 00:21 JRB	EPA 200.8 R5.4	M068482	*NEL*

Brenham SSLC FSD - BLD 503 RM 1005 Restroom

Collected: 05/09/16 10:52 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-33

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.182**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/23/16 01:21 JRB	EPA 200.8 R5.4	M068483	*NEL*
Lead	**0.0386**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/23/16 01:21 JRB	EPA 200.8 R5.4	M068483	*NEL*

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Brenham SSLC Grab - BLD 503 RM 1005 Restroom

Collected: 05/09/16 10:55 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type Grab | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-34

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.0150**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/23/16 01:26 JRB	EPA 200.8 R5.4	M068483	*NEL*
Lead	**<0.000412**	mg/L	J (0.000325)	0.000005	0.000005	0.000412	*Bryan*	05/23/16 01:26 JRB	EPA 200.8 R5.4	M068483	*NEL*

Brenham SSLC FSD - BLD 503 RM 1048 Kitchenette

Collected: 05/09/16 11:00 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-35

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.456**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/23/16 01:30 JRB	EPA 200.8 R5.4	M068483	*NEL*
Lead	**0.0784**	mg/L		0.000005	0.000005	0.000412	*Bryan*	05/23/16 01:30 JRB	EPA 200.8 R5.4	M068483	*NEL*

Brenham SSLC Grab - BLD 503 RM 1048 Kitchenette

Collected: 05/09/16 11:03 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type Grab | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-36

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.0483**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/23/16 01:35 JRB	EPA 200.8 R5.4	M068483	*NEL*
Lead	**<0.000412**	mg/L	J (0.000373)	0.000005	0.000005	0.000412	*Bryan*	05/23/16 01:35 JRB	EPA 200.8 R5.4	M068483	*NEL*

Brenham SSLC FSD - BLD 503 RM 1063 Kitchenette

Collected: 05/09/16 11:06 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-37

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.781**	mg/L		0.000036	0.000036	0.000625	*Bryan*	05/22/16 18:44 JRB	EPA 200.8 R5.4	M068272	*NEL*
Lead	**0.236**	mg/L		0.000006	0.000006	0.000500	*Bryan*	05/22/16 18:44 JRB	EPA 200.8 R5.4	M068272	*NEL*

Brenham SSLC Grab - BLD 503 RM 1063 Kitchenette

Collected: 05/09/16 11:09 by Jefre Foust
Received: 05/09/16 12:30 by Christy Longcrier

Type Grab | *Matrix* Drinking Water | *C-O-C #* Z009607

Lab ID# Z009607-38

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.0376**	mg/L		0.000030	0.000030	0.000515	*Bryan*	05/23/16 01:39 JRB	EPA 200.8 R5.4	M068483	*NEL*
Lead	**<0.000412**	mg/L	J (0.000192)	0.000005	0.000005	0.000412	*Bryan*	05/23/16 01:39 JRB	EPA 200.8 R5.4	M068483	*NEL*

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Explanation of Notes

A-01	Analyst ran standard instead of blank (99.5% recovery). Run accepted on passing bracketing blanks.
B	Analyte is found in the associated blank as well as in the sample.
ICP-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
J	Analyte detected below the SQL but above the MDL.

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Metals (Total) - Quality Control

	Result	Units	Notes	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch
Copper - EPA 200.8 R5.4												*Bryan*
Blank	<0.000625	mg/L	*J (0.000315)*	0.000625	05/22/16 17:53 JRB							M068272
LCS	0.00552	mg/L		0.000625	05/22/16 17:57 JRB	0.00500		110	84.5 - 115.4			M068272
Blank	<0.000515	mg/L	*J (0.000064)*	0.000515	05/22/16 20:19 JRB							M068480
LCS	0.00553	mg/L		0.000520	05/22/16 20:23 JRB	0.00500		111	84.5 - 115.4			M068480
LCS Dup	0.00574	mg/L		0.000520	05/22/16 20:28 JRB	0.00500		115	84.5 - 115.4	3.77	20	M068480
Duplicate	0.127	mg/L		0.000515	05/22/16 20:32 JRB		0.120			5.40	20	M068480
Matrix Spike	0.132	mg/L	*ICP-4X*	0.000520	05/22/16 20:36 JRB	0.00500	0.120	*244*	69.5 - 130.4			M068480
Blank	<0.000515	mg/L		0.000515	05/22/16 21:37 JRB							M068481
LCS	0.00537	mg/L		0.000520	05/22/16 21:41 JRB	0.00500		107	84.5 - 115.4			M068481
LCS Dup	0.00548	mg/L		0.000520	05/22/16 21:45 JRB	0.00500		110	84.5 - 115.4	2.07	20	M068481
Duplicate	1.23	mg/L		0.000515	05/22/16 21:50 JRB		1.13			8.18	20	M068481
Matrix Spike	1.25	mg/L	*ICP-4X*	0.000520	05/22/16 21:54 JRB	0.00500	1.13	*2330*	69.5 - 130.4			M068481
Blank	<0.000515	mg/L	*J (0.000037)*	0.000515	05/22/16 23:07 JRB							M068482
LCS	0.00538	mg/L		0.000520	05/22/16 23:12 JRB	0.00500		108	84.5 - 115.4			M068482
LCS Dup	0.00541	mg/L		0.000520	05/22/16 23:16 JRB	0.00500		108	84.5 - 115.4	0.528	20	M068482
Duplicate	0.562	mg/L		0.000515	05/22/16 23:20 JRB		0.547			2.61	20	M068482
Matrix Spike	0.560	mg/L	*ICP-4X*	0.000520	05/22/16 23:25 JRB	0.00500	0.547	*256*	69.5 - 130.4			M068482
Blank	<0.000515	mg/L		0.000515	05/23/16 00:25 JRB							M068483
LCS	0.00540	mg/L		0.000520	05/23/16 00:30 JRB	0.00500		108	84.5 - 115.4			M068483
LCS Dup	0.00549	mg/L		0.000520	05/23/16 00:34 JRB	0.00500		110	84.5 - 115.4	1.60	20	M068483
Duplicate	0.329	mg/L		0.000515	05/23/16 00:38 JRB		0.322			2.14	20	M068483
Matrix Spike	0.337	mg/L	*ICP-4X*	0.000520	05/23/16 00:43 JRB	0.00500	0.322	*312*	69.5 - 130.4			M068483
LCS Dup	0.00524	mg/L		0.000625	05/23/16 18:28 JRB	0.00500		105	84.5 - 115.4	5.14	20	M068272
Duplicate	2.78	mg/L		0.00250	05/23/16 18:32 JRB		2.73			1.58	20	M068272
Matrix Spike	2.74	mg/L	*ICP-4X*	0.00250	05/23/16 18:58 JRB	0.00500	2.73	*201*	69.5 - 130.4			M068272
Blank	<0.000515	mg/L		0.000515	05/30/16 20:18 JRB							M068519
LCS	0.00539	mg/L		0.000520	05/30/16 20:26 JRB	0.00500		108	84.5 - 115.4			M068519
LCS Dup	0.00564	mg/L		0.000520	05/30/16 20:35 JRB	0.00500		113	84.5 - 115.4	4.47	20	M068519
Duplicate	16.9	mg/L		0.00258	05/30/16 20:43 JRB		17.1			1.28	20	M068519
Matrix Spike	18.7	mg/L	*ICP-4X*	0.00260	05/30/16 20:51 JRB	0.0250	17.1	*6430*	69.5 - 130.4			M068519

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Analytical Report

BRENHAM STATE SUPPORTED LIVING CENTER

Report Printed: **5/31/16** **15:39**

Z009607

Metals (Total) - Quality Control

	Result	Units	Notes	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch
Lead - EPA 200.8 R5.4												*Bryan*
Blank	<0.000500	mg/L		0.000500	05/22/16 17:53 JRB							M068272
LCS	0.00515	mg/L		0.000500	05/22/16 17:57 JRB	0.00500		103	84.5 - 115.4			M068272
LCS Dup	0.00544	mg/L		0.000500	05/22/16 18:01 JRB	0.00500		109	84.5 - 115.4	5.55	20	M068272
Duplicate	0.313	mg/L		0.000500	05/22/16 18:06 JRB		0.332			5.99	20	M068272
Matrix Spike	0.332	mg/L	*ICP-4X*	0.000500	05/22/16 18:31 JRB	0.00500	0.332	*1.74*	69.5 - 130.4			M068272
Blank	<0.000412	mg/L	*J (0.000066)*	0.000412	05/22/16 20:19 JRB							M068480
LCS	0.00514	mg/L		0.000416	05/22/16 20:23 JRB	0.00500		103	84.5 - 115.4			M068480
LCS Dup	0.00517	mg/L		0.000416	05/22/16 20:28 JRB	0.00500		103	84.5 - 115.4	0.577	20	M068480
Duplicate	0.00670	mg/L		0.000412	05/22/16 20:32 JRB		0.00663			1.13	20	M068480
Matrix Spike	0.0113	mg/L		0.000416	05/22/16 20:36 JRB	0.00500	0.00663	93.8	69.5 - 130.4			M068480
Blank	<0.000412	mg/L		0.000412	05/22/16 21:37 JRB							M068481
LCS	0.00506	mg/L		0.000416	05/22/16 21:41 JRB	0.00500		101	84.5 - 115.4			M068481
LCS Dup	0.00512	mg/L		0.000416	05/22/16 21:45 JRB	0.00500		102	84.5 - 115.4	1.28	20	M068481
Duplicate	0.0627	mg/L		0.000412	05/22/16 21:50 JRB		0.0576			8.58	20	M068481
Matrix Spike	0.0688	mg/L	*ICP-4X*	0.000416	05/22/16 21:54 JRB	0.00500	0.0576	*224*	69.5 - 130.4			M068481
Blank	<0.000412	mg/L	*J (0.000042)*	0.000412	05/22/16 23:07 JRB							M068482
LCS	0.00513	mg/L		0.000416	05/22/16 23:12 JRB	0.00500		103	84.5 - 115.4			M068482
LCS Dup	0.00522	mg/L		0.000416	05/22/16 23:16 JRB	0.00500		104	84.5 - 115.4	1.68	20	M068482
Duplicate	0.643	mg/L		0.000412	05/22/16 23:20 JRB		0.645			0.277	20	M068482
Matrix Spike	0.651	mg/L		0.000416	05/22/16 23:25 JRB	0.00500	0.645	124	69.5 - 130.4			M068482
Blank	<0.000412	mg/L		0.000412	05/23/16 00:25 JRB							M068483
LCS	0.00520	mg/L		0.000416	05/23/16 00:30 JRB	0.00500		104	84.5 - 115.4			M068483
LCS Dup	0.00524	mg/L		0.000416	05/23/16 00:34 JRB	0.00500		105	84.5 - 115.4	0.739	20	M068483
Duplicate	0.0419	mg/L		0.000412	05/23/16 00:38 JRB		0.0418			0.179	20	M068483
Matrix Spike	0.0472	mg/L		0.000416	05/23/16 00:43 JRB	0.00500	0.0418	107	69.5 - 130.4			M068483
Blank	<0.000412	mg/L		0.000412	05/23/16 20:54 JRB							M068519
LCS	0.00513	mg/L		0.000416	05/23/16 20:58 JRB	0.00500		103	84.5 - 115.4			M068519
LCS Dup	0.00509	mg/L		0.000416	05/23/16 21:03 JRB	0.00500		102	84.5 - 115.4	0.652	20	M068519
Duplicate	0.844	mg/L		0.00206	05/23/16 21:07 JRB		0.830			1.66	20	M068519
Matrix Spike	0.865	mg/L	*ICP-4X*	0.00208	05/23/16 21:11 JRB	0.0250	0.830	*140*	69.5 - 130.4			M068519

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Analytical Report

BRENHAM STATE SUPPORTED LIVING CENTER

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Z009607

Preparation Procedures - Quality Control

	Result	Units	Notes	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch
Turbidity - SM2130 B 2001												*Bryan*
Blank	<1.0	NTU		1.0	05/11/16 09:21 AJL							M068195
Duplicate	<1.0	NTU		1.0	05/11/16 09:21 AJL		<1.0				16	M068195
Blank	<1.0	NTU		1.0	05/11/16 09:21 AJL							M068193
Duplicate	<1.0	NTU		1.0	05/11/16 09:21 AJL		<1.0				16	M068193
Blank	*20*	NTU	*A-01*	1.0	05/11/16 09:21 AJL							M068192
Duplicate	<1.0	NTU	*B (0.6)*	1.0	05/11/16 09:21 AJL		<1.0				16	M068192
Initial Cal Check	3.8	NTU		1.00	05/11/16 09:21 AJL	4.20		89.5	85 - 115			1605072
Initial Cal Check	3.6	NTU		1.00	05/12/16 08:31 AJL	4.20		86.7	85 - 115			1605079

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Z009607

Sample Preparation Summary

Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	External Dilution Factor	Batch
Z009607-01										
Copper	EPA 200.8 R5.4	5/22/16 13:24 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068480
Lead	EPA 200.8 R5.4	5/22/16 13:24 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068480
Turbidity	SM2130 B 2001	5/11/16 9:21 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068192
Z009607-02										
Copper	EPA 200.8 R5.4	5/22/16 13:24 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068480
Lead	EPA 200.8 R5.4	5/22/16 13:24 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068480
Turbidity	SM2130 B 2001	5/12/16 8:14 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068195
Z009607-03										
Copper	EPA 200.8 R5.4	5/22/16 13:24 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068480
Lead	EPA 200.8 R5.4	5/22/16 13:24 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068480
Turbidity	SM2130 B 2001	5/11/16 9:11 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068193
Z009607-04										
Copper	EPA 200.8 R5.4	5/22/16 13:24 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068480
Lead	EPA 200.8 R5.4	5/22/16 13:24 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068480
Turbidity	SM2130 B 2001	5/11/16 9:11 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068193
Z009607-05										
Copper	EPA 200.8 R5.4	5/22/16 13:24 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068480
Lead	EPA 200.8 R5.4	5/22/16 13:24 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068480
Turbidity	SM2130 B 2001	5/11/16 9:11 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068193
Z009607-06										
Copper	EPA 200.8 R5.4	5/22/16 13:24 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068480
Lead	EPA 200.8 R5.4	5/22/16 13:24 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068480
Turbidity	SM2130 B 2001	5/11/16 9:11 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068193
Z009607-07										
Copper	EPA 200.8 R5.4	5/13/16 8:53 SSS	Bryan	A	50.0	mL	25.0	mL	10	M068272
Lead	EPA 200.8 R5.4	5/13/16 8:53 SSS	Bryan	A	50.0	mL	25.0	mL	2.5	M068272
Turbidity	SM2130 B 2001	5/12/16 8:14 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068195

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Z009607

Sample Preparation Summary

Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	External Dilution Factor	Batch
Z009607-08										
Copper	EPA 200.8 R5.4	5/22/16 13:24 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068480
Lead	EPA 200.8 R5.4	5/22/16 13:24 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068480
Turbidity	SM2130 B 2001	5/12/16 8:14 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068195
Z009607-09										
Copper	EPA 200.8 R5.4	5/22/16 13:24 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068480
Turbidity	SM2130 B 2001	5/12/16 8:14 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068195
Z009607-10										
Copper	EPA 200.8 R5.4	5/22/16 13:24 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068480
Lead	EPA 200.8 R5.4	5/22/16 13:24 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068480
Turbidity	SM2130 B 2001	5/12/16 8:14 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068195
Z009607-11										
Copper	EPA 200.8 R5.4	5/13/16 8:53 SSS	Bryan	A	50.0	mL	25.0	mL	10	M068272
Lead	EPA 200.8 R5.4	5/13/16 8:53 SSS	Bryan	A	50.0	mL	25.0	mL	2.5	M068272
Turbidity	SM2130 B 2001	5/11/16 9:21 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068192
Z009607-12										
Copper	EPA 200.8 R5.4	5/22/16 13:24 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068480
Lead	EPA 200.8 R5.4	5/22/16 13:24 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068480
Turbidity	SM2130 B 2001	5/12/16 8:14 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068195
Z009607-13										
Lead	EPA 200.8 R5.4	5/22/16 13:28 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068481
Turbidity	SM2130 B 2001	5/11/16 9:21 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068192
Z009607-14										
Copper	EPA 200.8 R5.4	5/22/16 13:28 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068481
Lead	EPA 200.8 R5.4	5/22/16 13:28 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068481
Turbidity	SM2130 B 2001	5/12/16 8:14 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068195
Z009607-15										
Turbidity	SM2130 B 2001	5/11/16 9:21 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068192

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Z009607

Sample Preparation Summary

Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	External Dilution Factor	Batch
Z009607-16										
Copper	EPA 200.8 R5.4	5/22/16 13:28 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068481
Lead	EPA 200.8 R5.4	5/22/16 13:28 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068481
Turbidity	SM2130 B 2001	5/12/16 8:14 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068195
Z009607-17										
Lead	EPA 200.8 R5.4	5/22/16 13:28 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068481
Turbidity	SM2130 B 2001	5/11/16 9:21 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068192
Z009607-18										
Copper	EPA 200.8 R5.4	5/22/16 13:28 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068481
Lead	EPA 200.8 R5.4	5/22/16 13:28 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068481
Turbidity	SM2130 B 2001	5/12/16 8:14 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068195
Z009607-19										
Copper	EPA 200.8 R5.4	5/22/16 13:28 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068481
Lead	EPA 200.8 R5.4	5/22/16 13:28 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068481
Turbidity	SM2130 B 2001	5/11/16 9:21 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068192
Z009607-20										
Copper	EPA 200.8 R5.4	5/22/16 13:28 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068481
Lead	EPA 200.8 R5.4	5/22/16 13:28 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068481
Turbidity	SM2130 B 2001	5/12/16 8:14 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068195
Z009607-21										
Lead	EPA 200.8 R5.4	5/22/16 13:28 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068481
Turbidity	SM2130 B 2001	5/11/16 9:21 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068192
Z009607-22										
Copper	EPA 200.8 R5.4	5/22/16 13:28 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068481
Lead	EPA 200.8 R5.4	5/22/16 13:28 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068481
Turbidity	SM2130 B 2001	5/12/16 8:14 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068195
Z009607-23										
Copper	EPA 200.8 R5.4	5/22/16 13:29 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068482
Turbidity	SM2130 B 2001	5/11/16 9:21 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068192

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Analytical Report

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Z009607

Sample Preparation Summary

Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	External Dilution Factor	Batch
Z009607-24										
Copper	EPA 200.8 R5.4	5/22/16 13:29 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068482
Lead	EPA 200.8 R5.4	5/22/16 13:29 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068482
Turbidity	SM2130 B 2001	5/12/16 8:14 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068195
Z009607-25										
Lead	EPA 200.8 R5.4	5/22/16 13:29 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068482
Turbidity	SM2130 B 2001	5/11/16 9:21 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068192
Z009607-26										
Copper	EPA 200.8 R5.4	5/22/16 13:29 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068482
Lead	EPA 200.8 R5.4	5/22/16 13:29 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068482
Turbidity	SM2130 B 2001	5/12/16 8:14 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068195
Z009607-27										
Copper	EPA 200.8 R5.4	5/22/16 13:29 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068482
Lead	EPA 200.8 R5.4	5/22/16 13:29 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068482
Turbidity	SM2130 B 2001	5/11/16 9:21 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068192
Z009607-28										
Copper	EPA 200.8 R5.4	5/22/16 13:29 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068482
Lead	EPA 200.8 R5.4	5/22/16 13:29 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068482
Turbidity	SM2130 B 2001	5/12/16 8:14 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068195
Z009607-29										
Copper	EPA 200.8 R5.4	5/22/16 13:29 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068482
Lead	EPA 200.8 R5.4	5/22/16 13:29 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068482
Turbidity	SM2130 B 2001	5/11/16 9:21 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068192
Z009607-30										
Copper	EPA 200.8 R5.4	5/22/16 13:29 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068482
Lead	EPA 200.8 R5.4	5/22/16 13:29 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068482
Turbidity	SM2130 B 2001	5/12/16 8:14 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068195

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Z009607

Sample Preparation Summary

Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	External Dilution Factor	Batch
Z009607-31										
Copper	EPA 200.8 R5.4	5/22/16 13:29 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068482
Lead	EPA 200.8 R5.4	5/22/16 13:29 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068482
Turbidity	SM2130 B 2001	5/11/16 9:21 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068192
Z009607-32										
Copper	EPA 200.8 R5.4	5/22/16 13:29 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068482
Lead	EPA 200.8 R5.4	5/22/16 13:29 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068482
Turbidity	SM2130 B 2001	5/12/16 8:14 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068195
Z009607-33										
Copper	EPA 200.8 R5.4	5/22/16 13:32 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068483
Lead	EPA 200.8 R5.4	5/22/16 13:32 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068483
Turbidity	SM2130 B 2001	5/11/16 9:21 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068192
Z009607-34										
Copper	EPA 200.8 R5.4	5/22/16 13:32 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068483
Lead	EPA 200.8 R5.4	5/22/16 13:32 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068483
Turbidity	SM2130 B 2001	5/12/16 8:14 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068195
Z009607-35										
Copper	EPA 200.8 R5.4	5/22/16 13:32 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068483
Lead	EPA 200.8 R5.4	5/22/16 13:32 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068483
Turbidity	SM2130 B 2001	5/11/16 9:21 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068192
Z009607-36										
Copper	EPA 200.8 R5.4	5/22/16 13:32 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068483
Lead	EPA 200.8 R5.4	5/22/16 13:32 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068483
Turbidity	SM2130 B 2001	5/11/16 9:11 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068193
Z009607-37										
Copper	EPA 200.8 R5.4	5/13/16 8:53 SSS	Bryan	A	50.0	mL	25.0	mL	2.5	M068272
Lead	EPA 200.8 R5.4	5/13/16 8:53 SSS	Bryan	A	50.0	mL	25.0	mL	2.5	M068272
Turbidity	SM2130 B 2001	5/11/16 9:21 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068192

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Z009607

Sample Preparation Summary

Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	External Dilution Factor	Batch
Z009607-38										
Copper	EPA 200.8 R5.4	5/22/16 13:32 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068483
Lead	EPA 200.8 R5.4	5/22/16 13:32 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068483
Turbidity	SM2130 B 2001	5/12/16 8:14 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068195

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Bryan Non-routine

Scheduled Date: 05/09/16

Printed 5/6/16 16:49

NELAP ACCREDITED TNI LABORATORY
T10470437

Truck ID	Odomoter Start (Miles)	Date Route Run	Field Data Batch(es)
Ag Tec 3	104801	5-9-16	N/A-JG
	Odomoeter End (Miles) 104907	Field Tech Initials JG	

Sample Information	Time	COC	Containers			Notes	Field Analyses
			Scheduled	Picked Up	In Cooler		
Z009607-01 FSD Brenham SSLC FSD - Sampled By: Jefre Foust	Sample Collected by ATL: 0809	Sampled on Route: NA	1	1	1	Bld 510 Rm101 Start 5/6 1645 Sink	
Z009607-02 Grab Brenham SSLC Grab - Sampled By: Jefre Foust	Sample Collected by ATL: 0812	Sampled on Route: NA	1	1	1		
Z009607-03 FSD Brenham SSLC FSD - Sampled By: Jefre Foust	Sample Collected by ATL: 0823	Sampled on Route: NA	1	1	1	Bld 518 Rm139 Start 5/7 1148 mop Sink	
Z009607-04 Grab Brenham SSLC Grab - Sampled By: Jefre Foust	Sample Collected by ATL: 0826	Sampled on Route: NA	1	1	1		
Z009607-05 FSD Brenham SSLC FSD - Sampled By: Jefre Foust	Sample Collected by ATL: 0831	Sampled on Route: NA	1	1	1	Bld 517 Rm110 Start 5/7 1155 Rest Room	
Z009607-06 Grab Brenham SSLC Grab - Sampled By: Jefre Foust	Sample Collected by ATL: 0834	Sampled on Route: NA	1	1	1		

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				Scheduled	Picked Up	In Cooler		
Z009607-07 FSD	Brenham SSLC FSD - Sampled By: Jefre Foust	Sample Collected by ATL: 0845	Sampled on Route: NA	1	1	1	Bld 529 Rm 116 start 5/8 1544 Womens Rest Room	
Z009607-08 Grab	Brenham SSLC Grab - Sampled By: Jefre Foust	Sample Collected by ATL: 0848	Sampled on Route: NA	1	1	1		
Z009607-09 FSD	Brenham SSLC FSD - Sampled By: Jefre Foust	Sample Collected by ATL: 0850	Sampled on Route: NA	1	1	1	Bld 529 Rm 102 Start 5/8 1546 kitchenette	
Z009607-10 Grab	Brenham SSLC Grab - Sampled By: Jefre Foust	Sample Collected by ATL: 0853	Sampled on Route: NA	1	1	1		
Z009607-11 FSD	Brenham SSLC FSD - Sampled By: Jefre Foust	Sample Collected by ATL: 0900	Sampled on Route: NA	1	1	1	Bld 501 Rm 140 Start 5/7 1209 kitchenette	
Z009607-12 Grab	Brenham SSLC Grab - Sampled By: Jefre Foust	Sample Collected by ATL: 0903	Sampled on Route: NA	1	1	1		
Z009607-13 FSD	Brenham SSLC FSD - Sampled By: Jefre Foust	Sample Collected by ATL: 0914	Sampled on Route: NA	1	1	1	Bld 502 Rm 163 Start 5/7 1225 Therapy Rm	

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Sample Information	Time	COC	Containers			Notes	Field Analyses
			Scheduled	Picked Up	In Cooler		
Z009607-14 Grab Brenham SSLC Grab - Sampled By: Jefre Foust	Sample Collected by ATL 0917	Sampled on Route NA	1	1	1		
Z009607-15 FSD Brenham SSLC FSD - Sampled By: Jefre Foust	Sample Collected by ATL 0923	Sampled on Route NA	1	1	1	Bld 502 RM 130 Start 5/16 1500 Hand Wash Sink	
Z009607-16 Grab Brenham SSLC Grab - Sampled By: Jefre Foust	Sample Collected by ATL 0926	Sampled on Route NA	1	1	1		
Z009607-17 FSD Brenham SSLC FSD - Sampled By: Jefre Foust	Sample Collected by ATL 0930	Sampled on Route NA	1	1	1	Bld 502 RM146 Start 5/6 1505 Pharmacy	
Z009607-18 Grab Brenham SSLC Grab - Sampled By: Jefre Foust	Sample Collected by ATL 0933	Sampled on Route NA	1	1	1		
Z009607-19 FSD Brenham SSLC FSD - Sampled By: Jefre Foust	Sample Collected by ATL 0941	Sampled on Route NA	1	1	1	Bld 502 RM 198 Start 5-7 1220 mens Restroom	
Z009607-20 Grab Brenham SSLC Grab - Sampled By: Jefre Foust	Sample Collected by ATL 0944	Sampled on Route NA	1	1	1		

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Sample Information	Time	COC	Containers			Notes	Field Analyses
			Scheduled	Picked Up	In Cooler		
Z009607-21 FSD Brenham SSLC FSD - Sampled By: Jefre Foust	Sample Collected by ATL 0956	Sampled on Route NA	1	1	1	Bld 507 Rm 183 Start 5/7 1204 Restroom	
Z009607-22 Grab Brenham SSLC Grab - Sampled By: Jefre Foust	Sample Collected by ATL 0959	Sampled on Route NA	1	1	1		
Z009607-23 FSD Brenham SSLC FSD - Sampled By: Jefre Foust	Sample Collected by ATL 1004	Sampled on Route NA	1	1	1	Bld 507 Rm164 Start 5/7 1159 Restroom	
Z009607-24 Grab Brenham SSLC Grab - Sampled By: Jefre Foust	Sample Collected by ATL 1007	Sampled on Route NA	1	1	1		
Z009607-25 FSD Brenham SSLC FSD - Sampled By: Jefre Foust	Sample Collected by ATL 1020	Sampled on Route NA	1	1	2	Bld 503 Rm 1098 Start 5/7 1248 Restroom	
Z009607-26 Grab Brenham SSLC Grab - Sampled By: Jefre Foust	Sample Collected by ATL 1023	Sampled on Route NA	1	1	2		
Z009607-27 FSD Brenham SSLC FSD - Sampled By: Jefre Foust	Sample Collected by ATL 1028	Sampled on Route NA	1	1	2	Bld 503 Rm 1118 Start 5/7 1251 Kitchenette	

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Sample Information		Time	COC	Containers			Notes	Field Analyses
				Scheduled	Picked Up	In Cooler		
Z009607-28 Grab	Brenham SSLC Grab - Sampled By: Jefre Foust	Sample Collected by ATL: 1031	Sampled on Route: NA	1	1	2		
Z009607-29 FSD	Brenham SSLC FSD - Sampled By: Jefre Foust	Sample Collected by ATL: 1036	Sampled on Route: NA	1	1	2	Bld 503 RM 1129 Start 5/7 1253 Kitchenette	
Z009607-30 Grab	Brenham SSLC Grab - Sampled By: Jefre Foust	Sample Collected by ATL: 1039	Sampled on Route: NA	1	1	2		
Z009607-31 FSD	Brenham SSLC FSD - Sampled By: Jefre Foust	Sample Collected by ATL: 1045	Sampled on Route: NA	1	1	2	Bld 503 RM 1172 Start 5/7 1236 Kitchen	
Z009607-32 Grab	Brenham SSLC Grab - Sampled By: Jefre Foust	Sample Collected by ATL: 1048	Sampled on Route: NA	1	1	2		
Z009607-33 FSD	Brenham SSLC FSD - Sampled By: Jefre Foust	Sample Collected by ATL: 1052	Sampled on Route: NA	1	1	2	Bld 503 RM 1005 Start 5/7 1233 Restroom	
Z009607-34 Grab	Brenham SSLC Grab - Sampled By: Jefre Foust	Sample Collected by ATL: 1055	Sampled on Route: NA	1	1	2		

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Sample Information	Time	COC	Containers			Notes	Field Analyses
			Scheduled	Picked Up	In Cooler		
Z009607-35 FSD Brenham SSLC FSD - Sampled By: Jefre Foust	Sample Collected by ATL 1100	Sampled on Route NA	1	1	2	Bld 503 RM 104B Start 5/7 1241 Kitchenette	
Z009607-36 Grab Brenham SSLC Grab - Sampled By: Jefre Foust	Sample Collected by ATL 1103	Sampled on Route NA	1	1	2		
Z009607-37 FSD Brenham SSLC FSD - Sampled By: Jefre Foust	Sample Collected by ATL 1106	Sampled on Route NA	1	1	2	Bld 503 Rm 1063 Start 5/7 1243 Kitchenette	
Z009607-38 Grab Brenham SSLC Grab - Sampled By: Jefre Foust	Sample Collected by ATL 1109	Sampled on Route NA	1	1	2		
~~Z009607-39 FSD~~ ~~Brenham SSLC FSD -~~ ~~Sampled By: Jefre Foust~~	Sample Collected by ATL	Sampled on Route NA	1				
~~Z009607-40 Grab~~ ~~Brenham SSLC Grab -~~ ~~Sampled By: Jefre Foust~~	Sample Collected by ATL	Sampled on Route NA	1				
~~Z009607-41 FSD~~ ~~Brenham SSLC FSD -~~ ~~Sampled By: Jefre Foust~~	Sample Collected by ATL	Sampled on Route NA	1				

No Samples Collected - JF

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Sample Information	Time	COC	Containers			Notes	Field Analyses
			Scheduled	Picked Up	In Cooler		
Z009607-42 Grab Brenham SSLC Grab - Sampled By: Jefre Foust	Sample Collected by ATL	Sampled on Route NA	1				
Z009607-43 FSD Brenham SSLC FSD - Sampled By: Jefre Foust	Sample Collected by ATL	Sampled on Route NA	1				
Z009607-44 Grab Brenham SSLC Grab - Sampled By: Jefre Foust	Sample Collected by ATL	Sampled on Route NA	1				
Z009607-45 FSD Brenham SSLC FSD - Sampled By: Jefre Foust	Sample Collected by ATL	Sampled on Route NA	1				
Z009607-46 Grab Brenham SSLC Grab - Sampled By: Jefre Foust	Sample Collected by ATL	Sampled on Route NA	1				
Z009607-47 FSD Brenham SSLC FSD - Sampled By: Jefre Foust	Sample Collected by ATL	Sampled on Route NA	1				
Z009607-48 Grab Brenham SSLC Grab - Sampled By: Jefre Foust	Sample Collected by ATL	Sampled on Route NA	1				

No Samples Collected JF

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Sample Information	Time	COC	Containers			Notes	Field Analyses
			Scheduled	Picked Up	In Cooler		
Z009607-49 FSD Brenham SSLC FSD - Sampled By: Jefre Foust	Sample Collected by ATL	Sampled on Route NA	1				
Z009607-50 Grab Brenham SSLC Grab - Sampled By: Jefre Foust	Sample Collected by ATL	Sampled on Route NA	1				

NO Samples Collected

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ADDITIONAL SAMPLE(S) TAKEN

Sample Information		Time Sampled	COC	Containers Requested	Picked Up	In Cooler	Notes
ID Sample Type	Description Sampled By						
ID Sample Type	Description Sampled By		N/A-86				

ADDITIONAL ROUTE STOP(S) *

Location	Time Picked up	COC	Containers Requested	Picked Up	In Cooler	Notes

* This section is intended to document the pickup of client-collect samples not originally scheduled on this route sheet. Further information will be recorded on the C-O-C referenced above as provided by the client.

COOLER TRACKING

	Cooler ID	Thermometer ID	Temp (°C) (TR / CT) (0-6 °C, not frozen)		Temp Read on Bottle ID	Samples on Ice ? YES	NO	If No, Explain	Custody Transfer Unbroken ? YES	NO	Seal # OR If No, Explain
1	Y04	6703084	22.0	22.0	2009607-01A		✓		✓		
2	Y05		22.3	22.3	2009607-33A		✓	metals	✓		
3											
4					NF E-86						
5											

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CONTAINER RECEIPT

Z009607-01	☑	A	Metals 1LP HNO3	Cu DW NP ICP-MS EPA 200.8 [NEL] Turbidity DW SCAN SM2130 B	Pb DW NP ICP-MS EPA 200.8 [NEL]
Z009607-02	☑	A	Metals 1LP HNO3	Cu DW NP ICP-MS EPA 200.8 [NEL] Turbidity DW SCAN SM2130 B	Pb DW NP ICP-MS EPA 200.8 [NEL]
Z009607-03	☑	A	Metals 1LP HNO3	Pb DW NP ICP-MS EPA 200.8 [NEL] Cu DW NP ICP-MS EPA 200.8 [NEL]	Turbidity DW SCAN SM2130 B
Z009607-04	☑	A	Metals 1LP HNO3	Turbidity DW SCAN SM2130 B Cu DW NP ICP-MS EPA 200.8 [NEL]	Pb DW NP ICP-MS EPA 200.8 [NEL]
Z009607-05	☑	A	Metals 1LP HNO3	Cu DW NP ICP-MS EPA 200.8 [NEL] Pb DW NP ICP-MS EPA 200.8 [NEL]	Turbidity DW SCAN SM2130 B
Z009607-06	☑	A	Metals 1LP HNO3	Cu DW NP ICP-MS EPA 200.8 [NEL] Pb DW NP ICP-MS EPA 200.8 [NEL]	Turbidity DW SCAN SM2130 B
Z009607-07	☑	A	Metals 1LP HNO3	Pb DW NP ICP-MS EPA 200.8 [NEL] Turbidity DW SCAN SM2130 B	Cu DW NP ICP-MS EPA 200.8 [NEL]
Z009607-08	☑	A	Metals 1LP HNO3	Turbidity DW SCAN SM2130 B Pb DW NP ICP-MS EPA 200.8 [NEL]	Cu DW NP ICP-MS EPA 200.8 [NEL]
Z009607-09	☑	A	Metals 1LP HNO3	Turbidity DW SCAN SM2130 B Cu DW NP ICP-MS EPA 200.8 [NEL]	Pb DW NP ICP-MS EPA 200.8 [NEL]
Z009607-10	☑	A	Metals 1LP HNO3	Cu DW NP ICP-MS EPA 200.8 [NEL] Turbidity DW SCAN SM2130 B	Pb DW NP ICP-MS EPA 200.8 [NEL]
Z009607-11	☑	A	Metals 1LP HNO3	Turbidity DW SCAN SM2130 B Pb DW NP ICP-MS EPA 200.8 [NEL]	Cu DW NP ICP-MS EPA 200.8 [NEL]
Z009607-12	☑	A	Metals 1LP HNO3	Pb DW NP ICP-MS EPA 200.8 [NEL] Turbidity DW SCAN SM2130 B	Cu DW NP ICP-MS EPA 200.8 [NEL]
Z009607-13	☑	A	Metals 1LP HNO3	Pb DW NP ICP-MS EPA 200.8 [NEL] Cu DW NP ICP-MS EPA 200.8 [NEL]	Turbidity DW SCAN SM2130 B
Z009607-14	☑	A	Metals 1LP HNO3	Cu DW NP ICP-MS EPA 200.8 [NEL] Turbidity DW SCAN SM2130 B	Pb DW NP ICP-MS EPA 200.8 [NEL]
Z009607-15	☑	A	Metals 1LP HNO3	Pb DW NP ICP-MS EPA 200.8 [NEL] Turbidity DW SCAN SM2130 B	Cu DW NP ICP-MS EPA 200.8 [NEL]
Z009607-16	☑	A	Metals 1LP HNO3	Cu DW NP ICP-MS EPA 200.8 [NEL] Turbidity DW SCAN SM2130 B	Pb DW NP ICP-MS EPA 200.8 [NEL]
Z009607-17	☑	A	Metals 1LP HNO3	Pb DW NP ICP-MS EPA 200.8 [NEL] Cu DW NP ICP-MS EPA 200.8 [NEL]	Turbidity DW SCAN SM2130 B

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Z009607-18	☐	A	Metals 1LP HNO3	Pb DW NP ICP-MS EPA 200.8 [NEL] Cu DW NP ICP-MS EPA 200.8 [NEL]	Turbidity DW SCAN SM2130 B
Z009607-19	☐	A	Metals 1LP HNO3	Cu DW NP ICP-MS EPA 200.8 [NEL] Turbidity DW SCAN SM2130 B	Pb DW NP ICP-MS EPA 200.8 [NEL]
Z009607-20	☐	A	Metals 1LP HNO3	Pb DW NP ICP-MS EPA 200.8 [NEL] Turbidity DW SCAN SM2130 B	Cu DW NP ICP-MS EPA 200.8 [NEL]
Z009607-21	☐	A	Metals 1LP HNO3	Pb DW NP ICP-MS EPA 200.8 [NEL] Turbidity DW SCAN SM2130 B	Cu DW NP ICP-MS EPA 200.8 [NEL]
Z009607-22	☐	A	Metals 1LP HNO3	Cu DW NP ICP-MS EPA 200.8 [NEL] Pb DW NP ICP-MS EPA 200.8 [NEL]	Turbidity DW SCAN SM2130 B
Z009607-23	☐	A	Metals 1LP HNO3	Pb DW NP ICP-MS EPA 200.8 [NEL] Turbidity DW SCAN SM2130 B	Cu DW NP ICP-MS EPA 200.8 [NEL]
Z009607-24	☐	A	Metals 1LP HNO3	Pb DW NP ICP-MS EPA 200.8 [NEL] Turbidity DW SCAN SM2130 B	Cu DW NP ICP-MS EPA 200.8 [NEL]
Z009607-25	☐	A	Metals 1LP HNO3	Pb DW NP ICP-MS EPA 200.8 [NEL] Cu DW NP ICP-MS EPA 200.8 [NEL]	Turbidity DW SCAN SM2130 B
Z009607-26	☐	A	Metals 1LP HNO3	Cu DW NP ICP-MS EPA 200.8 [NEL] Pb DW NP ICP-MS EPA 200.8 [NEL]	Turbidity DW SCAN SM2130 B
Z009607-27	☐	A	Metals 1LP HNO3	Cu DW NP ICP-MS EPA 200.8 [NEL] Turbidity DW SCAN SM2130 B	Pb DW NP ICP-MS EPA 200.8 [NEL]
Z009607-28	☐	A	Metals 1LP HNO3	Cu DW NP ICP-MS EPA 200.8 [NEL] Turbidity DW SCAN SM2130 B	Pb DW NP ICP-MS EPA 200.8 [NEL]
Z009607-29	☐	A	Metals 1LP HNO3	Cu DW NP ICP-MS EPA 200.8 [NEL] Pb DW NP ICP-MS EPA 200.8 [NEL]	Turbidity DW SCAN SM2130 B
Z009607-30	☐	A	Metals 1LP HNO3	Cu DW NP ICP-MS EPA 200.8 [NEL] Turbidity DW SCAN SM2130 B	Pb DW NP ICP-MS EPA 200.8 [NEL]
Z009607-31	☐	A	Metals 1LP HNO3	Turbidity DW SCAN SM2130 B Cu DW NP ICP-MS EPA 200.8 [NEL]	Pb DW NP ICP-MS EPA 200.8 [NEL]
Z009607-32	☐	A	Metals 1LP HNO3	Cu DW NP ICP-MS EPA 200.8 [NEL] Pb DW NP ICP-MS EPA 200.8 [NEL]	Turbidity DW SCAN SM2130 B
Z009607-33	☐	A	Metals 1LP HNO3	Pb DW NP ICP-MS EPA 200.8 [NEL] Cu DW NP ICP-MS EPA 200.8 [NEL]	Turbidity DW SCAN SM2130 B
Z009607-34	☐	A	Metals 1LP HNO3	Turbidity DW SCAN SM2130 B Cu DW NP ICP-MS EPA 200.8 [NEL]	Pb DW NP ICP-MS EPA 200.8 [NEL]

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Z009607-35	☑	A	Metals 1LP HNO3	Pb DW NP ICP-MS EPA 200.8 [NEL] Turbidity DW SCAN SM2130 B	Cu DW NP ICP-MS EPA 200.8 [NEL]
Z009607-36	☑	A	Metals 1LP HNO3	Pb DW NP ICP-MS EPA 200.8 [NEL] Cu DW NP ICP-MS EPA 200.8 [NEL]	Turbidity DW SCAN SM2130 B
Z009607-37	☑	A	Metals 1LP HNO3	Turbidity DW SCAN SM2130 B Pb DW NP ICP-MS EPA 200.8 [NEL]	Cu DW NP ICP-MS EPA 200.8 [NEL]
Z009607-38	☑	A	Metals 1LP HNO3	Cu DW NP ICP-MS EPA 200.8 [NEL] Pb DW NP ICP-MS EPA 200.8 [NEL]	Turbidity DW SCAN SM2130 B
Z009607-39	☐	A	Metals 1LP HNO3	Pb DW NP ICP-MS EPA 200.8 [NEL] Cu DW NP ICP-MS EPA 200.8 [NEL]	Turbidity DW SCAN SM2130 B
Z009607-40	☐	A	Metals 1LP HNO3	Turbidity DW SCAN SM2130 B Cu DW NP ICP-MS EPA 200.8 [NEL]	Pb DW NP ICP-MS EPA 200.8 [NEL]
Z009607-41	☐	A	Metals 1LP HNO3	Turbidity DW SCAN SM2130 B Cu DW NP ICP-MS EPA 200.8 [NEL]	Pb DW NP ICP-MS EPA 200.8 [NEL]
Z009607-42	☐	A	Metals 1LP HNO3	Turbidity DW SCAN SM2130 B Pb DW NP ICP-MS EPA 200.8 [NEL]	Cu DW NP ICP-MS EPA 200.8 [NEL]
Z009607-43	☐	A	Metals 1LP HNO3	Cu DW NP ICP-MS EPA 200.8 [NEL] Turbidity DW SCAN SM2130 B	Pb DW NP ICP-MS EPA 200.8 [NEL]
Z009607-44	☐	A	Metals 1LP HNO3	Pb DW NP ICP-MS EPA 200.8 [NEL] Turbidity DW SCAN SM2130 B	Cu DW NP ICP-MS EPA 200.8 [NEL]
Z009607-45	☐	A	Metals 1LP HNO3	Pb DW NP ICP-MS EPA 200.8 [NEL] Cu DW NP ICP-MS EPA 200.8 [NEL]	Turbidity DW SCAN SM2130 B
Z009607-46	☐	A	Metals 1LP HNO3	Turbidity DW SCAN SM2130 B Pb DW NP ICP-MS EPA 200.8 [NEL]	Cu DW NP ICP-MS EPA 200.8 [NEL]
Z009607-47	☐	A	Metals 1LP HNO3	Turbidity DW SCAN SM2130 B Cu DW NP ICP-MS EPA 200.8 [NEL]	Pb DW NP ICP-MS EPA 200.8 [NEL]
Z009607-48	☐	A	Metals 1LP HNO3	Pb DW NP ICP-MS EPA 200.8 [NEL] Cu DW NP ICP-MS EPA 200.8 [NEL]	Turbidity DW SCAN SM2130 B
Z009607-49	☐	A	Metals 1LP HNO3	Pb DW NP ICP-MS EPA 200.8 [NEL] Cu DW NP ICP-MS EPA 200.8 [NEL]	Turbidity DW SCAN SM2130 B
Z009607-50	☐	A	Metals 1LP HNO3	Pb DW NP ICP-MS EPA 200.8 [NEL] Cu DW NP ICP-MS EPA 200.8 [NEL]	Turbidity DW SCAN SM2130 B

Sample checks were performed upon sample receipt (by personnel signing for receipt) and recorded directly in LIMS unless otherwise noted.
See individual C-O-C's for client-collect samples. Boxes checked above indicate the container was received in the lab.

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CUSTODY TRANSFER OF ROUTE

Custody Relinquished by: (print & sign)	Date	Time	Custody Received by: (print & sign) OR Custody Seal Number	Date	Time
		NA=CLL7			
Custody Relinquished by: (print & sign) Or verify custody transfer unbroken	Date	Time	Custody Received by: (print & sign)	Date	Time
Jefre Foust	5-9-16	1230	Christy Longcrier	5-9-16	12:30

Email information for report date:

6/7/16 11:58

Z010501

BRENHAM STATE SUPPORTED LIVING CENTER

Attn: Craig Harrelson

craig.harrelson@dads.state.tx.us

4001 HWY 36 SOUTH

BRENHAM, TX 77833

Lead & Copper sampling for 2016 is under way!

Let Aqua-Tech help you fulfill your state requirements. We are certified and ready to assist with sampling kits, analysis & online data retrieval. You can trust our experience and history of successful state reporting.

Call or email us today at samplingbryan@aqua-techlabs.com for more information or to set up an event.

Thank you for your business,
June M. Brien
Executive Technical Director

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NELAP Cert. T104704371

NEL	NELAC accredited parameter.
ANR	Accreditation not required by the State of Texas.
DWP	Accreditation through the TCEQ Drinking Water Commercial Laboratory Approval Program.
INF	Aqua-Tech Laboratories, Inc. is not accredited for this parameter. It is reported on an informational basis only.

Subcontracted data summarized in this report is indicated by "Sub" in the Lab column.

TCEQ DW Lab ID TX 239

General Definitions:

NR	Not Reported.
RPD	Relative Percent Difference.
% R	Percent Recovery.
dry	Results with the "dry" unit designation are reported on a "dry weight" basis.
SQL	The Sample Quantitation Limit is the value below which the parameter cannot reliably be detected. The SQL includes all sample preparations, dilutions and / or concentrations.
Adj MDL	The Adjusted Method Detection Limit is the MDL value adjusted for any sample dilutions or concentrations .
MDL	The Method Detection Limit is the lowest theoretical value that is statistically different from zero for a specific method, taking into account all preparation steps and instrument settings.

All samples are reported on an "as received" basis unless the designation "dry" is added to the reported unit.

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Samples included in this report were received in acceptable condition according to Aqua-Tech Laboratories, Inc. procedures and 40 CFR, Chapter I, Subchapter D, Part 136.3, TABLE II. - *Required containers, preservation techniques, and holding times*, unless otherwise noted in this report.

Record Retention:

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This report was approved by:

June M. Brien, Technical Director

The results in this report apply only to the samples analyzed. This analytical report must be reproduced in its entirety unless written permission is granted by Aqua-Tech Laboratories, Inc.

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Analytical Report

BRENHAM STATE SUPPORTED LIVING CENTER

Report Printed: **6/7/16** **11:58**

Z010501

LCR01 509 118 Steamer No 3

Collected: 05/18/16 08:45 by CLIENT
Received: 05/18/16 10:29 by Marianne R Guzman

Type FSD | *Matrix* Drinking Water | *C-O-C #* 1000558

Lab ID# Z010501-01

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.0116**	mg/L		0.000036	0.000036	0.000625	*Bryan*	06/01/16 01:25 JRB	EPA 200.8 R5.4	M068479	NEL
Lead	**0.00269**	mg/L		0.000006	0.000006	0.000500	*Bryan*	06/01/16 20:02 JRB	EPA 200.8 R5.4	M068479	NEL

Metals (Total) - Quality Control

	Result	Units	Notes	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch
Copper - EPA 200.8 R5.4												*Bryan*
Blank	<0.000625	mg/L		0.000625	06/01/16 00:26 JRB							M068479
LCS	0.00493	mg/L		0.000625	06/01/16 00:35 JRB	0.00500		98.7	84.5 - 115.4			M068479
LCS Dup	0.00495	mg/L		0.000625	06/01/16 00:43 JRB	0.00500		99.1	84.5 - 115.4	0.401	20	M068479
Duplicate	0.0376	mg/L		0.000625	06/01/16 00:51 JRB		0.0366			2.76	20	M068479
Matrix Spike	0.0407	mg/L		0.000625	06/01/16 01:00 JRB	0.00500	0.0366	82.4	69.5 - 130.4			M068479
Lead - EPA 200.8 R5.4												*Bryan*
Blank	<0.000500	mg/L		0.000500	06/01/16 18:38 JRB							M068479
LCS	0.00504	mg/L		0.000500	06/01/16 18:47 JRB	0.00500		101	84.5 - 115.4			M068479
LCS Dup	0.00505	mg/L		0.000500	06/01/16 19:20 JRB	0.00500		101	84.5 - 115.4	0.349	20	M068479
Duplicate	0.00197	mg/L		0.000500	06/01/16 19:28 JRB		0.00183			7.28	20	M068479
Matrix Spike	0.00636	mg/L		0.000500	06/01/16 19:37 JRB	0.00500	0.00183	90.5	69.5 - 130.4			M068479

Preparation Procedures - Quality Control

	Result	Units	Notes	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch
Turbidity - SM2130 B 2001												*Bryan*
Blank	<1.0	NTU		1.0	05/24/16 09:55 AJL							M068543
Duplicate	<1.0	NTU		1.0	05/24/16 09:55 AJL		<1.0				16	M068543
ICV	4.3	NTU		1.00	05/24/16 10:02 AJL	4.64		91.8	85 - 115			1605162

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Analytical Report

BRENHAM STATE SUPPORTED LIVING CENTER

Report Printed: **6/7/16** **11:58**

Z010501

Sample Preparation Summary

Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	External Dilution Factor	Batch
Z010501-01										
Copper	EPA 200.8 R5.4	5/23/16 13:20 JRB	Bryan	A	50.0	mL	25.0	mL	2.5	M068479
Lead	EPA 200.8 R5.4	5/23/16 13:20 JRB	Bryan	A	50.0	mL	25.0	mL	2.5	M068479
Sample Acidified to pH<2 in Lab	N/A	5/18/16 10:35 CLL	Bryan	A	100	mL	100	mL	1	M068389
Turbidity	SM2130 B 2001	5/24/16 9:55 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068543

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Austin Lab: ☐
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Austin, Texas 78735
Phone: (512) 301-9559
Email: corp@aqua-techlabs.com

C-O-C # 1000558

T10470437

V-0023 R00

Chain-of-Custody & Analysis Request

Client / Project Name: BRENHAM STATE SUPP. LIVING CENTER

* DEFINITIONS: DW - Drinking Water, NP - Non-Potable Water, S – Solid, CM – Custody Maintained, CTU – Custody Transfer Unbroken

Field Sample ID	~~Start~~ Date / Time	~~End~~ Date / Time	Composite Type	Sample Matrix*	Container Volume	Container Type	Sample Pres. +	Analysis Requested	LAB USE ONLY (initials CLL) Cooler ID	Bottle pH	Sub-contract	Lab ID #
LCR 01 509 118 STEAMER#3	5-17-16 16:00 FAUCET OFF <MWZ>	5-18-16 08:45 SAMPLED <MWZ>	FSD	DW	1 L	Plastic	1, 4*	Pb and Cu	none	NA		Z010501-0
LCR			FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				
LCR			FSD	DW	1 L	Plastic	1, 4*	Pb and Cu NFE <MWZ>				
LCR			FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				
LCR			FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				
LCR			FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				

By relinquishing the above samples to Aqua-Tech, the client agrees to the following terms. Samples will be analyzed by a method that is within Aqua-Tech Laboratories' NELAC fields of accreditation. Analytes requiring a certified method that is not within Aqua-Tech's fields of accreditation will be subcontracted to a NELAC certified lab that is certified for that method. Clients will be notified of the subcontract lab's details. Other analytes not requiring accreditation will be analyzed by a compendial method. If a specific method is required, the client will the method in the "Analysis Requested" column. The client approves all method modifications documented by Aqua-Tech or the subcontract lab. A current list of Aqua-Tech's NELAC fields of accreditation and other methods are available on request.

Relinquished by: (print & sign) ☐Client ☐ATL Field ☒Sampler	Date	Time	Sample Info "X" all that apply	Rec'd by: (print & sign) ☐Client ☐ATL Field	Date	Time	Sample I "X" all that
FRED A. PORTER	5-18-16	10:29	☐ Iced ☐ Chilled/Refrig ☐ Cust. Sealed ☐ Not Chilled				☐ Rec'd Chi ☐ Cond Goo ☐ CTU * ☐ Iced in Transit
Relinquished by: (print & sign) ☐Client ☐ATL Field			☐ Iced ☐ Chilled/Refrig ☐ CM * ☐ Not Chilled	Rec'd by: (print & sign) ☐Client ☐ATL Field NA <MWZ>			☐ Rec'd Chilled ☐ Cond Good ☐ CTU * ☐ Iced in Transit
Relinquished by: (print & sign) ☐Client ☐ATL Field arrival in lab NA <MWZ>			☐ Iced ☐ Chilled/Refrig ☐ CM * ☐ Not Chilled	Rec'd by: (print & sign) ☒Received in Lab M. Guzman	5-18-16	1029	☐ Rec'd Iced ☐ Not Rec'd Iced ☐ CTU * ☒ Cond Good

Field Sample ID	Time	pH	D.O.	Cl_2	Flow
		NA <CLL>			

Client Address and Phone # :

Client Comments:

Sample Pres. +				
pH Paper ID#:	1 ≤ 6 °C (not frozen)	2 = H_2SO_4	3 = HCl	4 = HNO_3
5 = $Na_2S_2O_3$	6 = NaOH	7 =	8 =	9 =

Laboratory Comments:

*Samples preserved in lab at 5/18/16 10:35 By CLL

Rush as fast as possible - as per JBH <MWZ>

(Line below documents condition at receipt in Laboratory by Sample Custodian. Lab location noted by check box at top of C-O-C.)

Cooler ID:	Temp °C:	CT	Therm ID:	Cooler ID:	Temp °C:	CT	Therm ID:
NONE	31.5 / 31.5		070308 5		/ NA <MWZ>		

Email information for report date:

6/7/16 11:58

Z010583

BRENHAM STATE SUPPORTED LIVING CENTER

Attn: Craig Harrelson

craig.harrelson@dads.state.tx.us

4001 HWY 36 SOUTH

BRENHAM, TX 77833

Lead & Copper sampling for 2016 is under way!

Let Aqua-Tech help you fulfill your state requirements. We are certified and ready to assist with sampling kits, analysis & online data retrieval. You can trust our experience and history of successful state reporting.

Call or email us today at samplingbryan@aqua-techlabs.com for more information or to set up an event.

Thank you for your business,
June M. Brien
Executive Technical Director

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TCEQ DW Lab ID TX 239

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% R	Percent Recovery.
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Analytical Report

BRENHAM STATE SUPPORTED LIVING CENTER

Report Printed: **6/7/16** **11:58**

Z010583

LCR01 509 FH

Collected: 05/20/16 08:30 by CLIENT
Received: 05/20/16 11:08 by Christy Longcrier

Type FSD
Matrix Drinking Water
C-O-C # 1000577

Lab ID# Z010583-01

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.0366**	mg/L		0.000036	0.000036	0.000625	*Bryan*	06/01/16 01:58 JRB	EPA 200.8 R5.4	M068479	NEL
Lead	**0.00183**	mg/L		0.000006	0.000006	0.000500	*Bryan*	06/01/16 20:10 JRB	EPA 200.8 R5.4	M068479	NEL

Metals (Total) - Quality Control

	Result	Units	Notes	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch
Copper - EPA 200.8 R5.4												*Bryan*
Blank	<0.000625	mg/L		0.000625	06/01/16 00:26 JRB							M068479
LCS	0.00493	mg/L		0.000625	06/01/16 00:35 JRB	0.00500		98.7	84.5 - 115.4			M068479
LCS Dup	0.00495	mg/L		0.000625	06/01/16 00:43 JRB	0.00500		99.1	84.5 - 115.4	0.401	20	M068479
Duplicate	0.0376	mg/L		0.000625	06/01/16 00:51 JRB		0.0366			2.76	20	M068479
Matrix Spike	0.0407	mg/L		0.000625	06/01/16 01:00 JRB	0.00500	0.0366	82.4	69.5 - 130.4			M068479
Lead - EPA 200.8 R5.4												*Bryan*
Blank	<0.000500	mg/L		0.000500	06/01/16 18:38 JRB							M068479
LCS	0.00504	mg/L		0.000500	06/01/16 18:47 JRB	0.00500		101	84.5 - 115.4			M068479
LCS Dup	0.00505	mg/L		0.000500	06/01/16 19:20 JRB	0.00500		101	84.5 - 115.4	0.349	20	M068479
Duplicate	0.00197	mg/L		0.000500	06/01/16 19:28 JRB		0.00183			7.28	20	M068479
Matrix Spike	0.00636	mg/L		0.000500	06/01/16 19:37 JRB	0.00500	0.00183	90.5	69.5 - 130.4			M068479

Preparation Procedures - Quality Control

	Result	Units	Notes	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch
Turbidity - SM2130 B 2001												*Bryan*
Blank	<1.0	NTU		1.0	05/24/16 09:55 AJL							M068543
Duplicate	<1.0	NTU		1.0	05/24/16 09:55 AJL		<1.0				16	M068543
ICV	4.3	NTU		1.00	05/24/16 10:02 AJL	4.64		91.8	85 - 115			1605162

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Analytical Report

BRENHAM STATE SUPPORTED LIVING CENTER

Report Printed: **6/7/16** **11:58**

Z010583

Sample Preparation Summary

Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	External Dilution Factor	Batch
Z010583-01										
Copper	EPA 200.8 R5.4	5/23/16 13:20 JRB	Bryan	A	50.0	mL	25.0	mL	2.5	M068479
Lead	EPA 200.8 R5.4	5/23/16 13:20 JRB	Bryan	A	50.0	mL	25.0	mL	2.5	M068479
Sample Acidified to pH<2 in Lab	N/A	5/20/16 11:10 CLL	Bryan	A	100	mL	100	mL	1	M068455
Turbidity	SM2130 B 2001	5/24/16 9:55 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068543

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C-O-C # 1000577

T10470437

V-0023 R00

Chain-of-Custody & Analysis Request

Client / Project Name: BRENHAM STATE SUPP. LIVING CENTER

* DEFINITIONS: **DW** - Drinking Water **NP** - Non-Potable Water **S** – Solid **CM** – Custody Maintained **CTU** – Custody Transfer Unbroken

LAB USE ONLY (initials CC)

Field Sample ID	Start Date / Time	End Date / Time	Composite Type	Sample Matrix*	Container Volume	Container Type	Sample Pres. +	Analysis Requested	Cooler ID	Bottle pH	Sub-contract	Lab ID #
LCR 01 509 F.H.	5-19-16 16:20	5-20-16 08:30	FSD	DW	1 L	Plastic	1, 4*	Pb and Cu	None	NA		Z010582-01
LCR			FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				
LCR			FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				
LCR			FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				
LCR			FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				
LCR			FSD	DW	1 L	Plastic	1, 4*	Pb and Cu	NA MCG 5-20-16			
LCR			FSD	DW	1 L	Plastic	1, 4*	Pb and Cu				

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Relinquished by: (print & sign) ☐Client ☐ATL Field ☒Sampler	Date	Time	Sample Info "X" all that apply	Rec'd by: (print & sign) ☐Client ☐ATL Field	Date	Time	Sample Info "X" all that apply
FRED A. PORTER	5-20-16	11:08	☐ Iced ☐ Chilled/Refrig ☐ Cust. Sealed ☐ Not Chilled	NFE CCM			☐ Rec'd Chilled ☐ Cond Good ☐ CTU * ☐ Iced in Transit
Relinquished by: (print & sign) ☐Client ☐ATL Field			☐ Iced ☐ Chilled/Refrig ☐ CM * ☐ Not Chilled	Rec'd by: (print & sign) ☐Client ☐ATL Field			☐ Rec'd Chilled ☐ Cond Good ☐ CTU * ☐ Iced in Transit
Relinquished by: (print & sign) ☐Client ☐ATL Field arrival in Lab			☐ Iced ☐ Chilled/Refrig ☐ CM * ☐ Not Chilled	Rec'd by: (print & sign) ☒Received in Lab Christy Longcrier	5-20-16	11:08	☐ Rec'd Iced ☐ Not Rec'd Iced ☐ CTU * ☒ Cond Good

Field Sample ID	Time	pH	D.O.	Cl_2	Flow

NA CCM

Client Address and Phone # :

Client Comments:

Sample Pres. +				
pH Paper ID#:	1 ≤ 6 °C (not frozen)	2 = H_2SO_4	3 = HCl	4 = HNO_3
5 = $Na_2S_2O_3$	6 = NaOH	7 =	8 =	9 =

Laboratory Comments:

*Samples preserved in lab at 5/20/16 11:10 By CC

(Line below documents condition at receipt in Laboratory by Sample Custodian. Lab location noted by check box at top of C-O-C.)

Cooler ID:	Temp °C:	CT	Therm ID:	Cooler ID:	Temp °C:	CT	Therm ID:
None	21.9 / 21.8		0703085		NFE CCM		

Email information for report date:

6/2/16 17:12

Z010924

BRENHAM STATE SUPPORTED LIVING CENTER

Attn: Craig Harrelson

craig.harrelson@dads.state.tx.us

4001 HWY 36 SOUTH

BRENHAM, TX 77833

Lead & Copper sampling for 2016 is under way!

Let Aqua-Tech help you fulfill your state requirements. We are certified and ready to assist with sampling kits, analysis & online data retrieval. You can trust our experience and history of successful state reporting.

Call or email us today at samplingbryan@aqua-techlabs.com for more information or to set up an event.

Thank you for your business,
June M. Brien
Executive Technical Director

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This report was approved by:

June M. Brien, Technical Director

The results in this report apply only to the samples analyzed. This analytical report must be reproduced in its entirety unless written permission is granted by Aqua-Tech Laboratories, Inc.

corp@aqua-techlabs.com www.aqua-techlabs.com

CORPORATE OFFICE
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AQUA-TECH LABORATORIES, INC.

AUSTIN OFFICE
7500 Hwy 71 W, Suite 105
Austin, TX 78735
Phone: (512) 301-9559
Fax: (512) 301-9552

Analytical Report

BRENHAM STATE SUPPORTED LIVING CENTER

Report Printed: **6/2/16** **17:12**

Z010924

LCR 01 509-101

Collected: 05/24/16 23:30 by CLIENT
Received: 05/25/16 09:46 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* 1000607

Lab ID# Z010924-01

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.766**	mg/L		0.000030	0.000030	0.000515	*Bryan*	06/01/16 21:34 JRB	EPA 200.8 R5.4	M068699	*NEL*
Lead	**0.00171**	mg/L		0.000005	0.000005	0.000412	*Bryan*	06/01/16 21:34 JRB	EPA 200.8 R5.4	M068699	*NEL*

LCR 02 509-101

Collected: 05/24/16 23:33 by CLIENT
Received: 05/25/16 09:46 by Christy Longcrier

Type FSD | *Matrix* Drinking Water | *C-O-C #* 1000607

Lab ID# Z010924-02

	Result	Units	Notes	MDL	Adj MDL	SQL	Lab	Analyzed	Method	Batch	
Metals (Total)											
Copper	**0.0105**	mg/L		0.000030	0.000030	0.000515	*Bryan*	06/01/16 21:42 JRB	EPA 200.8 R5.4	M068699	*NEL*
Lead	**<0.000412**	mg/L	J (0.000401)	0.000005	0.000005	0.000412	*Bryan*	06/01/16 21:42 JRB	EPA 200.8 R5.4	M068699	*NEL*

Explanation of Notes

ICP-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
J	Analyte detected below the SQL but above the MDL.

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Analytical Report

BRENHAM STATE SUPPORTED LIVING CENTER

Report Printed: **6/2/16** **17:12**

Z010924

Metals (Total) - Quality Control

	Result	Units	Notes	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch
Copper - EPA 200.8 R5.4												*Bryan*
Blank	<0.000515	mg/L		0.000515	06/01/16 20:19 JRB							M068699
LCS	0.00551	mg/L		0.000520	06/01/16 20:27 JRB	0.00500		110	84.5 - 115.4			M068699
LCS Dup	0.00550	mg/L		0.000520	06/01/16 20:35 JRB	0.00500		110	84.5 - 115.4	0.0195	20	M068699
Duplicate	0.745	mg/L		0.000515	06/01/16 21:09 JRB		0.766			2.79	20	M068699
Matrix Spike	0.754	mg/L	*ICP-4X*	0.000520	06/01/16 21:17 JRB	0.00500	0.766	*-248*	69.5 - 130.4			M068699
Lead - EPA 200.8 R5.4												*Bryan*
Blank	<0.000412	mg/L		0.000412	06/01/16 20:19 JRB							M068699
LCS	0.00538	mg/L		0.000416	06/01/16 20:27 JRB	0.00500		108	84.5 - 115.4			M068699
LCS Dup	0.00535	mg/L		0.000416	06/01/16 20:35 JRB	0.00500		107	84.5 - 115.4	0.578	20	M068699
Duplicate	0.00168	mg/L		0.000412	06/01/16 21:09 JRB		0.00171			2.01	20	M068699
Matrix Spike	0.00656	mg/L		0.000416	06/01/16 21:17 JRB	0.00500	0.00171	97.0	69.5 - 130.4			M068699

Preparation Procedures - Quality Control

	Result	Units	Notes	SQL	Analyzed	Spike Amount	Source Result	%R	%R Limits	RPD	RPD Limit	Batch
Turbidity - SM2130 B 2001												*Bryan*
Blank	<1.0	NTU		1.0	05/30/16 08:28 AJL							M068659
Duplicate	<1.0	NTU		1.0	05/30/16 08:28 AJL		<1.0				16	M068659
ICV	5.1	NTU		1.00	05/30/16 08:30 AJL	4.64		109	85 - 115			1605206

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Analytical Report

BRENHAM STATE SUPPORTED LIVING CENTER

Report Printed: **6/2/16** **17:12**

Z010924

Sample Preparation Summary

Sample	Method	Prepared	Lab	Bottle	Initial	Units	Final	Units	External Dilution Factor	Batch
Z010924-01										
Copper	EPA 200.8 R5.4	5/30/16 16:02 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068699
Lead	EPA 200.8 R5.4	5/30/16 16:02 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068699
Sample Acidified to pH<2 in Lab	N/A	5/25/16 9:51 CLL	Bryan	A	100	mL	100	mL	1	M068577
Turbidity	SM2130 B 2001	5/30/16 8:28 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068659
Z010924-02										
Copper	EPA 200.8 R5.4	5/30/16 16:02 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068699
Lead	EPA 200.8 R5.4	5/30/16 16:02 JRB	Bryan	A	10.0	mL	10.3	mL	1	M068699
Sample Acidified to pH<2 in Lab	N/A	5/25/16 9:51 CLL	Bryan	A	100	mL	100	mL	1	M068577
Turbidity	SM2130 B 2001	5/30/16 8:28 AJL	Bryan	A	10.0	mL	10.0	mL	1	M068659

ENCLOSURE # 3

ANALYTICAL REPORT

EL PASO STATE SUPPORTED LIVING CENTER

ALAMO ANALYTICAL LABORATORIES, LTD.
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Branch: 2500 Montana Avenue, El Paso, TX - 79903; (915) 599-2182

REPORT NARRATIVE 4/29/2016

James Lannon
Dept of Aging & Disability Service
6700 Delta Drive
El Paso , Texas - 79905
TEL: (915) 782-6455 Email: james.lannon@dads.state.tx.us
FAX: (915) 782-6375

RE: EPSSLC Lead/Copper Potable Water Testing

Dear James Lannon: Order No. E1604051

Enclosed please find the analytical report for the sample/s received on 4/14/2016.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the Sample Acceptance Policy unless otherwise noted in the report.
DATA: Sample were prepared, analyzed and reported using the methods outlined in the following references: Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition
QA/QC: All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

Sincerely,

Niveditha Nanda
Technical Manager
Alamo Analytical Laboratories, LTD

Report of Laboratory Analysis
Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client. Reproduction of this report wholly or in part requires written permission of the client.

NELAP Certificate# San Antonio : T104704367-16-5; El Paso : T104704432-15-5

ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

CLIENT: Dept of Aging & Disability Service **Project:** EPSSLC Lead/Copper Potable Water Testing
Lab Order: E1604051

Alamo Lab ID	Client ID	Collection Date	Analyses	Matrix	Result	Qua	Rpt Limit	Units	DF
TestName: ICP Metals		**TestNo:** E200.8		**Date Analyzed** 4/29/2016				Initials: SUB	
E1604051-01A	C508 Cottage 508 Kitchen Faucet	4/13/2016 6:00:00 AM	Copper	Water	0.484		0.008	mg/L	1
E1604051-01A	C508 Cottage 508 Kitchen Faucet	4/13/2016 6:00:00 AM	Lead	Water	< 0.002		0.002	mg/L	1
E1604051-02A	C509 Cottage 509 Kitchen Faucet	4/13/2016 6:15:00 AM	Copper	Water	0.654		0.008	mg/L	1
E1604051-02A	C509 Cottage 509 Kitchen Faucet	4/13/2016 6:15:00 AM	Lead	Water	0.104		0.002	mg/L	1
E1604051-03A	C510 Cottage 510 Kitchen Faucet	4/13/2016 6:30:00 AM	Copper	Water	1.23		0.008	mg/L	1
E1604051-03A	C510 Cottage 510 Kitchen Faucet	4/13/2016 6:30:00 AM	Lead	Water	0.0132		0.002	mg/L	1
E1604051-04A	C515 Bldg 515 Breakroom Faucet	4/13/2016 6:45:00 AM	Copper	Water	0.451		0.008	mg/L	1
E1604051-04A	C515 Bldg 515 Breakroom Faucet	4/13/2016 6:45:00 AM	Lead	Water	0.0027		0.002	mg/L	1

* Non-NELAP Standards ** Sub Contracted
J - Analyte detected below quanititation limits
TNTC: Too numerous to count

Approved by: Niveditha Nanda, Technical Manager

NELAP Certificate# San Antonio : T104704367-16-5; El Paso : T104704432-15-5

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client. Reproduction of this report wholly or in part requires written permission of the client.

ALAMO ANALYTICAL LABORATORIES, LTD.

Date: *29-Apr-16*

CLIENT: Dept of Aging & Disability Service

Work Order: E1604051 **Project:** EPSSLC Lead/Copper Potable Water Testing

QC SUMMARY REPORT

Analyte	BLK	SPK value	%REC LCS	%REC MS	Low - High Limit
Batch ID: 200.8-4/29/2016	**TestName:** ICP Metals				
Run ID: ICP_160429A	**Test Code:** E200.8	**Units:** mg/L	**Analysis Date:** 4/29/2016		**Prep Date:** 4/29/2016
Copper	<0.008	1	110.6%		80 - 120
Lead	<0.002	0.1	107.0%		80 - 120

Approved by: Niveditha Nanda, Technical Man

NELAP Certificate# San Antonio : T104704367-16-5; El Paso : T104704432-13-2

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client. Reproduction of this report wholly or in part requires written permission of the client.

ALAMO ANALYTICAL LABORATORIES LTD.

CHAIN OF CUSTODY RECORD

COC#: 10952

ACCREDITED IN ACCORDANCE WITH nelac
NELAC Certificate #: T104704367-10-3

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Branch: 2500 Montana
El Paso, TX 79903
915-599-2182

Email: James.Lannon@DADS.STATE.TX.US

MUST BE COMPLETED BY CLIENT

Alamo's Client: Dept of Aging & Disability Service
Client's P.O. #: 53900 6 00000 86044
Project Manager: James Lannon
Phone #: 915 782 6455
Address: 6700 Delta Drive El Paso Tx 79905
Fax #: 915 782 6375
Project Number: EPSSLC Lead/Copper Potable Water Testing
Project Name:
Project Location: 6700 Delta Drive El Paso TX 79905
Sampler Signature: [signature]

Turnaround time: Standard(7) ☒ (in working days)

RUSH: 1☐ 2☐ 3-5☐ **Days** (additional charges)

TRRP 13 Report: Yes☐ No☐ (additional charges)

Analysis for Permit Compliance: Yes☐ No☐

DMR Form Required: Yes☐ No☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	ANALYSIS: Copper	ANALYSIS: Lead						REMARKS (Preservation, Size/Amount, Etc.)
E1604051-01	4/13/16	6:00am			Water	C508	Cottage 508 Kitchen Faucet	1	X	X						
-02	4/13/16	6:15am			Water	C509	Cottage 509 Kitchen Faucet	1	X	X						
-03	4/13/16	6:30am			Water	C510	Cottage 510 Kitchen Faucet	1	X	X						
-04	4/13/16	6:45am			Water	C515	Bldg 515 Breakroom Faucet	1	X	X						

N. Nay

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
[signature] James W. Lannon	4/14/16	10:30am	[signature]
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
	4/14/16	10:30	N. Nay
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)

Headspace			If Yes, Amt.
Properly Sealed	✓		If No, Explain
Chilled ≤4° C	✓		If No, Temp. 3

Comments:

E 1604051

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REPORT NARRATIVE 5/5/2016

James Lannon
Dept of Aging & Disability Service
6700 Delta Drive
El Paso , Texas - 79905
TEL: (915) 782-6455 Email: james.lannon@dads.state.tx.us
FAX: (915) 782-6375

RE: EPSSLC Lead/Copper Potable Water Testing

Dear James Lannon: Order No. E1604106

Enclosed please find the analytical report for the sample/s received on 4/27/2016.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the Sample Acceptance Policy unless otherwise noted in the report.
DATA: Sample were prepared, analyzed and reported using the methods outlined in the following references: Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition
QA/QC: All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives, except as noted in the report with data qualifiers.

COMMENTS: Drinking water limits exceeds for Lead in sample#sE1604106-01A, 02A, 04A, 05A,06A,08A and 09A; For copper in sample# E1604106-05A

Sincerely,

Niveditha Nanda
Technical Manager
Alamo Analytical Laboratories, LTD

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client.
Reproduction of this report wholly or in part requires written permission of the client.

Date: 05-May-16

ALAMO ANALYTICAL LABORATORIES, LTD.

Analytical Results Report

CLIENT: Dept of Aging & Disability Service **Project:** EPSSLC Lead/Copper Potable Water Testing
Lab Order: E1604106

Alamo Lab ID	Client ID	Collection Date	Analyses	Matrix	Result	Qua	Rpt Limit	Units	DF
TestName: ICP Metals		**TestNo:** E200.8		**Date Analyzed** 5/5/2016				Initials: SUB	
E1604106-01A	Bldg 501 Mens Sink	4/27/2016 6:00:00 AM	Copper	Water	1.01		0.002	mg/L	1
E1604106-01A	Bldg 501 Mens Sink	4/27/2016 6:00:00 AM	Lead	Water	0.0374		0.002	mg/L	1
E1604106-02A	Bldg 502 Employees Sink	4/27/2016 6:05:00 AM	Copper	Water	0.885		0.002	mg/L	1
E1604106-02A	Bldg 502 Employees Sink	4/27/2016 6:05:00 AM	Lead	Water	0.0328		0.002	mg/L	1
E1604106-03A	Bldg 503 Employee Sink	4/27/2016 6:10:00 AM	Copper	Water	0.542		0.002	mg/L	1
E1604106-03A	Bldg 503 Employee Sink	4/27/2016 6:10:00 AM	Lead	Water	0.0045		0.002	mg/L	1
E1604106-04A	Bldg 504 Employees Sink	4/27/2016 6:15:00 AM	Copper	Water	1.2		0.002	mg/L	1
E1604106-04A	Bldg 504 Employees Sink	4/27/2016 6:15:00 AM	Lead	Water	0.189		0.002	mg/L	1
E1604106-05A	Bldg 505 Mens Sink	4/27/2016 6:20:00 AM	Copper	Water	2.08		0.002	mg/L	1
E1604106-05A	Bldg 505 Mens Sink	4/27/2016 6:20:00 AM	Lead	Water	0.125		0.002	mg/L	1
E1604106-06A	Cottage 506 Kitchen Sink	4/27/2016 6:30:00 AM	Copper	Water	0.338		0.002	mg/L	1
E1604106-06A	Cottage 506 Kitchen Sink	4/27/2016 6:30:00 AM	Lead	Water	0.0883		0.002	mg/L	1
E1604106-07A	Cottage 507 Kitchen Sink	4/27/2016 6:24:00 AM	Copper	Water	0.161		0.002	mg/L	1
E1604106-07A	Cottage 507 Kitchen Sink	4/27/2016 6:24:00 AM	Lead	Water	< 0.002		0.002	mg/L	1
E1604106-08A	Cottage 511 Kitchen Sink	4/27/2016 6:40:00 AM	Copper	Water	0.334		0.002	mg/L	1
E1604106-08A	Cottage 511 Kitchen Sink	4/27/2016 6:40:00 AM	Lead	Water	0.0234		0.002	mg/L	1
E1604106-09A	Cottage 513 Kitchen Sink	4/27/2016 6:45:00 AM	Copper	Water	0.502		0.002	mg/L	1
E1604106-09A	Cottage 513 Kitchen Sink	4/27/2016 6:45:00 AM	Lead	Water	0.185		0.002	mg/L	1

* Non-NELAP Standards ** Sub Contracted
J - Analyte detected below quanititation limits
TNTC: Too numerous to count

Approved by: Niveditha Nanda, Technical Manager

NELAP Certificate# San Antonio : T104704367-16-5; El Paso : T104704432-15-5

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client. Reproduction of this report wholly or in part requires written permission of the client.

ALAMO ANALYTICAL LABORATORIES, LTD.

Date: *05-May-16*

CLIENT: Dept of Aging & Disability Service

Work Order: E1604106 **Project:** EPSSLC Lead/Copper Potable Water Testing

QC SUMMARY REPORT

Analyte	BLK	SPK value	LCS %REC	LCSD %REC	RPD %	RPD Limit	MS	Low - High Limit
Batch ID: 200.8-5/5/2016	**TestName:** ICP Metals							
Run ID: ICP_160505B	**Test Code:** E200.8				**Units:** mg/L		**Analysis Date:** 5/5/2016	**Prep Date:** 5/5/2016
Copper	<0.001	0.05	94.2%					80 - 120
Lead	<0.001	0.05	95.2%					80 - 120

Approved by: Niveditha Nanda, Technical Man

NELAP Certificate# San Antonio : T104704367-16-5; El Paso : T104704432-13-2

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CHAIN OF CUSTODY RECORD

COC#: 11085

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2500 Montana
El Paso, TX 79903
915-599-2182

MUST BE COMPLETED BY CLIENT

Alamo's Client: Dept of Aging & Disability Services
Client's P.O. #: 53900.6.00000 86044
Project Manager: James Lannon
Phone #: 915 782 6455
Address: 6700 Delta Drive El Paso TX 79905
Fax #: 915 782 6375
Project Number: EPSSLC Lead/Copper Potable Water Testing
Project Name:
Project Location: 6700 Delta Drive El Paso TX 79905
Sampler Signature: J. W. L.

Turnaround time: Standard(7) (in working days)
RUSH: 1☐ 2☐ 3-5☐ **Days** (additional charges)
TRRP 13 Report: Yes☐ No☐ (additional charges)
Analysis for Permit Compliance: Yes☐ No☐
DMR Form Required: Yes☐ No☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	Copper	Lead						REMARKS (Preservation, Size/Amount, Etc.)
E1604106-01	4/27/16	6:00am			Water	Bldg 501	Bldg 501 Men's Sink	1	X	X						
-02	4/27/16	6:05am			Water	Bldg 502	Bldg 502 Employee Sink		X	X						
-03	4/27/16	6:10am			Water	Bldg 503	Bldg 503 Employee Sink		X	X						
-04	4/27/16	6:15am			Water	Bldg 504	Bldg 504 Employee Sink		X	X						
-05	4/27/16	6:20am			Water	Bldg 505	Bldg 505 Men's Sink		X	X						
-06	4/27/16	6:30am			Water	C506	Cottage 506 Kitchen Sink		X	X						
-07	4/27/16	6:35am			Water	C507	Cottage 507 Kitchen Sink		X	X						
-08	4/27/16	6:40am			Water	C511	Cottage 511 Kitchen Sink		X	X						
-09	4/27/16	6:45am			Water	C513	Cottage 513 Kitchen Sink		X	X						

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
J. W. L. James W. Lannon	4/27/16	11:37am	
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
Relinquished by: (Signature / Print Name)	Date 4/27/16	Time 11:39	Received by: (Signature)

Headspace	✓		If Yes, Amt. Not Applicable
Properly Sealed	✓		If No, Explain
Chilled ≤4° C	✓	-	If No, Temp. 9.2

Comments:
E1604106

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an Antonio, TX – 78216;
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2500 Montana Ave.
El Paso, TX – 79903
Ph. (915) 599-2182

www.alamoanalytical.com; (800) 572-6955

Sample Log-In Checklist

DATE: 04 / 27 / 2016 TIME: 11:45 INITIALS: EG

CLIENT: Dept of Aging PROJECT: W.O# E1604106

. Is a Chain of Custody present? Yes No

. Is a Chain of Custody properly completed? Yes No

. Are custody seals present? Yes No
If yes, are they intact? Yes No
Are they on: Sample _____ or on Shipping Container _____

. Are all samples tagged or labeled? Yes No
If yes, do the labels match the Chain of Custody? Yes No

. Do all shipping documents agree (i.e., number of coolers arrived vs. on tickets)
If not, describe below. Yes No N/A

. Are samples preserved properly? *If not*, describe below. Yes No

. Are all samples within holding times on arrival? Yes No
If not, describe below.

Other

. Condition of shipping container: Intact — or _____

. Condition of samples: Intact — or _____

0. Temperature of samples: 9.2

1. Delivery agent: Client ✓ UPS ___ Fed-Ex___ Lone Star ___Alamo P/U ___Other_____

2. Sample disposal: Return to client_____ Alamo Analytical Disposal —

Comments: (Reference checklist item number from above, or for comments on resolution below):

STD
Water
Sub - copper lead

Record of contacting client for resolution of sample discrepancies (first and retry contact)
Contacted How?

Name: _____ Phone ___Fax___ Date: ____/____/____Time: _____
Name: _____ Phone ___Fax___ Date: ____/____/____Time: _____

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Branch: 2500 Montana Avenue, El Paso, TX - 79903; (915) 599-2182

REPORT NARRATIVE 5/11/2016

James Lannon
Dept of Aging & Disability Service
6700 Delta Drive
El Paso , Texas - 79905
TEL: (915) 782-6455 Email: james.lannon@dads.state.tx.us
FAX: (915) 782-6375

RE: EPSSLC Lead/Copper Potable Water Testing

Dear James Lannon: Order No. E1605027

Enclosed please find the analytical report for the sample/s received on 5/6/2016.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the Sample Acceptance Policy unless otherwise noted in the report.
DATA: Sample were prepared, analyzed and reported using the methods outlined in the following references: Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition
QA/QC: All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made. The following samples exceeds drinking water limits: For Lead: E1605027-03A, 05A, 07A, 09A, and 17A; For Copper: E1605027-03A and 09A

Sincerely,

Niveditha Nanda
Technical Manager
Alamo Analytical Laboratories, LTD

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client.
Reproduction of this report wholly or in part requires written permission of the client.

CLIENT: Dept of Aging & Disability Service **Project:** EPSSLC Lead/Copper Potable Water Testing
Lab Order: E1605027

Alamo Lab ID	Client ID	Collection Date	Analyses	Matrix	Result	Qua	Rpt Limit	Units	DF
TestName: ICP/MS Metals		**TestNo:** E200.8		**Date Analyzed** 5/11/2016				Initials: SUB	
E1605027-01A	C509 Rm 112 Grab	5/6/2016 6:15:00 AM	Copper	Water	1.01		0.001	mg/L	1
E1605027-01A	C509 Rm 112 Grab	5/6/2016 6:15:00 AM	Lead	Water	0.0079		0.001	mg/L	1
E1605027-02A	C509 Rm 112 Composite	5/6/2016 6:18:00 AM	Copper	Water	0.216		0.001	mg/L	1
E1605027-02A	C509 Rm 112 Composite	5/6/2016 6:18:00 AM	Lead	Water	< 0.001		0.001	mg/L	1
E1605027-03A	C509 Rm 109 Grab	5/6/2016 6:22:00 AM	Copper	Water	2.38		0.001	mg/L	1
E1605027-03A	C509 Rm 109 Grab	5/6/2016 6:22:00 AM	Lead	Water	0.121		0.001	mg/L	1
E1605027-04A	C509 Rm 109 Composite	5/6/2016 6:25:00 AM	Copper	Water	0.176		0.001	mg/L	1
E1605027-04A	C509 Rm 109 Composite	5/6/2016 6:25:00 AM	Lead	Water	< 0.001		0.001	mg/L	1
E1605027-05A	C509 Rm 121 L Grab	5/6/2016 6:32:00 AM	Copper	Water	0.724		0.001	mg/L	1
E1605027-05A	C509 Rm 121 L Grab	5/6/2016 6:32:00 AM	Lead	Water	0.0223		0.001	mg/L	1
E1605027-06A	C509 Rm 121 L Composite	5/6/2016 6:35:00 AM	Copper	Water	0.165		0.001	mg/L	1
E1605027-06A	C509 Rm 121 L Composite	5/6/2016 6:35:00 AM	Lead	Water	0.0047		0.001	mg/L	1
E1605027-07A	C509 Rm 121 R grab	5/6/2016 6:38:00 AM	Copper	Water	1.08		0.001	mg/L	1
E1605027-07A	C509 Rm 121 R grab	5/6/2016 6:38:00 AM	Lead	Water	0.038		0.001	mg/L	1
E1605027-08A	C509 Rm 121 R Composite	5/6/2016 6:40:00 AM	Copper	Water	0.108		0.001	mg/L	1
E1605027-08A	C509 Rm 121 R Composite	5/6/2016 6:40:00 AM	Lead	Water	0.0072		0.001	mg/L	1
E1605027-09A	C509 Rm 118 Grab	5/6/2016 6:50:00 AM	Copper	Water	1.53		0.001	mg/L	1
E1605027-09A	C509 Rm 118 Grab	5/6/2016 6:50:00 AM	Lead	Water	0.301		0.001	mg/L	1

* Non-NELAP Standards ** Sub Contracted
J - Analyte detected below quanititation limits
TNTC: Too numerous to count

Approved by: Niveditha Nanda, Technical Manager

NELAP Certificate# San Antonio : T104704367-16-5; El Paso : T104704432-15-5

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client. Reproduction of this report wholly or in part requires written permission of the client.

CLIENT: Dept of Aging & Disability Service **Project:** EPSSLC Lead/Copper Potable Water Testing
Lab Order: E1605027

Alamo Lab ID	Client ID	Collection Date	Analyses	Matrix	Result	Qua	Rpt Limit	Units	DF
E1605027-10A	C509 Rm 128 Composite	5/6/2016 6:53:00 AM	Copper	Water	0.0955		0.001	mg/L	1
E1605027-10A	C509 Rm 128 Composite	5/6/2016 6:53:00 AM	Lead	Water	< 0.001		0.001	mg/L	1
E1605027-11A	C509 Rm 134 Grab	5/6/2016 6:55:00 AM	Copper	Water	0.503		0.001	mg/L	1
E1605027-11A	C509 Rm 134 Grab	5/6/2016 6:55:00 AM	Lead	Water	0.0057		0.001	mg/L	1
E1605027-12A	C509 Rm 134 Compsite	5/6/2016 6:59:00 AM	Copper	Water	0.0897		0.001	mg/L	1
E1605027-12A	C509 Rm 134 Compsite	5/6/2016 6:59:00 AM	Lead	Water	< 0.001		0.001	mg/L	1
E1605027-13A	C509 Rm 104 R Grab	5/6/2016 7:04:00 AM	Copper	Water	0.613		0.001	mg/L	1
E1605027-13A	C509 Rm 104 R Grab	5/6/2016 7:04:00 AM	Lead	Water	0.0109		0.001	mg/L	1
E1605027-14A	C509 Rm 104 R Composite	5/6/2016 7:07:00 AM	Copper	Water	0.0915		0.001	mg/L	1
E1605027-14A	C509 Rm 104 R Composite	5/6/2016 7:07:00 AM	Lead	Water	< 0.001		0.001	mg/L	1
E1605027-15A	C509 Rm 104 L Grab	5/6/2016 7:09:00 AM	Copper	Water	0.168		0.001	mg/L	1
E1605027-15A	C509 Rm 104 L Grab	5/6/2016 7:09:00 AM	Lead	Water	0.0033		0.001	mg/L	1
E1605027-16A	C509 Rm 104 L Composite	5/6/2016 7:13:00 AM	Copper	Water	0.0883		0.001	mg/L	1
E1605027-16A	C509 Rm 104 L Composite	5/6/2016 7:13:00 AM	Lead	Water	< 0.001		0.001	mg/L	1
E1605027-17A	C509 Rm 124 Grab	5/6/2016 7:15:00 AM	Copper	Water	0.713		0.001	mg/L	1
E1605027-17A	C509 Rm 124 Grab	5/6/2016 7:15:00 AM	Lead	Water	0.0156		0.001	mg/L	1
E1605027-18A	C509 Rm 124 Composite	5/6/2016 7:18:00 AM	Copper	Water	0.0762		0.001	mg/L	1
E1605027-18A	C509 Rm 124 Composite	5/6/2016 7:18:00 AM	Lead	Water	< 0.001		0.001	mg/L	1
E1605027-19A	Campus Main Composite	5/6/2016 10:45:00 AM	Copper	Water	0.0031		0.001	mg/L	1
E1605027-19A	Campus Main Composite	5/6/2016 10:45:00 AM	Lead	Water	0.0032		0.001	mg/L	1

* Non-NELAP Standards ** Sub Contracted
J - Analyte detected below quanititation limits
TNTC: Too numerous to count

Approved by: Niveditha Nanda, Technical Manager

NELAP Certificate# San Antonio : T104704367-16-5; El Paso : T104704432-15-5

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client. Reproduction of this report wholly or in part requires written permission of the client.

ALAMO ANALYTICAL LABORATORIES, LTD.

Date: *11-May-16*

CLIENT: Dept of Aging & Disability Service

Work Order: E1605027 **Project:** EPSSLC Lead/Copper Potable Water Testing

QC SUMMARY REPORT

Analyte	BLK	SPK value	LCS %REC	LCSD %REC	RPD %	RPD Limit	MS %REC	MSD %REC	RPD %	RPD Limit	Low - High Limit
Batch ID: 200.8-5/11/2016	**TestName:** ICP/MS Metals										
Run ID: ICP_160511A	**Test Code:** E200.8					**Units:** mg/L		**Analysis Date:** 5/11/2016			**Prep Date:** 5/11/2016
Copper	<0.001	0.05	99.6%								85 - 115
Lead	<0.001	0.05	99.6%				104.2%	103.0%	1.000	20.0	85 - 115

Approved by: Niveditha Nanda, Technical Man

NELAP Certificate# San Antonio : T104704367-16-5; El Paso : T104704432-13-2

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client. Reproduction of this report wholly or in part requires written permission of the client.

ALAMO ANALYTICAL LABORATORIES LTD.

CHAIN OF CUSTODY RECORD

COC#: 11068

ACCREDITED IN ACCORDANCE WITH nelac
NELAC Certificate #. T104704367-10-3

Main Office: 10526 Gulfdale
San Antonio, Texas 78216
(210) 340-8121 • Fax (210) 340-8

2500 Montana
El Paso, TX 79903
915-599-2182

admin@alamoanalytical.com

MUST BE COMPLETED BY CLIENT

Alamo's Client: Texas Dept of Aging + Disability Services	Client's P.O. #: 53900-6-0000086044
Project Manager: James W. Lannon	Phone #: 915 782 6455
Address: 6700 Delta Drive El Paso Tx 79905	Fax #: 915 782 6375
Project Number: EPSSLC Lead/Copper Potable Water Testing	Project Name:
Project Location: 6700 Delta Drive El Paso Tx 79905	Sampler Signature:

Turnaround time: Standard(7) (in working days)

RUSH: 1☐ 2☐ 3-5☐ **Days** (additional charges)

TRRP 13 Report: Yes☐ No☐ (additional charges)

Analysis for Permit Compliance: Yes☐ No☐

DMR Form Required: Yes☐ No☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	ANALYSIS: Copper	ANALYSIS: Lead						REMARKS (Preservation, Size/A
E1605027-01	5/6/16	6:15am		X	Water		C509 Rm 112 Grab		X	X						
-02	5/6/16	6:18am	X		Water		C509 Rm 112 Composite		X	X						
-03	5/6/16	6:22am		X	Water		C509 Rm 109 Grab		X	X						
-04	5/6/16	6:25am	X		Water		C509 Rm 109 Composite		X	X						
-05	5/6/16	6:32am		X	Water		C509 Rm 121L Grab		X	X						
-06	5/6/16	6:35am	X		Water		C509 Rm 121L Composite		X	X						
-07	5/6/16	6:38am		X	Water		C509 Rm 121R Grab		X	X						
-08	5/6/16	6:40am	X		Water		C509 Rm 121R Composite		X	X						
-09	5/6/16	6:50am		X	Water		C509 Rm 128 Grab		X	X						
-10	5/6/16	6:53am	X		Water		C509 Rm 128 Composite		X	X						

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
	5/6/16	11:49am	
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
	5/6/16	1149	
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)

Headspace			If Yes, Amt.
Properly Sealed	✓		If No, Explain
Chilled ≤4° C	✓		If No, Temp.

Comments:

ALAMO ANALYTICAL LABORATORIES LTD.

CHAIN OF CUSTODY RECORD

COC#: 11128

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NELAC Certificate #. T104704367-10-3

Main Office: 10526 Gulfdale
San Antonio, Texas 78216
(210) 340-8121 • Fax (210) 340-8

2500 Montana
El Paso, TX 79903
915-599-2182

MUST BE COMPLETED BY CLIENT

Alamo's Client: Texas Dept of Aging + Disability Services
Client's P.O. #: 53900-6-0000086044
Project Manager: James W. Lannon
Phone #: 915 782 6455
Address: 6700 Delta Drive El Paso Tx 79905
Fax #: 915 782 6375
Project Number: EPSSLC
Project Name: Lead / Copper Potable Water Testing
Project Location: 6700 Delta Drive El Paso Tx 79905
Sampler Signature: J. W. Lannon

Turnaround time: Standard(7)■ (in working days)

RUSH: 1☐ 2☐ 3-5☐ **Days** (additional charges)

TRRP 13 Report: Yes☐ No☐ (additional charges)

Analysis for Permit Compliance: Yes☐ No☐

DMR Form Required: Yes☐ No☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	ANALYSIS: Copper	ANALYSIS: Lead						REMARKS (Preservation, Size/A
E605027-11	5/6/16	6:55 AM		X	Water		C509 Rm 134 Grab		X	X						
-12	5/6/16	6:59 AM	X		Water		C509 Rm 134 Composite		X	X						
-13	5/6/16	7:04 AM		X	Water		C509 Rm 104 R Grab		X	X						
-14	5/6/16	7:07 AM	X		Water		C509 Rm 104 R Composite		X	X						
-15	5/6/16	7:09 AM		X	Water		C509 Rm 104 L Grab		X	X						
-16	5/6/16	7:13 AM	X		Water		C509 Rm 104 L Composite		X	X						
-17	5/6/16	7:15 AM		X	Water		C509 Rm 124 Grab		X	X						
-18	5/6/16	7:18 AM	X		Water		C509 Rm 124 Composite		X	X						
	~~5/6/16~~	~~7:35~~		~~X~~	~~Water~~		~~C509 Rm 112A Grab~~		~~X~~	~~X~~						
	~~5/6/16~~	~~7:40~~	~~X~~		~~Water~~		~~C509 Rm 112A Composite~~		~~X~~	~~X~~						

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
J. W. Lannon	5/6/16	11:48 AM	
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
	5/6/16	11:49	
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
		5/6/16	
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)

Headspace			If Yes, Amt.
Properly Sealed	–		If No, Explain
Chilled ≤4° C	–		If No, Temp.

Comments:

ALAMO ANALYTICAL LABORATORIES LTD.

CHAIN OF CUSTODY RECORD

COC#: 11130

ACCREDITED IN ACCORDANCE WITH nelac
NELAC Certificate #. T104704367-10-3

Main Office: 10526 Gulfdale
San Antonio, Texas 78216
(210) 340-8121 • Fax (210) 340-8

2500 Montana
El Paso, TX 79903
915-599-2182

MUST BE COMPLETED BY CLIENT

Alamo's Client: Dept of Aging & Disability Services	Client's P.O. #: 53900-6-00000086044
Project Manager: James W. Lannon	Phone #: 915 782-6455
Address: 6700 Delta Drive El Paso TX 79905	Fax #: 915 782 6375
Project Number: EPSSLC Lead / Copper	Project Name: Potable Water Testing
Project Location: 6700 Delta Drive El Paso TX 79905	Sampler Signature:

Turnaround time: Standard(7)■ (in working days)

RUSH: 1☐ 2☐ 3-5☐ **Days** (additional charges)

TRRP 13 Report: Yes☐ No☐ (additional charges)

Analysis for Permit Compliance: Yes☐ No☐

DMR Form Required: Yes☐ No☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	ANALYSIS Copper	ANALYSIS Lead						REMARKS (Preservation, Size/A
	~~5/6/16~~	~~7:50~~	~~X~~		~~Water~~		~~CJ09 Rm 126 Composite~~		~~X~~	~~X~~						
E1605027-19	5/6/16	10:45	X		Water		Campus Main Composite		X	X						

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
	5/6/16	11:49 AM	
Relinquished by: (Signature / Print Name)	5/6/16	1149	
Relinquished by: (Signature / Print Name)			
Relinquished by: (Signature / Print Name)			

Headspace			If Yes, Amt.
Properly Sealed	—		If No, Explain
Chilled ≤4° C	—		If No, Temp.

Comments:

ALAMO ANALYTICAL LABORATORIES, LTD.

10526 Gulfdale
San Antonio, TX – 78216;
Ph. (210) 340-8121; Fax: (210) 340-8123

2500 Montana Ave.
El Paso, TX – 79903
Ph. (915) 599-2182

www.alamoanalytical.com; (800) 572-6955

Sample Log-In Checklist

DATE: 5 / 6 / 2016 **TIME:** 1200 **INITIALS:** AG

CLIENT: Texas Dept. Aging **PROJECT: W.O#** E 160 5027

1. Is a Chain of Custody present? Yes No
2. Is a Chain of Custody properly completed? Yes No
3. Are custody seals present? Yes No
   If yes, are they intact? Yes No
   Are they on: Sample _____ or on Shipping Container _____
4. Are all samples tagged or labeled? Yes No
   If yes, do the labels match the Chain of Custody? Yes No
5. Do all shipping documents agree (i.e., number of coolers arrived vs. on tickets)
   If not, describe below. Yes No N/A
6. Are samples preserved properly? *If not*, describe below. Yes No
7. Are all samples within holding times on arrival? Yes No
   If not, describe below.

Other

8. Condition of shipping container: Intact ✓ or _____
9. Condition of samples: Intact ✓ or _____
10. Temperature of samples: 4
11. Delivery agent: Client ✓ UPS ___ Fed-Ex ___ Lone Star ___ Alamo P/U ___ Other _____
12. Sample disposal: Return to client _____ Alamo Analytical Disposal ✓

Comments: (Reference checklist item number from above, or for comments on resolution below):

STD
Water

Record of contacting client for resolution of sample discrepancies (first and retry contact)
Contacted How?

Name: _____ Phone ___ Fax ___ Date: ___/___/___ Time: _____
Name: _____ Phone ___ Fax ___ Date: ___/___/___ Time: _____

ALAMO ANALYTICAL LABORATORIES, LTD.
Main: 10526 Gulfdale • San Antonio, Texas 78216-3601 • (210) 340-8121 . Fax. (210) 340-8123
Branch: 2500 Montana Avenue, El Paso, TX - 79903; (915) 599-2182

REPORT NARRATIVE 5/20/2016

James Lannon
Dept of Aging & Disability Service
6700 Delta Drive
El Paso , Texas - 79905
TEL: (915) 782-6455 Email: james.lannon@dads.state.tx.us
FAX: (915) 782-6375

RE: EPSSLC Lead/Copper Potable Water Testing

Dear James Lannon: Order No. E1605053

Enclosed please find the analytical report for the sample/s received on 5/12/2016.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the Sample Acceptance Policy unless otherwise noted in the report.
DATA: Sample were prepared, analyzed and reported using the methods outlined in the following references: Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition
QA/QC: All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives, except as noted in the report with data qualifiers.

SUBCONTRACTED: Analyses were subcontracted.

COMMENTS: Sample#s E1605053-14, 16, 29, 30 and 57 samples were not received. No significant observations were made.

Sincerely,

Niveditha Nanda
Technical Manager
Alamo Analytical Laboratories, LTD

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client.
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SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

Summit Environmental Technologies, In
3310 Win S
Cuyahoga Falls, Ohio 442
TEL: (330) 253-8211 FAX: (330) 253-448
Website: http://www.settek.co

Qualifiers and Acronyms

WO#: **16051049**
Date: **5/20/2016**

These commonly used Qualifiers and Acronyms may or may not be present in this report.

Qualifiers

U	The compound was analyzed for but was not detected.
J	The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
H	The hold time for sample preparation and/or analysis was exceeded.
D	The result is reported from a dilution.
E	The result exceeded the linear range of the calibration or is estimated due to interference.
MC	The result is below the Minimum Compound Limit.
*	The result exceeds the Regulatory Limit or Maximum Contamination Limit.
m	Manual integration was used to determine the area response.
N	The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
P	The second column confirmation exceeded 25% difference.
C	The result has been confirmed by GC/MS.
X	The result was not confirmed when GC/MS Analysis was performed.
B/MB+	The analyte was detected in the associated blank.
G	The ICB or CCB contained reportable amounts of analyte.
QC-/+	The CCV recovery failed low (-) or high (+).
R/QDR	The RPD was outside of accepted recovery limits.
QL-/+	The LCS or LCSD recovery failed low (-) or high (+).
QLR	The LCS/LCSD RPD was outside of accepted recovery limits.
QM-/–	The MS or MSD recovery failed low (-) or high (+).
QMR	The MS/MSD RPD was outside of accepted recovery limits.
QV-/+	The ICV recovery failed low (-) or high (+).
S	The spike result was outside of accepted recovery limits.
Z	Deviation; A deviation from the method was performed; Please refer to the Case Narrative for additional information

Acronyms

ND	Not Detected	**RL**	Reporting Limit
QC	Quality Control	**MDL**	Method Detection Limit
MB	Method Blank	**LOD**	Level of Detection
LCS	Laboratory Control Sample	**LOQ**	Level of Quantitation
LCSD	Laboratory Control Sample Duplicate	**PQL**	Practical Quantitation Limit
QCS	Quality Control Sample	**CRQL**	Contract Required Quantitation Limit
DUP	Duplicate	**PL**	Permit Limit
MS	Matrix Spike	**RegLvl**	Regulatory Limit
MSD	Matrix Spike Duplicate	**MCL**	Maximum Contamination Limit
RPD	Relative Percent Different	**MinCL**	Minimum Compound Limit
ICV	Initial Calibration Verification	**RA**	Reanalysis
ICB	Initial Calibration Blank	**RE**	Reextraction
CCV	Continuing Calibration Verification	**TIC**	Tentatively Identified Compound
CCB	Continuing Calibration Blank	**RT**	Retention Time
RLC	Reporting Limit Check	**CF**	Calibration Factor
DF	Dilution Factor	**RF**	Response Factor

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

WO#: **16051049**
Date Reported: **5/20/2016**
Company: Alamo Analytical Laboratories, Ltd
Address: 10526 Gulfdale
San Antonio TX 78216
Received: 5/17/2016

Lab#		Collected	Analyte	Result Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Ana
E1605053-01	001	5/12/2016	Copper	0.624 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	Cl
E1605053-01	001	5/12/2016	Lead	0.00440 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-02	002	5/12/2016	Copper	0.206 mg/L	QC-	Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	Cl
E1605053-02	002	5/12/2016	Lead	0.00113 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-03	003	5/12/2016	Copper	0.802 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	Cl
E1605053-03	003	5/12/2016	Lead	0.0385 mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-04	004	5/12/2016	Copper	0.125 mg/L	QC-	Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	Cl
E1605053-04	004	5/12/2016	Lead	0.00439 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-05	005	5/12/2016	Copper	0.256 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/19/2016	Cl
E1605053-05	005	5/12/2016	Lead	0.00696 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/20/2016	MF
E1605053-06	006	5/12/2016	Copper	0.120 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/19/2016	Cl
E1605053-06	006	5/12/2016	Lead	0.00219 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/20/2016	MF
E1605053-07	007	5/12/2016	Copper	0.878 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	Cl
E1605053-07	007	5/12/2016	Lead	0.0201 mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-08	008	5/12/2016	Copper	0.156 mg/L	QC-	Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	Cl
E1605053-08	008	5/12/2016	Lead	0.0117 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-09	009	5/12/2016	Copper	0.187 mg/L	QC-	Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	Cl
E1605053-09	009	5/12/2016	Lead	0.00294 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-10	010	5/12/2016	Copper	0.0523 mg/L	QC-	Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	Cl
E1605053-10	010	5/12/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-11	011	5/12/2016	Copper	1.10 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	Cl
E1605053-11	011	5/12/2016	Lead	0.0230 mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-12	012	5/12/2016	Copper	0.0643 mg/L	QC-	Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	Cl
E1605053-12	012	5/12/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl

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Website: http://www.settek.com

WO#: **16051049**
Date Reported: **5/20/2016**
Company: Alamo Analytical Laboratories, Ltd
Address: 10526 Gulfdale
San Antonio TX 78216
Received: 5/17/2016

Client ID#	Lab#	Collected	Analyte	Result Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Ana
E1605053-13	013	5/12/2016	Copper	0.181 mg/L	QC-	Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	CI
E1605053-13	013	5/12/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E1605053-15	014	5/12/2016	Copper	0.422 mg/L	QC-	Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	CI
E1605053-15	014	5/12/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E1605053-17	015	5/12/2016	Copper	0.641 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	CI
E1605053-17	015	5/12/2016	Lead	0.0102 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/20/2016	MF
E1605053-18	016	5/12/2016	Copper	0.196 mg/L	QC-	Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	CI
E1605053-18	016	5/12/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E1605053-19	017	5/12/2016	Copper	1.14 mg/L	QL-	Drinking Water	EPA 200.8	10	0.00511	0.0100	5/20/2016	MF
E1605053-19	017	5/12/2016	Lead	0.0465 mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/20/2016	MF
E1605053-20	018	5/12/2016	Copper	0.0902 mg/L	QC-	Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	CI
E1605053-20	018	5/12/2016	Lead	0.00150 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E1605053-21	019	5/12/2016	Copper	0.394 mg/L	QC-	Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	CI
E1605053-21	019	5/12/2016	Lead	0.00626 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E1605053-22	020	5/12/2016	Copper	0.0928 mg/L	QC-	Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	CI
E1605053-22	020	5/12/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E1605053-23	021	5/12/2016	Copper	0.842 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	CI
E1605053-23	021	5/12/2016	Lead	0.0518 mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E1605053-24	022	5/12/2016	Copper	0.356 mg/L	QC-	Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	CI
E1605053-24	022	5/12/2016	Lead	0.00101 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E1605053-25	023	5/12/2016	Copper	0.481 mg/L	QC-	Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	CI
E1605053-25	023	5/12/2016	Lead	0.00717 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E1605053-26	024	5/12/2016	Copper	0.198 mg/L	QC-	Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	CI
E1605053-26	024	5/12/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI

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WO#: **16051049**
Date Reported: **5/20/2016**
Company: Alamo Analytical Laboratories, Ltd
Address: 10526 Gulfdale
San Antonio TX 78216
Received: 5/17/2016

Client ID#	Lab#	Collected	Analyte	Result Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Ana
E1605053-27	025	5/12/2016	Copper	0.338 mg/L	QC-	Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	Cl
E1605053-27	025	5/12/2016	Lead	0.0739 mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-28	026	5/12/2016	Copper	0.0479 mg/L	QC-	Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	Cl
E1605053-28	026	5/12/2016	Lead	0.00103 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-31	027	5/12/2016	Copper	0.725 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	Cl
E1605053-31	027	5/12/2016	Lead	0.0295 mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-32	028	5/12/2016	Copper	0.355 mg/L	QC-	Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	Cl
E1605053-32	028	5/12/2016	Lead	0.00121 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-33	029	5/12/2016	Copper	0.924 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	Cl
E1605053-33	029	5/12/2016	Lead	0.00501 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-34	030	5/12/2016	Copper	0.525 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	Cl
E1605053-34	030	5/12/2016	Lead	0.00115 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-35	031	5/12/2016	Copper	0.284 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/19/2016	Cl
E1605053-35	031	5/12/2016	Lead	0.00364 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-36	032	5/12/2016	Copper	0.338 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/19/2016	Cl
E1605053-36	032	5/12/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-37	033	5/12/2016	Copper	0.544 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	Cl
E1605053-37	033	5/12/2016	Lead	0.00837 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-38	034	5/12/2016	Copper	0.387 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/19/2016	Cl
E1605053-38	034	5/12/2016	Lead	0.00147 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-39	035	5/12/2016	Copper	0.782 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	Cl
E1605053-39	035	5/12/2016	Lead	0.0596 mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-40	036	5/12/2016	Copper	0.464 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	Cl
E1605053-40	036	5/12/2016	Lead	0.0170 mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl

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WO#: **16051049**
Date Reported: **5/20/2016**
Company: Alamo Analytical Laboratories, Ltd
Address: 10526 Gulfdale
San Antonio TX 78216
Received: 5/17/2016

Client ID#	Lab#	Collected	Analyte	Result Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Ana
E1605053-41	037	5/12/2016	Copper	0.00934 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/19/2016	Cl
E1605053-41	037	5/12/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-42	038	5/12/2016	Copper	0.0138 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/19/2016	Cl
E1605053-42	038	5/12/2016	Lead	ND mg/L	QM+Q MR	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-43	039	5/12/2016	Copper	0.0749 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/19/2016	Cl
E1605053-43	039	5/12/2016	Lead	0.0117 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-44	040	5/12/2016	Copper	0.242 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/19/2016	Cl
E1605053-44	040	5/12/2016	Lead	0.0210 mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-45	041	5/12/2016	Copper	0.0113 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/19/2016	Cl
E1605053-45	041	5/12/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-46	042	5/12/2016	Copper	0.0112 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/19/2016	Cl
E1605053-46	042	5/12/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-47	043	5/12/2016	Copper	0.00913 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/19/2016	Cl
E1605053-47	043	5/12/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-48	044	5/12/2016	Copper	0.0161 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/19/2016	Cl
E1605053-48	044	5/12/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-49	045	5/12/2016	Copper	0.00960 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/19/2016	Cl
E1605053-49	045	5/12/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-50	046	5/12/2016	Copper	0.0125 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/19/2016	Cl
E1605053-50	046	5/12/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-51	047	5/12/2016	Copper	0.00607 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/19/2016	Cl
E1605053-51	047	5/12/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-52	048	5/12/2016	Copper	0.00515 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/19/2016	Cl
E1605053-52	048	5/12/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl

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Date Reported: **5/20/2016**
Company: Alamo Analytical Laboratories, Ltd
Address: 10526 Gulfdale
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Received: 5/17/2016

Client ID#	Lab#	Collected	Analyte	Result Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Ana
E1605053-53	049	5/12/2016	Copper	0.00932 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/19/2016	Cl
E1605053-53	049	5/12/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-54	050	5/12/2016	Copper	0.00719 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/19/2016	Cl
E1605053-54	050	5/12/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/20/2016	MF
E1605053-55	051	5/12/2016	Copper	0.0209 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/19/2016	Cl
E1605053-55	051	5/12/2016	Lead	0.00169 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E1605053-56	052	5/12/2016	Copper	0.00800 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/19/2016	Cl
E1605053-56	052	5/12/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl

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QC SUMMARY REPORT

WO#: **16051049**
20-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E165053 **BatchID:** **20586**

Sample ID **MB-20586** SampType: **MBLK** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Client ID: **PBW** Batch ID: **20586** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858012**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.00100									QC-
Lead	ND	0.00100									

Sample ID **LCS-20586** SampType: **LCS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Client ID: **LCSW** Batch ID: **20586** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858013**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0472	0.00100	0.0500	0	94.4	85	115				QC-
Lead	0.0483	0.00100	0.0500	0	96.5	85	115				

Sample ID **16051049-001ADUP** SampType: **DUP** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20586** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858015**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.597	0.00100						0	200	20	ROC-
Lead	0.00436	0.00100						0.00440	0.913	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **16051049**
20-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E165053 **BatchID:** **20586**

Sample ID **16051049-001AMS** SampType: **MS** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20586** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858016**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.653	0.00100	0.0500	0	1310	70	130				SQC-
Lead	0.0561	0.00100	0.0500	0.00440	103	70	130				

Sample ID **16051049-001AMSD** SampType: **MSD** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20586** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858017**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.652	0.00100	0.0500	0	1300	70	130	0.653	0.146	20	SQC-
Lead	0.0564	0.00100	0.0500	0.00440	104	70	130	0.0561	0.462	20	

Sample ID **16051049-002ADUP** SampType: **DUP** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20586** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858019**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.207	0.00100						0.206	0.616	20	QC-
Lead	0.00113	0.00100						0.00113	0	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **16051049**
20-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E165053 **BatchID:** **20586**

Sample ID **16051049-002AMS** SampType: **MS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20586** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858020**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.254	0.00100	0.0500	0.206	97.5	70	130				QC-
Lead	0.0532	0.00100	0.0500	0.00113	104	70	130				

Sample ID **16051049-002AMSD** SampType: **MSD** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20586** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858021**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.256	0.00100	0.0500	0.206	101	70	130	0.254	0.662	20	QC-
Lead	0.0547	0.00100	0.0500	0.00113	107	70	130	0.0532	2.76	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **16051049**
20-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E165053 **BatchID:** **20588**

Sample ID **16051049-038ADUP** SampType: **DUP** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53971**
Batch ID: **20588** TestNo: **E200.8** **E200.2** Analysis Date: **5/19/2016** SeqNo: **858385**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0128	0.00100						0	200	20	R

Sample ID **16051049-039ADUP** SampType: **DUP** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53971**
Batch ID: **20588** TestNo: **E200.8** **E200.2** Analysis Date: **5/19/2016** SeqNo: **858687**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0762	0.00100						0	200	20	R

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **16051049**
20-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E165053 **BatchID:** **20588**

Sample ID **MB-20588** SampType: **MBLK** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Client ID: **PBW** Batch ID: **20588** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858061**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.00100									QC-
Lead	ND	0.00100									

Sample ID **LCS-20588** SampType: **LCS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Client ID: **LCSW** Batch ID: **20588** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858062**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0444	0.00100	0.0500	0	88.9	85	115				QC-
Lead	0.0466	0.00100	0.0500	0	93.2	85	115				

Sample ID **16051049-038ADUP** SampType: **DUP** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20588** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858081**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.00100						0	0	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
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QC SUMMARY REPORT

WO#: **16051049**
20-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E165053 **BatchID:** **20588**

Sample ID **16051049-038AMS** SampType: **MS** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20588** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858082**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0695	0.00100	0.0500	0.000640	138	70	130				SQMR

Sample ID **16051049-038AMSD** SampType: **MSD** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20588** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858083**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0478	0.00100	0.0500	0.000640	94.2	70	130	0.0695	37.0	20	R

Sample ID **16051049-039ADUP** SampType: **DUP** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20588** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858085**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0116	0.00100						0.0117	0.0858	20	

Sample ID **16051049-039AMS** SampType: **MS** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20588** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858086**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0585	0.00100	0.0500	0.0117	93.6	70	130				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **16051049**
20-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E165053 **BatchID:** **20588**

Sample ID **16051049-039AMS** SampType: **MS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20588** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858086**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID **16051049-039AMSD** SampType: **MSD** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20588** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858087**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0584	0.00100	0.0500	0.0117	93.4	70	130	0.0585	0.188	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
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QC SUMMARY REPORT

WO#: **16051049**
20-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E165053 **BatchID:** **20589**

Sample ID **LCS-20589** SampType: **LCS** TestCode: **MTL-ICPMS_** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **54005**
Client ID: **LCSW** Batch ID: **20589** TestNo: **E200.8** **E200.2** Analysis Date: **5/20/2016** SeqNo: **859427**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0499	0.00100	0.0500	0	99.8	85	115				

Sample ID **MB-20589** SampType: **MBLK** TestCode: **MTL-ICPMS_** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **54005**
Client ID: **PBW** Batch ID: **20589** TestNo: **E200.8** **E200.2** Analysis Date: **5/20/2016** SeqNo: **859428**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.00100									

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
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QC SUMMARY REPORT

WO#: **16051049**
20-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E165053 **BatchID:** **20589**

Sample ID **LCS-20589** SampType: **LCS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53971**
Client ID: **LCSW** Batch ID: **20589** TestNo: **E200.8** **E200.2** Analysis Date: **5/19/2016** SeqNo: **858413**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0491	0.00100	0.0500	0	98.1	85	115				

Sample ID **MB-20589** SampType: **MBLK** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53971**
Client ID: **PBW** Batch ID: **20589** TestNo: **E200.8** **E200.2** Analysis Date: **5/19/2016** SeqNo: **858414**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.00100									

Sample ID **16051049-041ADUP** SampType: **DUP** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53971**
Batch ID: **20589** TestNo: **E200.8** **E200.2** Analysis Date: **5/19/2016** SeqNo: **858730**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0114	0.00100						0	200	20	R

Sample ID **16051049-041AMS** SampType: **MS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53971**
Batch ID: **20589** TestNo: **E200.8** **E200.2** Analysis Date: **5/19/2016** SeqNo: **858731**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0587	0.00100	0.0500	0	117	70	130				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
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QC SUMMARY REPORT

WO#: **16051049**
20-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E165053 **BatchID:** **20589**

Sample ID **16051049-041AMS** SampType: **MS** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53971**
Batch ID: **20589** TestNo: **E200.8** **E200.2** Analysis Date: **5/19/2016** SeqNo: **858731**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID **16051049-041AMSD** SampType: **MSD** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53971**
Batch ID: **20589** TestNo: **E200.8** **E200.2** Analysis Date: **5/19/2016** SeqNo: **858732**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0595	0.00100	0.0500	0	119	70	130	0	200	20	R

Sample ID **16051049-042ADUP** SampType: **DUP** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53971**
Batch ID: **20589** TestNo: **E200.8** **E200.2** Analysis Date: **5/19/2016** SeqNo: **858734**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0112	0.00100						0	200	20	R

Sample ID **16051049-042AMS** SampType: **MS** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53971**
Batch ID: **20589** TestNo: **E200.8** **E200.2** Analysis Date: **5/19/2016** SeqNo: **858735**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0614	0.00100	0.0500	0	123	70	130				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
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QC SUMMARY REPORT

WO#: **16051049**
20-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E165053 **BatchID:** **20589**

Sample ID **16051049-042AMSD** SampType: **MSD** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53971**
Batch ID: **20589** TestNo: **E200.8** **E200.2** Analysis Date: **5/19/2016** SeqNo: **858736**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0604	0.00100	0.0500	0	121	70	130	0	200	20	R

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **16051049**
20-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E165053 **BatchID:** **20589**

Sample ID **MB-20589** SampType: **MBLK** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Client ID: **PBW** Batch ID: **20589** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858124**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.00100									

Sample ID **LCS-20589** SampType: **LCS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Client ID: **LCSW** Batch ID: **20589** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858125**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0456	0.00100	0.0500	0	91.3	85	115				

Sample ID **16051049-041ADUP** SampType: **DUP** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20589** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858127**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.00100						0	0	20	

Sample ID **16051049-041AMS** SampType: **MS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20589** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858128**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0474	0.00100	0.0500	0.000200	94.5	70	130				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
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QC SUMMARY REPORT

WO#: **16051049**
20-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E165053 **BatchID:** **20589**

Sample ID **16051049-041AMS** SampType: **MS** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20589** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858128**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID **16051049-041AMSD** SampType: **MSD** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20589** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858129**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0477	0.00100	0.0500	0.000200	95.0	70	130	0.0474	0.568	20	

Sample ID **16051049-042ADUP** SampType: **DUP** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20589** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858131**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.00100						0	0	20	

Sample ID **16051049-042AMS** SampType: **MS** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20589** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858132**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0480	0.00100	0.0500	0.000480	94.9	70	130				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
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QC SUMMARY REPORT

WO#: **16051049**
20-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E165053 **BatchID:** **20589**

Sample ID **16051049-042AMSD** SampType: **MSD** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20589** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858133**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0488	0.00100	0.0500	0.000480	96.7	70	130	0.0480	1.84	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **16051049**
20-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E165053 **BatchID:** **20593**

Sample ID **MB-20593** SampType: **MBLK** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **54005**
Client ID: **PBW** Batch ID: **20593** TestNo: **E200.8** **E200.2** Analysis Date: **5/20/2016** SeqNo: **859317**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.00100									

Sample ID **LCS-20593** SampType: **LCS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **54005**
Client ID: **LCSW** Batch ID: **20593** TestNo: **E200.8** **E200.2** Analysis Date: **5/20/2016** SeqNo: **859318**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0536	0.00100	0.0500	0	107	85	115				

Sample ID **16051049-006ADUP** SampType: **DUP** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **54005**
Client ID: **E165053-06** Batch ID: **20593** TestNo: **E200.8** **E200.2** Analysis Date: **5/20/2016** SeqNo: **859360**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00211	0.00100						0.00219	3.72	20	

Sample ID **16051049-006AMS** SampType: **MS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **54005**
Batch ID: **20593** TestNo: **E200.8** **E200.2** Analysis Date: **5/20/2016** SeqNo: **859361**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0637	0.00100	0.0500	0.00219	123	70	130				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **16051049**
20-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E165053 **BatchID:** **20593**

Sample ID **16051049-006AMS** SampType: **MS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **54005**
Batch ID: **20593** TestNo: **E200.8** **E200.2** Analysis Date: **5/20/2016** SeqNo: **859361**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID **16051049-006AMSD** SampType: **MSD** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **54005**
Batch ID: **20593** TestNo: **E200.8** **E200.2** Analysis Date: **5/20/2016** SeqNo: **859362**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0628	0.00100	0.0500	0.00219	121	70	130	0.0637	1.39	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **16051049**
20-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E165053 **BatchID:** **20593**

Sample ID **16051049-006ADUP** SampType: **DUP** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53971**
Batch ID: **20593** TestNo: **E200.8** **E200.2** Analysis Date: **5/19/2016** SeqNo: **858425**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.117	0.00100						0.120	2.38	20	

Sample ID **16051049-006AMS** SampType: **MS** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53971**
Batch ID: **20593** TestNo: **E200.8** **E200.2** Analysis Date: **5/19/2016** SeqNo: **858427**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.167	0.00100	0.0500	0.120	94.2	70	130				

Sample ID **16051049-006AMSD** SampType: **MSD** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53971**
Batch ID: **20593** TestNo: **E200.8** **E200.2** Analysis Date: **5/19/2016** SeqNo: **858428**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.162	0.00100	0.0500	0.120	84.3	70	130	0.167	2.93	20	

Sample ID **MB-20593** SampType: **MBLK** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53971**
Client ID: **PBW** Batch ID: **20593** TestNo: **E200.8** **E200.2** Analysis Date: **5/19/2016** SeqNo: **858639**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.00100									

Qualifiers:

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H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **16051049**
20-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E165053 **BatchID:** **20593**

Sample ID	MB-20593	SampType:	MBLK	TestCode:	Mtl-ICPMS_D	Units:	mg/L	Prep Date:	5/18/2016	RunNo:	53971
Client ID:	PBW	Batch ID:	20593	TestNo:	E200.8	E200.2		Analysis Date:	5/19/2016	SeqNo:	858639

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID	LCS-20593	SampType:	LCS	TestCode:	Mtl-ICPMS_D	Units:	mg/L	Prep Date:	5/18/2016	RunNo:	53971
Client ID:	LCSW	Batch ID:	20593	TestNo:	E200.8	E200.2		Analysis Date:	5/19/2016	SeqNo:	858640

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0521	0.00100	0.0500	0	104	85	115				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **16051049**
20-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E165053 **BatchID:** **20593**

Sample ID **MB-20593** SampType: **MBLK** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Client ID: **PBW** Batch ID: **20593** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858147**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.00100									

Sample ID **LCS-20593** SampType: **LCS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Client ID: **LCSW** Batch ID: **20593** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858148**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0463	0.00100	0.0500	0	92.5	85	115				

Qualifiers:

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H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
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3310 Win Street
Cuyahoga Falls, Ohio 44223
800-278-0140

Analysis Request / Chain of Custody

For Summit Environmental Technologies, Inc. use only

 SET No.

Client Name: Alamo Analytical Labs	Project Identification:
Client Address: 10526 Gulfdale, San Antonio, TX-78216	Project Address: Drinking Water
Client Phone: (210) 340-8121	Report To: Dr. Reddy Gosala
Client Fax No.: (210) 340-8123 √ to Receive Results by Fax ☐	PO Number:
Contact Person: Dr. Reddy Gosala	Quote Number:
Sampled By:	☐ √ if Ohio VAP Samples

Analytical Parameters and Methods

#	Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: S=Solid, L=Liquid, O=Oil SL=Sludge, A=Air	Preservative	Number of Containers	Copper and Lead (200.8)							
	502 Rm119 (E1605053-01A)	05/12/16	4:10	X		DW	Y		X							
	502 Rm119 (E1605053-02A)	05/12/16	4:13		X	DW	Y		X							
	502 Rm117 (E1605053-03A)	05/12/16	4:14	X		DW	Y		X							
	502 Rm117 (E1605053-04A)	05/12/16	4:17		X	DW	Y		X							
	502 Rm115 (E1605053-05A)	05/12/16	4:18	X		DW	Y		X							
	502 Rm115 (E1605053-06A)	05/12/16	4:21		X	DW	Y		X							
	502 Rm114A (E1605053-07A)	05/12/16	4:22	X		DW	Y		X							
	502 Rm114A (E1605053-08A)	05/12/16	4:25		X	DW	Y		X							
	502 Rm114 Kettle (E1605053-09A)	05/12/16	4:27	X		DW	Y		X							
	502 Rm114 Kettle (E1605053-10A)	05/12/16	4:30		X	DW	Y		X							
	502 Rm114 Steamer (E1605053-11A)	05/12/16	4:31	X		DW	Y		X							
	502 Rm114 Steamer (E1605053-12A)	05/12/16	4:34		X	DW	Y		X							
	502 Rm107 (E1605053-13A)	05/12/16	4:40	X		DW	Y		X							

Relinquished by:	Date	Time	Received by:	Date	Time

Received in Lab by:	Date	Time
[illegible]	5-17-16	0955

Rush Requested: _____ Day(s)
Must be approved by Lab Manager

Notes / Comments:

16051049
001-052

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
3310 Win Street
Cuyahoga Falls, Ohio 44223
800-278-0140

Analysis Request / Chain of Custody

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Client Name: Alamo Analytical Labs	Project Identification:
Client Address: 10526 Gulfdale, San Antonio, TX-78216	Project Address: Drinking Water
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Analytical Parameters and Methods

#	Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: S=Solid, L=Liquid, O=Oil SL=Sludge, A=Air	Preservative	Number of Containers	Copper and Lead (200.8)							
	502 Rm107 (E1605053-14A)	05/12/16	4:44		X	DW	no sample									
	502 Rm108 (E1605053-15A)	05/12/16	4:45	X		DW	Y		X							
	502 Rm108 (E1605053-16A)	05/12/16	4:50		X	DW	no sample									
	502 Rm120 (E1605053-17A)	05/12/16	4:52	X		DW	Y		X							
	502 Rm120 (E1605053-18A)	05/12/16	4:55		X	DW	Y		X							
	502 Rm116 (E1605053-19A)	05/12/16	4:57	X		DW	Y		X							
	502 Rm116 (E1605053-20A)	05/12/16	5:00		X	DW	Y		X							
	502 Rm110 (E1605053-21A)	05/12/16	5:05	X		DW	Y		X							
	502 Rm110 (E1605053-22A)	05/12/16	5:09		X	DW	Y		X							
	502 Rm127 (E1605053-23A)	05/12/16	5:10	X		DW	Y		X							
	502 Rm127 (E1605053-24A)	05/12/16	5:13		X	DW	Y		X							
	502 Rm123 Ice maker (E1605053-25A)	05/12/16	5:15	X		DW	Y		X							
	502 Rm123 Ice maker (E1605053-26A)	05/12/16	5:18		X	DW	Y		X							

Relinquished by:	Date	Time	Received by:	Date	Time

Received in Lab by:	Date	Time
SMCaplin		

Rush Requested: _____ Day(s)
Must be approved by Lab Manager

Notes / Comments:

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ENVIRONMENTAL TECHNOLOGIES, INC.
3310 Win Street
Cuyahoga Falls, Ohio 44223
800-278-0140

Analysis Request / Chain of Custody

For Summit Environmental Technologies, Inc. use only

 SET No.

Client Name: Alamo Analytical Labs	Project Identification:
Client Address: 10526 Gulfdale, San Antonio, TX-78216	Project Address: Drinking Water
Client Phone: (210) 340-8121	Report To: Dr. Reddy Gosala
Client Fax No.: (210) 340-8123 √ to Receive Results by Fax ☐	PO Number:
Contact Person: Dr. Reddy Gosala	Quote Number:
Sampled By:	☐ √ if Ohio VAP Samples

Analytical Parameters and Methods

#	Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: S=Solid, L=Liquid, O=Oil SL=Sludge, A=Air	Preservative	Number of Containers	Copper and Lead (200.8)							
	502 Rm119 Ice Maker (E1605053-27A)	05/12/16	5:25	X		DW	Y		X							
	502 Rm119 Ice Maker (E1605053-28A)	05/12/16	5:28		X	DW	Y		X							
	502 Rm142 (E1605053-29A)	05/12/16	5:35	X		DW	No sample									
	502 Rm142 (E1605053-30A)	05/12/16	5:46		X	DW	No sample									
	502 Rm124R (E1605053-31A)	05/12/16	5:50	X		DW	Y		X							
	502 Rm124R (E1605053-32A)	05/12/16	5:54		X	DW	Y		X							
	502 Rm109 (E1605053-33A)	05/12/16	6:00	X		DW	Y		X							
	502 Rm109 (E1605053-34A)	05/12/16	6:03		X	DW	Y		X							
	502 Rm108 (E1605053-35A)	05/12/16	6:05	X		DW	Y		X							
	502 Rm108 (E1605053-36A)	05/12/16	6:09		X	DW	Y		X							
	502 Rm121R (E1605053-37A)	05/12/16	6:15	X		DW	Y		X							
	502 Rm121R (E1605053-38A)	05/12/16	6:19		X	DW	Y		X							
	502 Rm102 Fountain (E1605053-39A)	05/12/16	6:25	X		DW	Y		X							

Relinquished by:	Date	Time	Received by:	Date	Time

Received in Lab by:	Date	Time
[signature]		

Rush Requested: _____ Day(s)
Must be approved by Lab Manager

Notes / Comments:

16051049
001-052

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ENVIRONMENTAL TECHNOLOGIES, INC.
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800-278-0140

Analysis Request / Chain of Custody

For Summit Environmental Technologies, Inc. use only

 SET No.

Client Name: Alamo Analytical Labs	Project Identification:
Client Address: 10526 Gulfdale, San Antonio, TX-78216	Project Address: Drinking Water
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Sampled By:	☐ √ if Ohio VAP Samples

Analytical Parameters and Methods

#	Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: S=Solid, L=Liquid, O=Oil SL=Sludge, A=Air	Preservative	Number of Containers	Copper and Lead (200.8)							
	501 Irrigation (E1605053-40A)	05/12/16	6:55	X		DW	Y		X							
	502 Irrigation (E1605053-41A)	05/12/16	7:03		X	DW	Y		X							
	503 Irrigation W (E1605053-42A)	05/12/16	7:08	X		DW	Y		X							
	503 Irrigation E (E1605053-43A)	05/12/16	7:15		X	DW	Y		X							
	505 Irrigation W (E1605053-44A)	05/12/16	7:25	X		DW	Y		X							
	506 Irrigation (E1605053-45A)	05/12/16	7:34		X	DW	Y		X							
	513 Irrigation (E1605053-46A)	05/12/16	7:40	X		DW	Y		X							
	507 Irrigation (E1605053-47A)	05/12/16	8;00		X	DW	Y		X							
	511 Irrigation (E1605053-48A)	05/12/16	8:06	X		DW	Y		X							
	510 Irrigation (E1605053-49A)	05/12/16	8:10		X	DW	Y		X							
	509 Irrigation (E1605053-50A)	05/12/16	8:14	X		DW	Y		X							
	508 Irrigation (E1605053-51A)	05/12/16	8:17		X	DW	Y		X							
	Hydrant S Center (E1605053-52A)	05/12/16	8:23	X		DW	Y		X							

Relinquished by:	Date	Time	Received by:	Date	Time

Received in Lab by:	Date	Time
SMCaplin		

Rush Requested: _____ Day(s)
Must be approved by Lab Manager

Notes / Comments:

16051049
001-052

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
3310 Win Street
Cuyahoga Falls, Ohio 44223
800-278-0140

Analysis Request / Chain of Custody

For Summit Environmental Technologies, Inc. use only

 SET No.

Client Name: Alamo Analytical Labs	Project Identification:
Client Address: 10526 Gulfdale, San Antonio, TX-78216	Project Address: Drinking Water
Client Phone: (210) 340-8121	Report To: Dr. Reddy Gosala
Client Fax No.: (210) 340-8123 √ to Receive Results by Fax ☐	PO Number:
Contact Person: Dr. Reddy Gosala	Quote Number:
Sampled By:	☐ √ if Ohio VAP Samples

Analytical Parameters and Methods

#	Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: S=Solid, L=Liquid, O=Oil SL=Sludge, A=Air	Preservative	Number of Containers	Copper and Lead (200.8)							
	Hydrant S East (E1605053-53A)	05/12/16	8:30		X	DW	Y		X							
	Hydrant N East (E1605053-54A)	05/12/16	8:40		X	DW	Y		X							
	Hydrant N Center (E1605053-55A)	05/12/16	8:50		X	DW	Y		X							
	Hydrant S West (E1605053-56A)	05/12/16	8:55		X	DW	Y		X							
	Hydrant N West (E1605053-57A)	05/12/16	9:05		X	DW	No sample									

Relinquished by:	Date	Time	Received by:	Date	Time

Received in Lab by:	Date	Time
SMCaplin		

Rush Requested: _____ Day(s)
Must be approved by Lab Manager

Notes / Comments:

16051049
001-052

ALAMO ANALYTICAL LABORATORIES LTD.

CHAIN OF CUSTODY RECORD

COC#: 11166

ACCREDITED IN ACCORDANCE WITH nelac
NELAC Certificate #. T104704367-10-3

Main Office: 10526 Gulfdale
San Antonio, Texas 78216
(210) 340-8121 • Fax (210) 340-8123

2500 Montana
El Paso, TX 79903
915-599-2182

MUST BE COMPLETED BY CLIENT

Alamo's Client: Texas Dept of Aging + Disability Services	Client's P.O. #: 53900-6-0000086044
Project Manager: James W. Lannon	Phone #: 915 782 6455
Address: 6700 Delta Drive El Paso Tx 79905	Fax #: 915 782 6375
Project Number: EPSSLC	Project Name: Lead / Copper Potable Water Testing
Project Location: 6700 Delta Drive El Paso Tx 79905	Sampler Signature: [signature] 5/12/16

Turnaround time: Standard(7)☐ (in working days)

RUSH: 1☐ 2☐ 3-5☒ Days (additional charges)

TRRP 13 Report: Yes☐ No☐ (additional charges)

Analysis for Permit Compliance: Yes☐ No☐

DMR Form Required: Yes☐ No☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	ANALYSIS Copper	ANALYSIS Lead						REMARKS (Preservation, Size/Amount, Etc.)
E1605033-01	5/12/16	4:10 Am		X	Water		SO2 Rm 119 Grab		X	X						
-02	5/12/16	4:13 Am	X		Water		SO2 Rm 119 Composite		X	X						
-03	5/12/16	4:14 Am		X	Water		SO2 Rm 117 Grab		X	X						
-04	5/12/16	4:17 Am	X		Water		SO2 Rm 117 Composite		X	X						
-05	5/12/16	4:18 Am		X	Water		SO2 Rm 115 Grab		X	X						
-06	5/12/16	4:21 Am	X		Water		SO2 Rm 115 Composite		X	X						
-07	5/12/16	4:22 Am		X	Water		SO2 Rm 114 A Grab		X	X						
-08	5/12/16	4:25 Am	X		Water		SO2 Rm 114 A Composite		X	X						
-09	5/12/16	4:27 Am		X	Water		SO2 Rm 114 Kettle Grab		X	X						
-10	5/12/16	4:30 Am	X		Water		SO2 Rm 114 Kettle Composite		X	X						

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
[signature]	5/12/16	4:06 Pm	
	5/12/16	406	[signature]

Headspace			If Yes, Amt.
Properly Sealed	–		If No, Explain
Chilled ≤4° C	–		If No, Temp. 3

Comments:

E1605033

Page 1 of 6

ALAMO ANALYTICAL LABORATORIES LTD.

CHAIN OF CUSTODY RECORD

COC#: 11148

ACCREDITED IN ACCORDANCE WITH nelac
NELAC Certificate #. T104704367-10-3

Main Office: 10526 Gulfdale
San Antonio, Texas 78216
(210) 340-8121 • Fax (210) 340-8123

2500 Montana
El Paso, TX 79903
915-599-2182

MUST BE COMPLETED BY CLIENT

Alamo's Client: Texas Dept of Aging + Disability Services	Client's P.O. #: 86044 53900-6-00000
Project Manager: James W. Lannon	Phone #: 915 782 6455
Address: 6700 Delta Drive El Paso, TX 79905	Fax #: 915 782 6375
Project Number: EPSSLC	Project Name: Lead/Copper Potable Water Testing
Project Location: 6700 Delta Drive El Paso TX 79905	Sampler Signature: W. R 5/12/16

Turnaround time: Standard(7)☐ (in working days)

RUSH: 1☐ 2☐ 3-5☒ Days (additional charges)

TRRP 13 Report: Yes☐ No☐ (additional charges)

Analysis for Permit Compliance: Yes☐ No☐

DMR Form Required: Yes☐ No☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	ANALYSIS Copper	ANALYSIS Lead						REMARKS (Preservation, Size/Amount, Etc.)
E1605053-11	5/12/16	4:31 Am		X	Water		502 Rm 114 Steamer Grab		X	X						
-12	5/12/16	4:34 Am	X		Water		502 Rm 114 Steamer Composite		X	X						
-13	5/12/16	4:40 Am		X	Water		502 Rm 107 Grab		X	X						
-14	5/12/16	4:44 Am	X		Water		502 Rm 107 Composite		X	X						
-15	5/12/16	4:45 Am		X	Water		502 Rm 108 Grab		X	X						
-16	5/12/16	4:50 Am	X		Water		502 Rm 108 Composite		X	X						
-17	5/12/16	4:52 Am		X	Water		502 Rm 120 Grab		X	X						
-18	5/12/16	4:55 Am	X		Water		502 Rm 120 Composite		X	X						
-19	5/12/16	4:57 Am		X	Water		502 Rm 116 Grab		X	X						
-20	5/12/16	5:00 Am	X		Water		502 Rm 116 Composite		X	X						

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
W. [signature]	5/12/16	4:06 Pm	
	5/12/16	406 pm	[signature]

Headspace			If Yes, Amt.
Properly Sealed	–		If No, Explain
Chilled ≤4° C	–		If No, Temp. 3

Comments:

E1605053

Page 2 of 6

ALAMO ANALYTICAL LABORATORIES LTD.

CHAIN OF CUSTODY RECORD

COC#: 11139

ACCREDITED IN ACCORDANCE WITH nelac
NELAC Certificate #. T104704367-10-3

Main Office: 10526 Gulfdale
San Antonio, Texas 78216
(210) 340-8121 • Fax (210) 340-8123

2500 Montana
El Paso, TX 79903
915-599-2182

MUST BE COMPLETED BY CLIENT

Alamo's Client: Texas Dept of Aging & Disability Services	Client's P.O. #: 539006-00000 86044
Project Manager: James W. Lannom	Phone #: 915 782 6455
Address: 6700 Delta Drive El Paso Tx 79905	Fax #: 915 782 6375
Project Number: EPSSLC Lead/Copper Potable Water Testing	Project Name:
Project Location: 6700 Delta Drive El Paso Tx 79905	Sampler Signature: 5/12/16

Turnaround time: Standard(7)☐ (in working days)

RUSH: 1☐ 2☐ 3-5☒ Days (additional charges)

TRRP 13 Report: Yes☐ No☐ (additional charges)

Analysis for Permit Compliance: Yes☐ No☐

DMR Form Required: Yes☐ No☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	ANALYSIS Copper	ANALYSIS Lead						REMARKS (Preservation, Size/Amount, Etc.)
E1605053-21	5/12/16	5:05 Am		X	Water		502 Rm 110 Grab		X	X						
-22	5/12/16	5:09 Am	X		Water		502 Rm 110 Composite		X	X						
-23	5/12/16	5:10 Am		X	Water		502 Rm 127 Grab		X	X						
-24	5/12/16	5:13 Am	X		Water		502 Rm 127 Composite		X	X						
-25	5/12/16	5:15 Am		X	Water		502 Rm 123 icemaker Grab		X	X						
-26	5/12/16	5:18 Am	X		Water		502 Rm 123 icemaker Composite		X	X						
-27	5/12/16	5:25 Am		X	Water		502 Rm 119 icemaker Grab		X	X						
-28	5/12/16	5:28 Am	X		Water		502 Rm 119 icemaker Composite		X	X						
-29	5/12/16	5:35		X	Water		502 Rm 142 Grab		X	X						
-30	5/12/16	5:40	X		Water		502 Rm 142 Composite		X	X						

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
James W. Lannom	5/12/16	4:07 Pm	
	5/12/16	4:07 pm	

Headspace			If Yes, Amt.
Properly Sealed	✓		If No, Explain
Chilled ≤4° C	✓		If No, Temp. 3

Comments:

E1605053

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ALAMO ANALYTICAL LABORATORIES LTD.

CHAIN OF CUSTODY RECORD

COC#: 11140

ACCREDITED IN ACCORDANCE WITH nelac
NELAC Certificate #. T104704367-10-3

Main Office: 10526 Gulfdale
San Antonio, Texas 78216
(210) 340-8121 • Fax (210) 340-8123

2500 Montana
El Paso, TX 79903
915-599-2182

MUST BE COMPLETED BY CLIENT

Alamo's Client: Texas Dept of Aging & Disability Services	Client's P.O. #: 53900-6-86044
Project Manager: James W. Lannon	Phone #: 915 782 6455
Address: 6700 Delta Drive El Paso TX 79905	Fax #: 915 782 6375
Project Number: EPSSLC Lead/Copper	Project Name: Potable Water Testing
Project Location: 6700 Delta Drive El Paso TX 79905	Sampler Signature: [signature] 5/12/16

Turnaround time: Standard(7)☐ (in working days)

RUSH: 1☐ 2☐ 3-5☒ Days (additional charges)

TRRP 13 Report: Yes☐ No☐ (additional charges)

Analysis for Permit Compliance: Yes☐ No☐

DMR Form Required: Yes☐ No☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	ANALYSIS Copper	ANALYSIS Lead						REMARKS (Preservation, Size/Amount, Etc.)
E1605053-31	5/12/16	5:50 Am		X	Water		S05 Rm 124R Grab		X	X						
-32	5/12/16	5:54 Am	X		Water		S05 Rm 124R Composite		X	X						
-33	5/12/16	6:00 Am		X	Water		S05 Rm 109 Grab		X	X						
-34	5/12/16	6:03 Am	X		Water		S05 Rm 109 Composite		X	X						
-35	5/12/16	6:05 Am		X	Water		S05 Rm 108 Grab		X	X						
-36	5/12/16	6:09 Am	X		Water		S05 Rm 108 Composite		X	X						
-37	5/12/16	6:15 Am		X	Water		S01 Rm 121R Grab		X	X						
-38	5/12/16	6:19 Am	X		Water		S01 Rm 121R Composite		X	X						
-39	5/12/16	6:25 Am		X	Water		S01 Rm 102 fountain Grab		X	X						
-40	5/12/16	6:55 Am	X		Water		S01 Irrigation Composite		X	X						

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
[signature]	5/12/16	4:08 P.M.	
	5/12/16	408 pm	[signature]

Headspace			If Yes, Amt.
Properly Sealed	–		If No, Explain
Chilled ≤4° C	–		If No, Temp. 3

Comments:

E1605053

Pag 4 of 6

ALAMO ANALYTICAL LABORATORIES LTD.

CHAIN OF CUSTODY RECORD

COC#: 11141

ACCREDITED IN ACCORDANCE WITH nelac
NELAC Certificate #. T104704367-10-3

Main Office: 10526 Gulfdale
San Antonio, Texas 78216
(210) 340-8121 • Fax (210) 340-8123

2500 Montana
El Paso, TX 79903
915-599-2182

MUST BE COMPLETED BY CLIENT

Alamo's Client: Texas Dept of Aging & Disability Service	Client's P.O. #: 86044 53900-6-00000
Project Manager: James W. Lannon	Phone #: 915 782 6455
Address: 6700 Delta Drive El Paso Tx 79905	Fax #: 915 782 6375
Project Number: EPSSLC Lead/Copper Potable Water Testing	Project Name:
Project Location: 6700 Delta Drive El Paso Tx 79904	Sampler Signature: W. L. 5/12/16

Turnaround time: Standard(7)☐ (in working days)

RUSH: 1☐ 2☐ 3-5☒ Days (additional charges)

TRRP 13 Report: Yes☐ No☐ (additional charges)

Analysis for Permit Compliance: Yes☐ No☐

DMR Form Required: Yes☐ No☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	ANALYSIS: Copper	ANALYSIS: Lead						REMARKS (Preservation, Size/Amount, Etc.)
E605053-41	5/12/16	7:03 Am	X		Water		S02 Irrigation Composite		X	X						
-42	5/12/16	7:08 Am	X		Water		S03 Irrigation W Composite		X	X						
-43	5/12/16	7:15 Am	X		Water		S03 Irrigation E Composite		X	X						
-44	5/12/16	7:25 Am	X		Water		S05 Irrigation W Composite		X	X						
-45	5/12/16	7:34 Am	X		Water		S06 Irrigation Composite		X	X						
-46	5/12/16	7:40 Am	X		Water		S13 Irrigation Composite		X	X						
-47	5/12/16	8:00 Am	X		Water		S07 Irrigation Composite		X	X						
-48	5/12/16	8:06 Am	X		Water		S11 Irrigation Composite		X	X						
-49	5/12/16	8:10 Am	X		Water		S10 Irrigation Composite		X	X						
-50	5/12/16	8:14 Am	X		Water		S09 Irrigation Composite		X	X						

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
W. L.	5/12/16	4:09 Pm	
	5/12/16	409	

Headspace			If Yes, Amt.
Properly Sealed	–		If No, Explain
Chilled ≤4° C	–		If No, Temp. 3

Comments:

E1605053

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ALAMO ANALYTICAL LABORATORIES LTD.

CHAIN OF CUSTODY RECORD

COC#: 11142

ACCREDITED IN ACCORDANCE WITH nelac
NELAC Certificate #. T104704367-10-3

Main Office: 10526 Gulfdale
San Antonio, Texas 78216
(210) 340-8121 • Fax (210) 340-8123

2500 Montana
El Paso, TX 79903
915-599-2182

MUST BE COMPLETED BY CLIENT

Alamo's Client: Texas Dept of Aging & Disability Service	Client's P.O. #: 86044 53900-6-00000
Project Manager: James W. Lannon	Phone #: 915 782 6455
Address: 6700 Delta Drive El Paso, TX 79905	Fax #: 915 782 6375
Project Number: EPSSLC	Project Name: Lead / Copper Potable Water Testing
Project Location: 6700 Delta Drive El Paso, TX 79905	Sampler Signature: J. W. L 5/12/16

Turnaround time: Standard(7)☐ (in working days)

RUSH: 1☐ 2☐ 3-5☒ Days (additional charges)

TRRP 13 Report: Yes☐ No☐ (additional charges)

Analysis for Permit Compliance: Yes☐ No☐

DMR Form Required: Yes☐ No☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	ANALYSIS Copper	ANALYSIS Lead						REMARKS (Preservation, Size/Amount, Etc.)
E1605053-51	5/12/16	8:17 am	X		Water		508 Irrigation Composite		X	X						
-52	5/12/16	8:23 am	X		Water		Hydrant S Center Composite		X	X						
-53	5/12/16	8:30 am	X		Water		Hydrant S East Composite		X	X						
-54	5/12/16	8:40 am	X		Water		Hydrant N East Composite		X	X						
-55	5/12/16	8:50 am	X		Water		Hydrant N Center Composite		X	X						
-56	5/12/16	8:55 am	X		Water		Hydrant S West Composite		X	X						
-57	5/12/16	9:05 am	X		Water		Hydrant N West Composite		X	X						

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
J. W. L	5/12/16	4:10 p.m.	
	5/12/16	4:10	

Headspace			If Yes, Amt.
Properly Sealed	—		If No, Explain
Chilled ≤4° C	—		If No, Temp. 3

Comments:

E1605053

Page 6 of 6

ALAMO ANALYTICAL LABORATORIES, LTD.

526 Gulfdale
San Antonio, TX – 78216;
(210) 340-8121; Fax: (210) 340-8123

2500 Montana Ave.
El Paso, TX – 79903
Ph. (915) 599-2182

www.alamoanalytical.com; (800) 572-6955

Sample Log-In Checklist

DATE: 05 / 12 / 2016 TIME: 0945 INITIALS: EG

CLIENT: Texas Dept of Aging & Disability PROJECT: W.O# E1605053

Is a Chain of Custody present?	Yes	No
Is a Chain of Custody properly completed?	Yes	No
Are custody seals present?	Yes	No
If yes, are they intact?	Yes	No
Are they on: Sample _____ or on	Shipping Container _____	
Are all samples tagged or labeled?	Yes	No
If yes, do the labels match the Chain of Custody?	Yes	No
Do all shipping documents agree (i.e., number of coolers arrived vs. on tickets) *If not,* describe below.	Yes	No N/A
Are samples preserved properly? *If not*, describe below.	Yes	No
Are all samples within holding times on arrival? *If not*, describe below.	Yes	No

Other

Condition of shipping container: Intact ✓ or _____

Condition of samples: Intact _____ or _____

Temperature of samples: 3

Delivery agent: Client ✓ UPS ___ Fed-Ex ___ Lone Star ___ Alamo P/U ___ Other _____

Sample disposal: Return to client _____ Alamo Analytical Disposal ✓

Comments: (Reference checklist item number from above, or for comments on resolution below):

3-5 day Rush
w
Sub - COPPER LEAD

Record of contacting client for resolution of sample discrepancies (first and retry contact)
Contacted How?

Name: _____ Phone ___ Fax ___ Date: ___/___/___ Time: _____
Name: _____ Phone ___ Fax ___ Date: ___/___/___ Time: _____

ALAMO ANALYTICAL LABORATORIES, LTD.
Main: 10526 Gulfdale • San Antonio, Texas 78216-3601 • (210) 340-8121 . Fax. (210) 340-8123
Branch: 2500 Montana Avenue, El Paso, TX - 79903; (915) 599-2182

REPORT NARRATIVE 5/20/2016

James Lannon
Dept of Aging & Disability Service
6700 Delta Drive
El Paso , Texas - 79905
TEL: (915) 782-6455 Email: james.lannon@dads.state.tx.us
FAX: (915) 782-6375

RE: EPSSLC Lead/Copper Potable Water Testing

Dear James Lannon: Order No. E1605056

Enclosed please find the analytical report for the sample/s received on 5/13/2016.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the Sample Acceptance Policy unless otherwise noted in the report.
DATA: Sample were prepared, analyzed and reported using the methods outlined in the following references: Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition
QA/QC: All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives, except as noted in the report with data qualifiers.

SUBCONTRACTED: Analyses were subcontracted.

COMMENTS: No significant observations were made.

Sincerely,

Niveditha Nanda
Technical Manager
Alamo Analytical Laboratories, LTD

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client.
Reproduction of this report wholly or in part requires written permission of the client.

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

Summit Environmental Technologies, In
3310 Win S
Cuyahoga Falls, Ohio 442
TEL: (330) 253-8211 FAX: (330) 253-448
Website: http://www.settek.co

Qualifiers and Acronyms

WO#: **16051049**
Date: **5/20/2016**

These commonly used Qualifiers and Acronyms may or may not be present in this report.

Qualifiers

U	The compound was analyzed for but was not detected.
J	The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
H	The hold time for sample preparation and/or analysis was exceeded.
D	The result is reported from a dilution.
E	The result exceeded the linear range of the calibration or is estimated due to interference.
MC	The result is below the Minimum Compound Limit.
*	The result exceeds the Regulatory Limit or Maximum Contamination Limit.
m	Manual integration was used to determine the area response.
N	The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
P	The second column confirmation exceeded 25% difference.
C	The result has been confirmed by GC/MS.
X	The result was not confirmed when GC/MS Analysis was performed.
B/MB+	The analyte was detected in the associated blank.
G	The ICB or CCB contained reportable amounts of analyte.
QC-/+	The CCV recovery failed low (-) or high (+).
R/QDR	The RPD was outside of accepted recovery limits.
QL-/+	The LCS or LCSD recovery failed low (-) or high (+).
QLR	The LCS/LCSD RPD was outside of accepted recovery limits.
QM-/–	The MS or MSD recovery failed low (-) or high (+).
QMR	The MS/MSD RPD was outside of accepted recovery limits.
QV-/+	The ICV recovery failed low (-) or high (+).
S	The spike result was outside of accepted recovery limits.
Z	Deviation; A deviation from the method was performed; Please refer to the Case Narrative for additional information

Acronyms

ND	Not Detected	**RL**	Reporting Limit
QC	Quality Control	**MDL**	Method Detection Limit
MB	Method Blank	**LOD**	Level of Detection
LCS	Laboratory Control Sample	**LOQ**	Level of Quantitation
LCSD	Laboratory Control Sample Duplicate	**PQL**	Practical Quantitation Limit
QCS	Quality Control Sample	**CRQL**	Contract Required Quantitation Limit
DUP	Duplicate	**PL**	Permit Limit
MS	Matrix Spike	**RegLvl**	Regulatory Limit
MSD	Matrix Spike Duplicate	**MCL**	Maximum Contamination Limit
RPD	Relative Percent Different	**MinCL**	Minimum Compound Limit
ICV	Initial Calibration Verification	**RA**	Reanalysis
ICB	Initial Calibration Blank	**RE**	Reextraction
CCV	Continuing Calibration Verification	**TIC**	Tentatively Identified Compound
CCB	Continuing Calibration Blank	**RT**	Retention Time
RLC	Reporting Limit Check	**CF**	Calibration Factor
DF	Dilution Factor	**RF**	Response Factor

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories
Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

WO#: **16051047**
Date Reported: **5/20/2016**
Company: Alamo Analytical Laboratories, Ltd
Address: 10526 Gulfdale
San Antonio TX 78216
Received: 5/17/2016

Client ID#	Lab#	Collected	Analyte	Result Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Ana
E165056-01	001	5/13/2016	Copper	1.12 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	Cl
E165056-01	001	5/13/2016	Lead	0.344 mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E165056-02	002	5/13/2016	Copper	0.281 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	Cl
E165056-02	002	5/13/2016	Lead	0.00192 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E165056-03	003	5/13/2016	Copper	9.27 mg/L	*	Drinking Water	EPA 200.8	100	0.0511	0.100	5/19/2016	Cl
E165056-03	003	5/13/2016	Lead	0.740 mg/L	*	Drinking Water	EPA 200.8	100	0.00434	0.100	5/20/2016	MF
E165056-04	004	5/13/2016	Copper	1.28 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	Cl
E165056-04	004	5/13/2016	Lead	0.0614 mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E165056-05	005	5/13/2016	Copper	0.715 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	Cl
E165056-05	005	5/13/2016	Lead	0.00803 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E165056-06	006	5/13/2016	Copper	0.679 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	Cl
E165056-06	006	5/13/2016	Lead	0.00105 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E165056-07	007	5/13/2016	Copper	1.45 mg/L	*	Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	Cl
E165056-07	007	5/13/2016	Lead	0.278 mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E165056-08	008	5/13/2016	Copper	0.662 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	Cl
E165056-08	008	5/13/2016	Lead	0.00621 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E165056-09	009	5/13/2016	Copper	0.124 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	Cl
E165056-09	009	5/13/2016	Lead	6.26 mg/L	*	Drinking Water	EPA 200.8	100	0.00434	0.100	5/20/2016	MF
E165056-010	010	5/13/2016	Copper	0.176 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	Cl
E165056-010	010	5/13/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E165056-011	011	5/13/2016	Copper	2.07 mg/L	*	Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	Cl
E165056-011	011	5/13/2016	Lead	0.143 mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E165056-012	012	5/13/2016	Copper	0.301 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	Cl
E165056-012	012	5/13/2016	Lead	0.00117 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl

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WO#: **16051047**
Date Reported: **5/20/2016**
Company: Alamo Analytical Laboratories, Ltd
Address: 10526 Gulfdale
San Antonio TX 78216
Received: 5/17/2016

Client ID#	Lab#	Collected	Analyte	Result Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Ana
E165056-013	013	5/13/2016	Copper	3.97 mg/L	*	Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	Cl
E165056-013	013	5/13/2016	Lead	0.377 mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/20/2016	MF
E165056-014	014	5/13/2016	Copper	0.207 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	Cl
E165056-014	014	5/13/2016	Lead	0.00763 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E165056-015	015	5/13/2016	Copper	3.34 mg/L	*	Drinking Water	EPA 200.8	100	0.0511	0.100	5/19/2016	Cl
E165056-015	015	5/13/2016	Lead	1.62 mg/L	*	Drinking Water	EPA 200.8	100	0.00434	0.100	5/20/2016	MF
E165056-016	016	5/13/2016	Copper	0.380 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	Cl
E165056-016	016	5/13/2016	Lead	0.00159 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E165056-017	017	5/13/2016	Copper	3.46 mg/L	*	Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	Cl
E165056-017	017	5/13/2016	Lead	0.767 mg/L	*	Drinking Water	EPA 200.8	100	0.00434	0.100	5/20/2016	MF
E165056-018	018	5/13/2016	Copper	0.437 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	Cl
E165056-018	018	5/13/2016	Lead	0.0266 mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E165056-019	019	5/13/2016	Copper	1.43 mg/L	*	Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	Cl
E165056-019	019	5/13/2016	Lead	0.00317 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E165056-020	020	5/13/2016	Copper	0.463 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	Cl
E165056-020	020	5/13/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E165056-021	021	5/13/2016	Copper	0.902 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	Cl
E165056-021	021	5/13/2016	Lead	0.334 mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E165056-022	022	5/13/2016	Copper	0.241 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	Cl
E165056-022	022	5/13/2016	Lead	0.00946 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E165056-023	023	5/13/2016	Copper	1.40 mg/L	*	Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	Cl
E165056-023	023	5/13/2016	Lead	0.00248 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl
E165056-024	024	5/13/2016	Copper	0.791 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	Cl
E165056-024	024	5/13/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl

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WO#: **16051047**
Date Reported: **5/20/2016**
Company: Alamo Analytical Laboratories, Ltd
Address: 10526 Gulfdale
San Antonio TX 78216
Received: 5/17/2016

Client ID#	Lab#	Collected	Analyte	Result Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Ana
E165056-025	025	5/13/2016	Copper	0.991 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	CI
E165056-025	025	5/13/2016	Lead	0.00713 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E165056-026	026	5/13/2016	Copper	0.337 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	CI
E165056-026	026	5/13/2016	Lead	0.00180 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E165056-027	027	5/13/2016	Copper	1.26 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	CI
E165056-027	027	5/13/2016	Lead	0.0984 mg/L	*	Drinking Water	EPA 200.8	10	0.000434	0.0100	5/20/2016	MF
E165056-028	028	5/13/2016	Copper	0.383 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	CI
E165056-028	028	5/13/2016	Lead	0.00362 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E165056-029	029	5/13/2016	Copper	0.848 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	CI
E165056-029	029	5/13/2016	Lead	0.133 mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E165056-030	030	5/13/2016	Copper	0.180 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	CI
E165056-030	030	5/13/2016	Lead	0.00148 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E165056-031	031	5/13/2016	Copper	0.763 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	CI
E165056-031	031	5/13/2016	Lead	0.0149 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E165056-032	032	5/13/2016	Copper	0.315 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	CI
E165056-032	032	5/13/2016	Lead	0.00133 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E165056-033	033	5/13/2016	Copper	2.00 mg/L	*QL-	Drinking Water	EPA 200.8	10	0.00511	0.0100	5/20/2016	MF
E165056-033	033	5/13/2016	Lead	0.185 mg/L	*	Drinking Water	EPA 200.8	10	0.000434	0.0100	5/20/2016	MF
E165056-034	034	5/13/2016	Copper	0.448 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	CI
E165056-034	034	5/13/2016	Lead	0.0106 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E165056-035	035	5/13/2016	Copper	1.99 mg/L	*	Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	CI
E165056-035	035	5/13/2016	Lead	0.0839 mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E165056-036	036	5/13/2016	Copper	0.443 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	CI
E165056-036	036	5/13/2016	Lead	0.00112 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI

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WO#: **16051047**
Date Reported: **5/20/2016**
Company: Alamo Analytical Laboratories, Ltd
Address: 10526 Gulfdale
San Antonio TX 78216
Received: 5/17/2016

Client ID#	Lab#	Collected	Analyte	Result Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Ana
E165056-037	037	5/13/2016	Copper	0.126 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	CI
E165056-037	037	5/13/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E165056-038	038	5/13/2016	Copper	0.616 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	CI
E165056-038	038	5/13/2016	Lead	0.0706 mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/20/2016	MF
E165056-039	039	5/13/2016	Copper	0.292 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	CI
E165056-039	039	5/13/2016	Lead	0.00308 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E165056-040	040	5/13/2016	Copper	0.140 mg/L	QL-	Drinking Water	EPA 200.8	1	0.000511	0.00100	5/20/2016	MF
E165056-040	040	5/13/2016	Lead	0.00943 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/20/2016	MF
E165056-041	041	5/13/2016	Copper	2.20 mg/L	*	Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	CI
E165056-041	041	5/13/2016	Lead	0.00310 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E165056-042	042	5/13/2016	Copper	0.458 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	CI
E165056-042	042	5/13/2016	Lead	0.00142 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E165056-043	043	5/13/2016	Copper	0.279 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	CI
E165056-043	043	5/13/2016	Lead	0.00454 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E165056-044	044	5/13/2016	Copper	1.04 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	CI
E165056-044	044	5/13/2016	Lead	0.0150 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/20/2016	MF
E165056-045	045	5/13/2016	Copper	0.375 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	CI
E165056-045	045	5/13/2016	Lead	0.00169 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E165056-046	046	5/13/2016	Copper	1.04 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/19/2016	CI
E165056-046	046	5/13/2016	Lead	0.0661 mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E165056-047	047	5/13/2016	Copper	0.390 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	CI
E165056-047	047	5/13/2016	Lead	0.00218 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI
E165056-048	048	5/13/2016	Copper	0.0120 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	CI
E165056-048	048	5/13/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	CI

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WO#: **16051047**
Date Reported: **5/20/2016**
Company: Alamo Analytical Laboratories, Ltd
Address: 10526 Gulfdale
San Antonio TX 78216
Received: 5/17/2016

Client ID#	Lab#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Ana
E165056-049	049	5/13/2016	Copper	0.0782	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/18/2016	Cl
E165056-049	049	5/13/2016	Lead	0.00430	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/18/2016	Cl

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QC SUMMARY REPORT

WO#: **16051047**
20-May-16

Client: Alamo Analytical Laboratories, Ltd

BatchID: **20583**

Sample ID **MB-20583** SampType: **MBLK** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo **53893**
Client ID: **PBW** Batch ID: **20583** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **857616**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.00100									
Lead	ND	0.00100									

Sample ID **LCS-20583** SampType: **LCS** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo **53893**
Client ID: **LCSW** Batch ID: **20583** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **857617**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0491	0.00100	0.0500	0	98.1	85	115				
Lead	0.0491	0.00100	0.0500	0	98.2	85	115				

Sample ID **16051047-001ADUP** SampType: **DUP** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo **53893**
Batch ID: **20583** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **857619**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	1.12	0.00100						0	200	20	R
Lead	0.349	0.00100						0.344	1.32	20	*

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **16051047**
20-May-16

Client: Alamo Analytical Laboratories, Ltd

BatchID: **20583**

Sample ID **16051047-001AMS** SampType: **MS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20583** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **857620**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	1.18	0.00100	0.0500	0	2360	70	130				S
Lead	0.405	0.00100	0.0500	0.344	121	70	130				

Sample ID **16051047-001AMSD** SampType: **MSD** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20583** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **857621**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	1.18	0.00100	0.0500	0	2360	70	130	1.18	0.228	20	S
Lead	0.399	0.00100	0.0500	0.344	109	70	130	0.405	1.44	20	

Sample ID **16051047-019ADUP** SampType: **DUP** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20583** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **857633**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	1.46	0.00100						0	200	20	R*
Lead	0.00315	0.00100						0.00317	0.633	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **16051047**
20-May-16

Client: Alamo Analytical Laboratories, Ltd

BatchID: **20583**

Sample ID **16051047-019AMS** SampType: **MS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20583** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **857634**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	1.52	0.00100	0.0500	0	3040	70	130				S
Lead	0.0562	0.00100	0.0500	0.00317	103	70	130				

Sample ID **16051047-019AMSD** SampType: **MSD** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20583** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **857635**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	1.56	0.00100	0.0500	0	3110	70	130	1.52	2.55	20	S
Lead	0.0568	0.00100	0.0500	0.00317	107	70	130	0.0562	1.22	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **16051047**
20-May-16

Client: Alamo Analytical Laboratories, Ltd

BatchID: **20584**

Sample ID **MB-20584** SampType: **MBLK** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Client ID: **PBW** Batch ID: **20584** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **857894**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.00200									
Lead	ND	0.00100									

Sample ID **LCS-20584** SampType: **LCS** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Client ID: **LCSW** Batch ID: **20584** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **857895**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0492	0.00100	0.0500	0	98.5	85	115				
Lead	0.0490	0.00100	0.0500	0	97.9	85	115				

Sample ID **16051047-028ADUP** SampType: **DUP** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20584** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **857902**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.381	0.00100						0.383	0.615	20	
Lead	0.00362	0.00100						0.00362	0	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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Analytical Laboratories

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **16051047**
20-May-16

Client: Alamo Analytical Laboratories, Ltd

BatchID: **20584**

Sample ID **16051047-028AMS** SampType: **MS** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20584** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **857903**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.429	0.00100	0.0500	0.383	91.8	70	130				
Lead	0.0550	0.00100	0.0500	0.00362	103	70	130				

Sample ID **16051047-028AMSD** SampType: **MSD** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20584** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **857904**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.425	0.00100	0.0500	0.383	83.9	70	130	0.429	0.923	20	
Lead	0.0558	0.00100	0.0500	0.00362	104	70	130	0.0550	1.32	20	

Sample ID **16051047-037ADUP** SampType: **DUP** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20584** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **857912**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.127	0.00100						0.126	0.744	20	
Lead	ND	0.00100						0	0	20	

Qualifiers:

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H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **16051047**
20-May-16

Client: Alamo Analytical Laboratories, Ltd

BatchID: **20584**

Sample ID **16051047-037AMS** SampType: **MS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20584** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **857913**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.176	0.00100	0.0500	0.126	101	70	130				
Lead	0.0532	0.00100	0.0500	0.000540	105	70	130				

Sample ID **16051047-037AMSD** SampType: **MSD** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20584** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **857914**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.179	0.00100	0.0500	0.126	106	70	130	0.176	1.38	20	
Lead	0.0540	0.00100	0.0500	0.000540	107	70	130	0.0532	1.45	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
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QC SUMMARY REPORT

WO#: **16051047**
20-May-16

Client: Alamo Analytical Laboratories, Ltd

BatchID: **20585**

Sample ID **MB-20585** SampType: **MBLK** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Client ID: **PBW** Batch ID: **20585** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **857934**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.00100									
Lead	ND	0.00100									

Sample ID **LCS-20585** SampType: **LCS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Client ID: **LCSW** Batch ID: **20585** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **857935**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0483	0.00100	0.0500	0	96.6	85	115				
Lead	0.0490	0.00100	0.0500	0	98.1	85	115				

Sample ID **16051047-042ADUP** SampType: **DUP** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20585** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **857938**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.449	0.00100						0.458	1.87	20	
Lead	0.00141	0.00100						0.00142	0.707	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
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QC SUMMARY REPORT

WO#: **16051047**
20-May-16

Client: Alamo Analytical Laboratories, Ltd

BatchID: **20585**

Sample ID **16051047-042AMS** SampType: **MS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20585** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **857939**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.497	0.00100	0.0500	0.458	78.8	70	130				
Lead	0.0540	0.00100	0.0500	0.00142	105	70	130				

Sample ID **16051047-042AMSD** SampType: **MSD** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Batch ID: **20585** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **857940**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.496	0.00100	0.0500	0.458	77.0	70	130	0.497	0.183	20	
Lead	0.0499	0.00100	0.0500	0.00142	96.9	70	130	0.0540	7.92	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
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QC SUMMARY REPORT

WO#: **16051047**
20-May-16

Client: Alamo Analytical Laboratories, Ltd

BatchID: **20593**

Sample ID **MB-20593** SampType: **MBLK** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **54005**
Client ID: **PBW** Batch ID: **20593** TestNo: **E200.8** **E200.2** Analysis Date: **5/20/2016** SeqNo: **859317**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.00100									

Sample ID **LCS-20593** SampType: **LCS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **54005**
Client ID: **LCSW** Batch ID: **20593** TestNo: **E200.8** **E200.2** Analysis Date: **5/20/2016** SeqNo: **859318**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0536	0.00100	0.0500	0	107	85	115				

Sample ID **16051049-006ADUP** SampType: **DUP** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **54005**
Client ID: **BatchQC** Batch ID: **20593** TestNo: **E200.8** **E200.2** Analysis Date: **5/20/2016** SeqNo: **859360**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00211	0.00100						0.00219	3.72	20	

Sample ID **16051049-006AMS** SampType: **MS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **54005**
Client ID: **BatchQC** Batch ID: **20593** TestNo: **E200.8** **E200.2** Analysis Date: **5/20/2016** SeqNo: **859361**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0637	0.00100	0.0500	0.00219	123	70	130				

Qualifiers:

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H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
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QC SUMMARY REPORT

WO#: **16051047**
20-May-16

Client: Alamo Analytical Laboratories, Ltd

BatchID: **20593**

Sample ID **16051049-006AMS** SampType: **MS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **54005**
Client ID: **BatchQC** Batch ID: **20593** TestNo: **E200.8** **E200.2** Analysis Date: **5/20/2016** SeqNo: **859361**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID **16051049-006AMSD** SampType: **MSD** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **54005**
Client ID: **BatchQC** Batch ID: **20593** TestNo: **E200.8** **E200.2** Analysis Date: **5/20/2016** SeqNo: **859362**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0628	0.00100	0.0500	0.00219	121	70	130	0.0637	1.39	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
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QC SUMMARY REPORT

WO#: **16051047**
20-May-16

Client: Alamo Analytical Laboratories, Ltd

BatchID: **20593**

Sample ID **16051049-006ADUP** SampType: **DUP** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53971**
Client ID: **BatchQC** Batch ID: **20593** TestNo: **E200.8 E200.2** Analysis Date: **5/19/2016** SeqNo: **858425**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.117	0.00100						0.120	2.38	20	

Sample ID **16051049-006AMS** SampType: **MS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53971**
Client ID: **BatchQC** Batch ID: **20593** TestNo: **E200.8 E200.2** Analysis Date: **5/19/2016** SeqNo: **858427**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.167	0.00100	0.0500	0.120	94.2	70	130				

Sample ID **16051049-006AMSD** SampType: **MSD** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53971**
Client ID: **BatchQC** Batch ID: **20593** TestNo: **E200.8 E200.2** Analysis Date: **5/19/2016** SeqNo: **858428**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.162	0.00100	0.0500	0.120	84.3	70	130	0.167	2.93	20	

Sample ID **MB-20593** SampType: **MBLK** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53971**
Client ID: **PBW** Batch ID: **20593** TestNo: **E200.8 E200.2** Analysis Date: **5/19/2016** SeqNo: **858639**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.00100									

Qualifiers:

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QC SUMMARY REPORT

WO#: **16051047**

20-May-16

Client: Alamo Analytical Laboratories, Ltd

BatchID: **20593**

Sample ID **MB-20593**	SampType: **MBLK**	TestCode: **Mtl-ICPMS_D**	Units: **mg/L**		Prep Date: **5/18/2016**			RunNo: **53971**				
Client ID: **PBW**	Batch ID: **20593**	TestNo: **E200.8**	**E200.2**		Analysis Date: **5/19/2016**			SeqNo: **858639**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Sample ID **LCS-20593**	SampType: **LCS**	TestCode: **Mtl-ICPMS_D**	Units: **mg/L**		Prep Date: **5/18/2016**			RunNo: **53971**				
Client ID: **LCSW**	Batch ID: **20593**	TestNo: **E200.8**	**E200.2**		Analysis Date: **5/19/2016**			SeqNo: **858640**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Copper	0.0521	0.00100	0.0500	0	104	85	115					

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
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QC SUMMARY REPORT

WO#: **16051047**
20-May-16

Client: Alamo Analytical Laboratories, Ltd

BatchID: **20593**

Sample ID **MB-20593** SampType: **MBLK** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Client ID: **PBW** Batch ID: **20593** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858147**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.00100									

Sample ID **LCS-20593** SampType: **LCS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/18/2016** RunNo: **53893**
Client ID: **LCSW** Batch ID: **20593** TestNo: **E200.8** **E200.2** Analysis Date: **5/18/2016** SeqNo: **858148**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0463	0.00100	0.0500	0	92.5	85	115				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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Cuyahoga Falls, Ohio 44223
800-278-0140

Analysis Request / Chain of Custody

For Summit Environmental Technologies, Inc. use only

Page of SET No.

Client Name: Alamo Analytical Labs	Project Identification:
Client Address: 10526 Gulfdale, San Antonio, TX-78216	Project Address: Drinking Water
Client Phone: (210) 340-8121	Report To: Dr. Reddy Gosala
Client Fax No.: (210) 340-8123 √ to Receive Results by Fax ☐	PO Number:
Contact Person: Dr. Reddy Gosala	Quote Number:
Sampled By:	☐ √ if Ohio VAP Samples

Analytical Parameters and Methods

#	Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: S=Solid, L=Liquid, O=Oil SL=Sludge, A=Air	Preservative	Number of Containers	Copper and Lead (200.8)							
	E1605056-01	05/13/2016				DW	Y		X							
	E1605056-02	05/13/2016				DW	Y		X							
	E1605056-03	05/13/2016				DW	Y		X							
	E1605056-04	05/13/2016				DW	Y		X							
	E1605056-05	05/13/2016				DW	Y		X							
	E1605056-06	05/13/2016				DW	Y		X							
	E1605056-07	05/13/2016				DW	Y		X							
	E1605056-08	05/13/2016				DW	Y		X							
	E1605056-09	05/13/2016				DW	Y		X							
	E1605056-10	05/13/2016				DW	Y		X							
	E1605056-11	05/13/2016				DW	Y		X							
	E1605056-12	05/13/2016				DW	Y		X							
	E1605056-13	05/13/2016				DW	Y		X							

1605056 - 001-049sc

Relinquished by:	Date	Time	Received by:	Date	Time

Received in Lab by:	Date	Time
SM Campbell	5-17-16	0955

Rush Requested: _____ Day(s)
Must be approved by Lab Manager

Notes / Comments:
parameters Attached.

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
3310 Win Street
Cuyahoga Falls, Ohio 44223
800-278-0140

Analysis Request / Chain of Custody

For Summit Environmental Technologies, Inc. use only

Page of SET No.

Client Name: Alamo Analytical Labs	Project Identification:
Client Address: 10526 Gulfdale, San Antonio, TX-78216	Project Address: Drinking Water
Client Phone: (210) 340-8121	Report To: Dr. Reddy Gosala
Client Fax No.: (210) 340-8123 √ to Receive Results by Fax ☐	PO Number:
Contact Person: Dr. Reddy Gosala	Quote Number:
Sampled By:	☐ √ if Ohio VAP Samples

Analytical Parameters and Methods

#	Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: S=Solid, L=Liquid, O=Oil SL=Sludge, A=Air	Preservative	Number of Containers	Copper and Lead (200.8)
✓	E1605056-14	05/13/2016				DW	Y		X
✓	E1605056-15	05/13/2016				DW	Y		X
✓	E1605056-16	05/13/2016				DW	Y		X
✓	E1605056-17	05/13/2016				DW	Y		X
✓	E1605056-18	05/13/2016				DW	Y		X
✓	E1605056-19	05/13/2016				DW	Y		X
	E1605056-20	05/13/2016				DW	Y		X
	E1605056-21	05/13/2016				DW	Y		X
	E1605056-22	05/13/2016				DW	Y		X
	E1605056-23	05/13/2016				DW	Y		X
	E1605056-24	05/13/2016				DW	Y		X
	E1605056-25	05/13/2016				DW	Y		X
	E1605056-26	05/13/2016				DW	Y		X

16051047-001-049 se

Relinquished by:	Date	Time	Received by:	Date	Time

Received in Lab by:	Date	Time
SMCoplin		

Rush Requested: _____ Day(s)
Must be approved by Lab Manager

Notes / Comments:
parameters Attached.

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
3310 Win Street
Cuyahoga Falls, Ohio 44223
800-278-0140

Analysis Request / Chain of Custody

For Summit Environmental Technologies, Inc. use only

Page of SET No.

Client Name: Alamo Analytical Labs	Project Identification:
Client Address: 10526 Gulfdale, San Antonio, TX-78216	Project Address: Drinking Water
Client Phone: (210) 340-8121	Report To: Dr. Reddy Gosala
Client Fax No.: (210) 340-8123 — √ to Receive Results by Fax ☐	PO Number:
Contact Person: Dr. Reddy Gosala	Quote Number:
Sampled By:	☐ √ if Ohio VAP Samples

#	Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: S=Solid, L=Liquid, O=Oil SL=Sludge, A=Air	Preservative	Number of Containers	Analytical Parameters and Methods: Copper and Lead (200.8)							
	E1605056-27	05/13/2016				DW	Y		X							
	E1605056-28	05/13/2016				DW	Y		X							
	E1605056-29	05/13/2016				DW	Y		X							
	E1605056-30	05/13/2016				DW	Y		X							
	E1605056-31	05/13/2016				DW	Y		X							
	E1605056-32	05/13/2016				DW	Y		X							
	E1605056-33	05/13/2016				DW	Y		X							
	E1605056-34	05/13/2016				DW	Y		X							
	E1605056-35	05/13/2016				DW	Y		X							
	E1605056-36	05/13/2016				DW	Y		X							
	E1605056-37	05/13/2016				DW	Y		X							
	E1605056-38	05/13/2016				DW	Y		X							
	E1605056-39	05/13/2016				DW	Y		X							

16057047-
001-049

Relinquished by:	Date	Time	Received by:	Date	Time

Received in Lab by:	Date	Time	Rush Requested: _____ Day(s)
SMCaplin			Must be approved by Lab Manager

Notes / Comments:
parameters Attached.

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
3310 Win Street
Cuyahoga Falls, Ohio 44223
800-278-0140

Analysis Request / Chain of Custody

For Summit Environmental Technologies, Inc. use only

Page of SET No.

Client Name: Alamo Analytical Labs	Project Identification:
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Contact Person: Dr. Reddy Gosala	Quote Number:
Sampled By:	☐ √ if Ohio VAP Samples

#	Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: S=Solid, L=Liquid, O=Oil SL=Sludge, A=Air	Preservative	Number of Containers	Analytical Parameters and Methods: Copper and Lead (200.8)							
	E1605056-40	05/13/2016				DW	Y		X							
	E1605056-41	05/13/2016				DW	Y		X							
	E1605056-42	05/13/2016				DW	Y		X							
	E1605056-43	05/13/2016				DW	Y		X							
	E1605056-44	05/13/2016				DW	Y		X							
	E1605056-45	05/13/2016				DW	Y		X							
	E1605056-46	05/13/2016				DW	Y		X							
	E1605056-47	05/13/2016				DW	Y		X							
	E1605056-48	05/13/2016				DW	Y		X							
	E1605056-49	05/13/2016				DW	Y		X							
						DW	Y		X							
						DW	Y		X							
						DW	Y		X							

1605056-
001-049sc

Relinquished by:	Date	Time	Received by:	Date	Time

Received in Lab by:	Date	Time	Rush Requested: _____ Day(s)
SMCgm			Must be approved by Lab Manager

Notes / Comments:
parameters Attached.

ALAMO ANALYTICAL LABORATORIES LTD.

CHAIN OF CUSTODY RECORD

COC#: 11143

ACCREDITED IN ACCORDANCE WITH nelac
NELAC Certificate #. T104704367-10-3

Main Office: 10526 Gulfdale
San Antonio, Texas 78216
(210) 340-8121 • Fax (210) 340-8

2500 Montana
El Paso, TX 79903
915-599-2182

MUST BE COMPLETED BY CLIENT

Alamo's Client: Texas Dept of Aging & Disability Services	Client's P.O. #: 86044 53900-6-00000
Project Manager: James W. Lannon	Phone #: 915 782-6455
Address: 6700 Delta Drive El Paso TX 79905	Fax #: 915 782 6375
Project Number: EPSSLC Lead/Copper Potable Water Testing	Project Name:
Project Location: 6700 Delta Drive El Paso TX 79905	Sampler Signature: 5/13/16

Turnaround time: Standard(7)☐ (in working days)

RUSH: 1☐ 2☐ 3-5■ Days (additional charges)

TRRP 13 Report: Yes☐ No☐ (additional charges)

Analysis for Permit Compliance: Yes☐ No☐

DMR Form Required: Yes☐ No☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	ANALYSIS Lead	ANALYSIS Copper						REMARI (Preservation, Size/A
E1605056-01	5/13/16	4:10 Am		X	Water		503 Rm 1009 Grab		X	X						
-02	5/13/16	4:14 Am	X		Water		503 Rm 1009 Composite		X	X						
-03	5/13/16	4:11 Am		X	Water		503 Rm 1030 Grab		X	X						
-04	5/13/16	4:15 Am	X		Water		503 Rm 1030 Composite		X	X						
-05	5/13/16	4:18 Am		X	Water		503 Rm 1016 Grab		X	X						
-06	5/13/16	4:22 Am	X		Water		503 Rm 1016 Composite		X	X						
-07	5/13/16	4:19 Am		X	Water		503 Rm 1025 Grab		X	X						
-08	5/13/16	4:23 Am	X		Water		503 Rm 1025 Composite		X	X						
-09	5/13/16	4:28 Am		X	Water		503 Rm 1115 Grab		X	X						
-10	5/13/16	4:32 Am	X		Water		503 Rm 1115 Composite		X	X						

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
	5/13/16	1:58 Pm	
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
	5/13/16	2:02 ~~1:58~~ 5/13/16	N. Nay
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)

Headspace			If Yes, Amt.
Properly Sealed	✓		If No, Explain
Chilled ≤4° C	✓		If No, Temp.

Comments:

<4°C

ALAMO ANALYTICAL LABORATORIES LTD.

CHAIN OF CUSTODY RECORD

COC#: 11144

ACCREDITED IN ACCORDANCE WITH nelac
NELAC Certificate #. T104704367-10-3

Main Office: 10526 Gulfdale
San Antonio, Texas 78216
(210) 340-8121 • Fax (210) 340-8

2500 Montana
El Paso, TX 79903
915-599-2182

MUST BE COMPLETED BY CLIENT

Alamo's Client: Texas Dept of Aging + Disability Services	Client's P.O. #: 53900-6-000086044
Project Manager: James W. Lannon	Phone #: 915 782 6455
Address: 6700 Delta Drive El Paso TX 79905	Fax #: 915 782 6375
Project Number: EPSSLC Lead/Copper	Project Name: Potable Water Testing
Project Location: 6700 Delta Drive El Paso TX 79905	Sampler Signature: W. Rm 5/13/16

Turnaround time: Standard(7)☐ (in working days)

RUSH: 1☐ 2☐ 3-5■ Days (additional charges)

TRRP 13 Report: Yes☐ No☐ (additional charges)

Analysis for Permit Compliance: Yes☐ No☐

DMR Form Required: Yes☐ No☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	ANALYSIS Copper	ANALYSIS Lead						REMARI (Preservation, Size/A
E1605056-11	5/13/16	4:59 Am		X	Water		506 Rm 104 Grab ✓		X	X						
-12	5/13/16	5:03 Am	X		Water		506 Rm 104 Composite ✓		X	X						
-13	5/13/16	4:49 Am		X	Water		506 Rm 112A Grab ✓		X	X						
-14	5/13/16	4:53 Am	X		Water		506 Rm 112A Composite ✓		X	X						
-15	5/13/16	4:58 Am		X	Water		506 Rm 128 Grab ✓		X	X						
-16	5/13/16	5:04 Am	X		Water		506 Rm 128 Composite ✓		X	X						
-17	5/13/16	4:50 Am		X	Water		506 Rm 134 Grab ✓		X	X						
-18	5/13/16	4:54 Am	X		Water		506 Rm 134 Composite ✓		X	X						
-19	5/13/16	5:09 Am		X	Water		513 Rm 104 Grab ✓		X	X						
-20	5/13/16	5:14 Am	X		Water		513 Rm 104 Composite ✓		X	X						

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
W. Rm	5/13/16	2:00 Pm	
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
	5/13/16	2:08PM	N. Nix
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)

Headspace			If Yes, Amt.
Properly Sealed	✓		If No, Explain
Chilled ≤4° C	✓		If No, Temp.

Comments:

<4C

ALAMO ANALYTICAL LABORATORIES LTD.

CHAIN OF CUSTODY RECORD

COC#: 11145

ACCREDITED IN ACCORDANCE WITH nelac
NELAC Certificate #. T104704367-10-3

Main Office: 10526 Gulfdale
San Antonio, Texas 78216
(210) 340-8121 • Fax (210) 340-8

2500 Montana
El Paso, TX 79903
915-599-2182

MUST BE COMPLETED BY CLIENT

Alamo's Client: Texas Dept of Aging & Disability Services	Client's P.O. #: 53900-6-0000086044
Project Manager: James W. Lannon	Phone #: 915 782 6455
Address: 6700 Delta Drive El Paso TX 79905	Fax #: 915 782 6375
Project Number: EPSSLC Lead/Copper Potable Water Testing	Project Name
Project Location: 6700 Delta Drive El Paso, TX 79905	Sampler Signature:

Turnaround time: Standard(7)☐ (in working days)

RUSH: 1☐ 2☐ 3-5■ Days (additional charges)

TRRP 13 Report: Yes☐ No☐ (additional charges)

Analysis for Permit Compliance: Yes☐ No☐

DMR Form Required: Yes☐ No☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	ANALYSIS Lead	ANALYSIS Copper						REMARK (Preservation, Size/A
E1605056-21	5/13/16	5:15 Am		X	Water		~~Rm~~ 513 Rm 112A Grab		X	X						
-22	5/13/16	5:18 Am	X		Water		513 Rm 112A Composite		X	X						
-23	5/13/16	5:19 Am		X	Water		513 Rm 128 Grab		X	X						
-24	5/13/16	5:24 Am	X		Water		513 Rm 128 Composite		X	X						
-25	5/13/16	5:10 Am		X	Water		513 Rm 134 Grab		X	X						
-26	5/13/16	5:13 Am	X		Water		513 Rm 134 Composite		X	X						
-27	5/13/16	5:35 Am		X	Water		511 Rm 104 Grab		X	X						
-28	5/13/16	5:39 Am	X		Water		511 Rm 104 Composite		X	X						
-29	5/13/16	5:26 Am		X	Water		511 Rm 112A Grab		X	X						
-30	5/13/16	5:30 Am	X		Water		511 Rm 112A Composite		X	X						

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
[signature]	5/13/16	2:01 pm	
	5/13/16	2:02 PM	[signature]

Headspace			If Yes, Amt.
Properly Sealed	✓		If No, Explain
Chilled ≤4° C	✓		If No, Temp.

Comments: <4°C

ALAMO ANALYTICAL LABORATORIES LTD.

CHAIN OF CUSTODY RECORD

COC#: 11146

ACCREDITED IN ACCORDANCE WITH nelac
NELAC Certificate #. T104704367-10-3

Main Office: 10526 Gulfdale
San Antonio, Texas 78216
(210) 340-8121 • Fax (210) 340-8

2500 Montana
El Paso, TX 79903
915-599-2182

MUST BE COMPLETED BY CLIENT

Alamo's Client: Texas Dept of Aging + Disability Services
Client's P.O. #: 53900-6-00000 86044
Project Manager: James W. Lannon
Phone #: 915 782-6455
Address: 6700 Delta Drive El Paso Tx 79905
Fax #: 915 782 6375
Project Number: EPSSLC Lead / Copper
Project Name: Potable Water Testing
Project Location: 6700 Delta Drive El Paso Tx 79905
Sampler Signature: 5/13/16

Turnaround time: Standard(7)☐ (in working days)
RUSH: 1☐ 2☐ 3-5 Days (additional charges)
TRRP 13 Report: Yes☐ No☐ (additional charges)
Analysis for Permit Compliance: Yes☐ No☐
DMR Form Required: Yes☐ No☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	ANALYSIS Lead	ANALYSIS Copper						REMARI (Preservation, Size/A
E160 5056-31	5/13/16	5:37 Am		X	Water		511 Rm 128 Grab ✓		X	X						
-32	5/13/16	5:40 Am	X		Water		511 Rm 128 Composite ✓		X	X						
-33	5/13/16	5:28 Am		X	Water		511 Rm 134 Grab ✓		X	X						
-34	5/13/16	5:34 Am	X		Water		511 Rm 134 Composite		X	X						
-35	5/13/16	5:44 Am		X	Water		508 Rm 104 Grab ✓		X	X						
-36	5/13/16	5:48 Am	X		Water		508 Rm 104 Composite		X	X						
-37	5/13/16	5:42 Am	X		Water		508 Rm 112A Composite		X	X						
-38	5/13/16	5:51 Am		X	Water		507 Rm 104 Grab ✓		X	X						
-39	5/13/16	5:55 Am	X		Water		507 Rm 104 Composite		X	X						
-40	5/13/16	5:50 Am	X		Water		507 Rm 112A Composite		X	X						

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
	5/13/16	2:01 Pm	
	5/13/16	2:09 PM	N. Nunez

Headspace			If Yes, Amt.
Properly Sealed	✓		If No, Explain
Chilled ≤4° C	✓		If No, Temp.

Comments:

<4°C

ALAMO ANALYTICAL LABORATORIES LTD.

CHAIN OF CUSTODY RECORD

COC#: 11147

ACCREDITED IN ACCORDANCE WITH nelac
NELAC Certificate #. T104704367-10-3

Main Office: 10526 Gulfdale
San Antonio, Texas 78216
(210) 340-8121 • Fax (210) 340-8

2500 Montana
El Paso, TX 79903
915-599-2182

MUST BE COMPLETED BY CLIENT

Alamo's Client: Texas Dept of Aging + Disability Services	Client's P.O. #: 53900-6-00000086044
Project Manager: James W. Lawson	Phone #: 915 782 6455
Address: 6700 Delta Drive El Paso TX 79905	Fax #: 915 782 6375
Project Number: EPSSLC Lead / Copper Potable Water Testing	Project Name:
Project Location: 6700 Delta Drive El Paso TX 79905	Sampler Signature: 5/13/16

Turnaround time: Standard(7)☐ (in working days)

RUSH: 1☐ 2☐ 3-5☐ Days (additional charges)

TRRP 13 Report: Yes☐ No☐ (additional charges)

Analysis for Permit Compliance: Yes☐ No☐

DMR Form Required: Yes☐ No☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	ANALYSIS Lead	ANALYSIS Copper						REMARKS (Preservation, Size/A
E1605056-41	5/13/15	6:00 Am		X	Water		510 Rm 104 Grab		X	X						
-42	5/13/15	6:05 Am	X		Water		510 Rm 104 Composite		X	X						
-43	5/13/15	6:02 Am	X		Water		510 Rm 112A Composite		X	X						
-44	5/13/15	6:18 Am		X	Water		504 Rm 100 Fountain Grab		X	X						
-45	5/13/15	6:22 Am	X		Water		504 Rm 100 Fountain Composite		X	X						
-46	5/13/15	8:12 Am		X	Water		501 Rm 114 Grab		X	X						
-47	5/13/15	8:16 Am	X		Water		501 Rm 114 Composite		X	X						
-48	5/13/15	9:45 Am	X		Water		503 Rm 1000 Composite		X	X						
-49	5/13/15	9:55 Am	X		Water		503 Rm 1001 Composite		X	X						

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
	5/13/16	2:02 pm	
Relinquished by: (Signature / Print Name)	5/13/16	2:02PM	
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)

Headspace			If Yes, Amt.
Properly Sealed	✓		If No, Explain
Chilled ≤4° C	✓		If No, Temp.

Comments:

<4°C

ALAMO ANALYTICAL LABORATORIES, LTD.

1526 Gulfdale
n Antonio, TX – 78216;
. (210) 340-8121; Fax: (210) 340-8123

2500 Montana Ave.
El Paso, TX – 79903
Ph. (915) 599-2182

www.alamoanalytical.com; (800) 572-6955

Sample Log-In Checklist

ATE: 5 / 13 / 2016 TIME: 1430 INITIALS: AM

LIENT: Texas Dept of Aging PROJECT: W.O# E160056

Is a Chain of Custody present?	Yes	No	
Is a Chain of Custody properly completed?	Yes	No	
Are custody seals present?	Yes	No	
If yes, are they intact?	Yes	No	
Are they on: Sample _____ or on Shipping Container _____			
Are all samples tagged or labeled?	Yes	No	
If yes, do the labels match the Chain of Custody?	Yes	No	
Do all shipping documents agree (i.e., number of coolers arrived vs. on tickets) *If not*, describe below.	Yes	No	N/A
Are samples preserved properly? *If not*, describe below.	Yes	No	
Are all samples within holding times on arrival? *If not*, describe below.	Yes	No	

Other

Condition of shipping container: Intact ✓ or _____

Condition of samples: Intact ✓ or _____

Temperature of samples: <4

Delivery agent: Client ✓ UPS ____ Fed-Ex ____ Lone Star ____ Alamo P/U ____ Other _____

Sample disposal: Return to client _____ Alamo Analytical Disposal ✓

omments: (Reference checklist item number from above, or for comments on resolution below):

Rush
Water
Subcontract

Record of contacting client for resolution of sample discrepancies (first and retry contact)
Contacted How?

ne: _____ Phone ___ Fax ___ Date: ___/___/___ Time: _____

ALAMO ANALYTICAL LABORATORIES, LTD.
Main: 10526 Gulfdale • San Antonio, Texas 78216-3601 • (210) 340-8121 . Fax. (210) 340-8123
Branch: 2500 Montana Avenue, El Paso, TX - 79903; (915) 599-2182

REPORT NARRATIVE 5/27/2016

James Lannon
Dept of Aging & Disability Service
6700 Delta Drive
El Paso , Texas - 79905
TEL: (915) 782-6455 Email: james.lannon@dads.state.tx.us
FAX: (915) 782-6375

RE: El Paso SSLC Lead/Copper Potable Water Testing

Dear James Lannon: Order No. E1605073

Enclosed please find the analytical report for the sample/s received on 5/19/2016.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the Sample Acceptance Policy unless otherwise noted in the report.
DATA: Sample were prepared, analyzed and reported using the methods outlined in the following references: Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition
QA/QC: All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives, except as noted in the report with data qualifiers.

SUBCONTRACTED: Analyses were subcontracted.

COMMENTS: No significant observations were made.

Sincerely,

Niveditha Nanda
Technical Manager
Alamo Analytical Laboratories, LTD

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client.
Reproduction of this report wholly or in part requires written permission of the client.

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

Summit Environmental Technologies, In
3310 Win S
Cuyahoga Falls, Ohio 4422
TEL: (330) 253-8211 FAX: (330) 253-448
Website: http://www.settek.co

Qualifiers and Acronyms

WO#: **16051331**
Date: **5/27/2016**

These commonly used Qualifiers and Acronyms may or may not be present in this report.

Qualifiers

U	The compound was analyzed for but was not detected.
J	The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
H	The hold time for sample preparation and/or analysis was exceeded.
D	The result is reported from a dilution.
E	The result exceeded the linear range of the calibration or is estimated due to interference.
MC	The result is below the Minimum Compound Limit.
*	The result exceeds the Regulatory Limit or Maximum Contamination Limit.
m	Manual integration was used to determine the area response.
N	The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
P	The second column confirmation exceeded 25% difference.
C	The result has been confirmed by GC/MS.
X	The result was not confirmed when GC/MS Analysis was performed.
B/MB+	The analyte was detected in the associated blank.
G	The ICB or CCB contained reportable amounts of analyte.
QC-/+	The CCV recovery failed low (-) or high (+).
R/QDR	The RPD was outside of accepted recovery limits.
QL-/+	The LCS or LCSD recovery failed low (-) or high (+).
QLR	The LCS/LCSD RPD was outside of accepted recovery limits.
QM-/−	The MS or MSD recovery failed low (-) or high (+).
QMR	The MS/MSD RPD was outside of accepted recovery limits.
QV-/+	The ICV recovery failed low (-) or high (+).
S	The spike result was outside of accepted recovery limits.
Z	Deviation; A deviation from the method was performed; Please refer to the Case Narrative for additional information

Acronyms

ND	Not Detected	**RL**	Reporting Limit
QC	Quality Control	**MDL**	Method Detection Limit
MB	Method Blank	**LOD**	Level of Detection
LCS	Laboratory Control Sample	**LOQ**	Level of Quantitation
LCSD	Laboratory Control Sample Duplicate	**PQL**	Practical Quantitation Limit
QCS	Quality Control Sample	**CRQL**	Contract Required Quantitation Limit
DUP	Duplicate	**PL**	Permit Limit
MS	Matrix Spike	**RegLvl**	Regulatory Limit
MSD	Matrix Spike Duplicate	**MCL**	Maximum Contamination Limit
RPD	Relative Percent Different	**MinCL**	Minimum Compound Limit
ICV	Initial Calibration Verification	**RA**	Reanalysis
ICB	Initial Calibration Blank	**RE**	Reextraction
CCV	Continuing Calibration Verification	**TIC**	Tentatively Identified Compound
CCB	Continuing Calibration Blank	**RT**	Retention Time
RLC	Reporting Limit Check	**CF**	Calibration Factor
DF	Dilution Factor	**RF**	Response Factor

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.setlab.com

WO#: **16051331**
Date Reported: **5/27/2016**
Company: Alamo Analytical Laboratories, Ltd
Address: 10526 Gulfdale
San Antonio TX 78216
Received: 5/20/2016
Project#: E1605073

Client ID#	Lab#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Analyst
E1605073-01A	001	5/19/2016	Copper	0.221	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-01A	001	5/19/2016	Lead	0.00253	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-02A	002	5/19/2016	Copper	0.134	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-02A	002	5/19/2016	Lead	ND	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-03A	003	5/19/2016	Copper	0.170	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-03A	003	5/19/2016	Lead	ND	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-04A	004	5/19/2016	Copper	0.175	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-04A	004	5/19/2016	Lead	ND	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-05A	005	5/19/2016	Copper	2.16	mg/L	*	Drinking Water	EPA 200.8	100	0.0511	0.100	5/25/2016	MFW
E1605073-05A	005	5/19/2016	Lead	2.68	mg/L	*	Drinking Water	EPA 200.8	100	0.00434	0.100	5/24/2016	MFW
E1605073-06A	006	5/19/2016	Copper	0.0567	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-06A	006	5/19/2016	Lead	0.00770	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-07A	007	5/19/2016	Copper	0.963	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E1605073-07A	007	5/19/2016	Lead	0.758	mg/L	*	Drinking Water	EPA 200.8	10	0.000434	0.0100	5/24/2016	MFW
E1605073-08A	008	5/19/2016	Copper	0.235	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-08A	008	5/19/2016	Lead	0.0272	mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-09A	009	5/19/2016	Copper	0.416	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-09A	009	5/19/2016	Lead	0.00846	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-010A	010	5/19/2016	Copper	0.241	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-010A	010	5/19/2016	Lead	ND	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-011A	011	5/19/2016	Copper	0.826	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E1605073-011A	011	5/19/2016	Lead	0.180	mg/L	*	Drinking Water	EPA 200.8	10	0.000434	0.0100	5/24/2016	MFW
E1605073-012A	012	5/19/2016	Copper	0.418	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-012A	012	5/19/2016	Lead	0.00567	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW

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Website: http://www.setlab.com

WO#: **16051331**
Date Reported: **5/27/2016**
Company: Alamo Analytical Laboratories, Ltd
Address: 10526 Gulfdale
San Antonio TX 78216
Received: 5/20/2016
Project#: E1605073

Client ID#	Lab#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Analyst
E1605073-013A	013	5/19/2016	Copper	0.773	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E1605073-013A	013	5/19/2016	Lead	0.0585	mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-014A	014	5/19/2016	Copper	0.365	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-014A	014	5/19/2016	Lead	0.00169	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-015A	015	5/19/2016	Copper	1.27	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E1605073-015A	015	5/19/2016	Lead	0.0935	mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-016A	016	5/19/2016	Copper	1.19	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E1605073-016A	016	5/19/2016	Lead	0.00127	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-017A	017	5/19/2016	Copper	0.938	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E1605073-017A	017	5/19/2016	Lead	0.0454	mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-018A	018	5/19/2016	Copper	0.510	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E1605073-018A	018	5/19/2016	Lead	0.00764	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-019A	019	5/19/2016	Copper	0.530	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E1605073-019A	019	5/19/2016	Lead	0.0122	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-020A	020	5/19/2016	Copper	0.0731	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-020A	020	5/19/2016	Lead	ND	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-021A	021	5/19/2016	Copper	0.766	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E1605073-021A	021	5/19/2016	Lead	0.00680	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-022A	022	5/19/2016	Copper	0.238	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-022A	022	5/19/2016	Lead	0.00106	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-023A	023	5/19/2016	Copper	0.603	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E1605073-023A	023	5/19/2016	Lead	0.00307	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-024A	024	5/19/2016	Copper	0.345	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-024A	024	5/19/2016	Lead	ND	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW

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Website: http://www.setlab.com

WO#: **16051331**
Date Reported: **5/27/2016**
Company: Alamo Analytical Laboratories, Ltd
Address: 10526 Gulfdale
San Antonio TX 78216
Received: 5/20/2016
Project#: E1605073

Client ID#	Lab#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Analyst
E1605073-025A	025	5/19/2016	Copper	0.599	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E1605073-025A	025	5/19/2016	Lead	0.0244	mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-026A	026	5/19/2016	Copper	0.189	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-026A	026	5/19/2016	Lead	ND	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-027A	027	5/19/2016	Copper	1.11	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E1605073-027A	027	5/19/2016	Lead	0.604	mg/L	*QL-	Drinking Water	EPA 200.8	10	0.000434	0.0100	5/25/2016	MFW
E1605073-028A	028	5/19/2016	Copper	0.136	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-028A	028	5/19/2016	Lead	0.00171	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-029A	029	5/19/2016	Copper	1.17	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E1605073-029A	029	5/19/2016	Lead	0.0874	mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-030A	030	5/19/2016	Copper	0.570	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E1605073-030A	030	5/19/2016	Lead	0.00953	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-031A	031	5/19/2016	Copper	0.963	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E1605073-031A	031	5/19/2016	Lead	0.0312	mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-032A	032	5/19/2016	Copper	0.150	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-032A	032	5/19/2016	Lead	ND	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-033A	033	5/19/2016	Copper	0.722	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E1605073-033A	033	5/19/2016	Lead	0.0154	mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-034A	034	5/19/2016	Copper	0.367	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-034A	034	5/19/2016	Lead	ND	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-035A	035	5/19/2016	Copper	4.42	mg/L	*	Drinking Water	EPA 200.8	100	0.0511	0.100	5/25/2016	MFW
E1605073-035A	035	5/19/2016	Lead	2.80	mg/L	*QL-	Drinking Water	EPA 200.8	100	0.00434	0.100	5/25/2016	MFW
E1605073-036A	036	5/19/2016	Copper	3.06	mg/L	*	Drinking Water	EPA 200.8	100	0.0511	0.100	5/25/2016	MFW
E1605073-036A	036	5/19/2016	Lead	2.05	mg/L	*QL-	Drinking Water	EPA 200.8	100	0.00434	0.100	5/25/2016	MFW

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Website: http://www.setlab.com

WO#: **16051331**
Date Reported: **5/27/2016**
Company: Alamo Analytical Laboratories, Ltd
Address: 10526 Gulfdale
San Antonio TX 78216
Received: 5/20/2016
Project#: E1605073

Client ID#	Lab#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Analyst
E1605073-037A	037	5/19/2016	Copper	0.214	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-037A	037	5/19/2016	Lead	0.00199	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-038A	038	5/19/2016	Copper	0.195	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-038A	038	5/19/2016	Lead	0.00163	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-039A	039	5/19/2016	Copper	1.12	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E1605073-039A	039	5/19/2016	Lead	0.0895	mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-040A	040	5/19/2016	Copper	0.674	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E1605073-040A	040	5/19/2016	Lead	0.00194	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-041A	041	5/19/2016	Copper	1.55	mg/L	*	Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E1605073-041A	041	5/19/2016	Lead	0.0478	mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-042A	042	5/19/2016	Copper	0.455	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-042A	042	5/19/2016	Lead	0.00157	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-043A	043	5/19/2016	Copper	0.866	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E1605073-043A	043	5/19/2016	Lead	0.0510	mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-044A	044	5/19/2016	Copper	0.357	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-044A	044	5/19/2016	Lead	0.0241	mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-045A	045	5/19/2016	Copper	0.337	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-045A	045	5/19/2016	Lead	0.00448	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-046A	046	5/19/2016	Copper	0.247	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-046A	046	5/19/2016	Lead	0.00106	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-047A	047	5/19/2016	Copper	0.408	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-047A	047	5/19/2016	Lead	0.00823	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-048A	048	5/19/2016	Copper	0.190	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-048A	048	5/19/2016	Lead	ND	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW

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WO#: **16051331**
Date Reported: **5/27/2016**
Company: Alamo Analytical Laboratories, Ltd
Address: 10526 Gulfdale
San Antonio TX 78216
Received: 5/20/2016
Project#: E1605073

Client ID#	Lab#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Analyst
E1605073-049A	049	5/19/2016	Copper	0.207	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-049A	049	5/19/2016	Lead	0.0666	mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-050A	050	5/19/2016	Copper	0.945	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E1605073-050A	050	5/19/2016	Lead	0.0204	mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-051A	051	5/19/2016	Copper	0.431	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-051A	051	5/19/2016	Lead	0.112	mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-052A	052	5/19/2016	Copper	0.107	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-052A	052	5/19/2016	Lead	0.00601	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-053A	053	5/19/2016	Copper	0.921	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E1605073-053A	053	5/19/2016	Lead	0.0403	mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-054A	054	5/19/2016	Copper	0.359	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-054A	054	5/19/2016	Lead	0.00194	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-055A	055	5/19/2016	Copper	0.269	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-055A	055	5/19/2016	Lead	0.0312	mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-056A	056	5/19/2016	Copper	0.101	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-056A	056	5/19/2016	Lead	0.00465	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-057A	057	5/19/2016	Copper	1.98	mg/L	*	Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E1605073-057A	057	5/19/2016	Lead	0.128	mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW
E1605073-058A	058	5/19/2016	Copper	0.0731	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E1605073-058A	058	5/19/2016	Lead	0.00255	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/24/2016	MFW

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QC SUMMARY REPORT

WO#: 16051331
27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E1605073
BatchID: 20666

Sample ID	MB-20666	SampType:	MBLK	TestCode:	Mtl-ICPMS_D	Units:	mg/L	Prep Date:	5/20/2016	RunNo:	54195
Client ID:	PBW	Batch ID:	20666	TestNo:	E200.8	E200.2		Analysis Date:	5/25/2016	SeqNo:	863373

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.00100									

Sample ID	LCS-20666	SampType:	LCS	TestCode:	Mtl-ICPMS_D	Units:	mg/L	Prep Date:	5/20/2016	RunNo:	54195
Client ID:	LCSW	Batch ID:	20666	TestNo:	E200.8	E200.2		Analysis Date:	5/25/2016	SeqNo:	863374

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0495	0.00100	0.0500	0	98.9	85	115				

Sample ID	16051331-001ADUP	SampType:	DUP	TestCode:	Mtl-ICPMS_D	Units:	mg/L	Prep Date:	5/20/2016	RunNo:	54195
Client ID:	E1605073-01A	Batch ID:	20666	TestNo:	E200.8	E200.2		Analysis Date:	5/25/2016	SeqNo:	863376

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.229	0.00100						0.221	3.89	20	

Sample ID	16051331-001AMS	SampType:	MS	TestCode:	Mtl-ICPMS_D	Units:	mg/L	Prep Date:	5/20/2016	RunNo:	54195
Client ID:	E1605073-01A	Batch ID:	20666	TestNo:	E200.8	E200.2		Analysis Date:	5/25/2016	SeqNo:	863377

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.274	0.00100	0.0500	0.221	107	70	130				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **16051331**

27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E1605073

BatchID: **20666**

Sample ID **16051331-001AMS** SampType: **MS** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/20/2016** RunNo: **54195**
Client ID: **E1605073-01A** Batch ID: **20666** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863377**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID **16051331-001AMSD** SampType: **MSD** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/20/2016** RunNo: **54195**
Client ID: **E1605073-01A** Batch ID: **20666** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863378**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.277	0.00100	0.0500	0.221	113	70	130	0.274	0.947	20	

Sample ID **16051331-011ADUP** SampType: **DUP** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/20/2016** RunNo: **54195**
Client ID: **E1605073-011A** Batch ID: **20666** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863389**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.816	0.0100						0.826	1.17	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **16051331**
27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E1605073 **BatchID:** **20666**

Sample ID **MB-20666** SampType: **MBLK** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/20/2016** RunNo: **54163**
Client ID: **PBW** Batch ID: **20666** TestNo: **E200.8** **E200.2** Analysis Date: **5/24/2016** SeqNo: **862480**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.00100									

Sample ID **LCS-20666** SampType: **LCS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/20/2016** RunNo: **54163**
Client ID: **LCSW** Batch ID: **20666** TestNo: **E200.8** **E200.2** Analysis Date: **5/24/2016** SeqNo: **862481**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0521	0.00100	0.0500	0	104	85	115				

Sample ID **16051331-001ADUP** SampType: **DUP** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/20/2016** RunNo: **54163**
Client ID: **E1605073-01A** Batch ID: **20666** TestNo: **E200.8** **E200.2** Analysis Date: **5/24/2016** SeqNo: **862483**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00246	0.00100						0.00253	2.81	20	

Sample ID **16051331-001AMS** SampType: **MS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/20/2016** RunNo: **54163**
Client ID: **E1605073-01A** Batch ID: **20666** TestNo: **E200.8** **E200.2** Analysis Date: **5/24/2016** SeqNo: **862484**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0573	0.00100	0.0500	0.00253	110	70	130				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **16051331**

27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E1605073

BatchID: **20666**

Sample ID **16051331-001AMS** SampType: **MS** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/20/2016** RunNo: **54163**
Client ID: **E1605073-01A** Batch ID: **20666** TestNo: **E200.8** **E200.2** Analysis Date: **5/24/2016** SeqNo: **862484**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID **16051331-001AMSD** SampType: **MSD** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/20/2016** RunNo: **54163**
Client ID: **E1605073-01A** Batch ID: **20666** TestNo: **E200.8** **E200.2** Analysis Date: **5/24/2016** SeqNo: **862485**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0585	0.00100	0.0500	0.00253	112	70	130	0.0573	2.07	20	

Sample ID **16051331-011ADUP** SampType: **DUP** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/20/2016** RunNo: **54163**
Client ID: **E1605073-011A** Batch ID: **20666** TestNo: **E200.8** **E200.2** Analysis Date: **5/24/2016** SeqNo: **862496**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.182	0.0100						0.180	1.49	20	*

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **16051331**

27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E1605073

BatchID: **20667**

Sample ID	MB-20667	SampType:	MBLK	TestCode:	Mtl-ICPMS_D	Units:	mg/L	Prep Date:	5/20/2016	RunNo:	54195
Client ID:	PBW	Batch ID:	20667	TestNo:	E200.8	E200.2		Analysis Date:	5/25/2016	SeqNo:	863641

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.00100									

Sample ID	LCS-20667	SampType:	LCS	TestCode:	Mtl-ICPMS_D	Units:	mg/L	Prep Date:	5/20/2016	RunNo:	54195
Client ID:	LCSW	Batch ID:	20667	TestNo:	E200.8	E200.2		Analysis Date:	5/25/2016	SeqNo:	863642

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0508	0.00100	0.0500	0	102	85	115				

Sample ID	16051331-021ADUP	SampType:	DUP	TestCode:	Mtl-ICPMS_D	Units:	mg/L	Prep Date:	5/20/2016	RunNo:	54195
Client ID:	E1605073-021A	Batch ID:	20667	TestNo:	E200.8	E200.2		Analysis Date:	5/25/2016	SeqNo:	863644

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.757	0.0100						0.766	1.19	20	

Sample ID	16051331-031ADUP	SampType:	DUP	TestCode:	Mtl-ICPMS_D	Units:	mg/L	Prep Date:	5/20/2016	RunNo:	54195
Client ID:	E1605073-031A	Batch ID:	20667	TestNo:	E200.8	E200.2		Analysis Date:	5/25/2016	SeqNo:	863654

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.978	0.0100						0.963	1.48	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **16051331**

27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E1605073

BatchID: **20667**

Sample ID	**16051331-031ADUP**	SampType:	**DUP**	TestCode:	**Mtl-ICPMS_D**	Units:	**mg/L**	Prep Date:	**5/20/2016**	RunNo:	**54195**		
Client ID:	**E1605073-031A**	Batch ID:	**20667**	TestNo:	**E200.8**	**E200.2**		Analysis Date:	**5/25/2016**	SeqNo:	**863654**		
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: 16051331
27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E1605073
BatchID: 20667

Sample ID	MB-20667	SampType:	MBLK	TestCode:	Mtl-ICPMS_D	Units:	mg/L	Prep Date:	5/20/2016	RunNo:	54163
Client ID:	PBW	Batch ID:	20667	TestNo:	E200.8	E200.2		Analysis Date:	5/24/2016	SeqNo:	862525

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.00100									

Sample ID	LCS-20667	SampType:	LCS	TestCode:	Mtl-ICPMS_D	Units:	mg/L	Prep Date:	5/20/2016	RunNo:	54163
Client ID:	LCSW	Batch ID:	20667	TestNo:	E200.8	E200.2		Analysis Date:	5/24/2016	SeqNo:	862526

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0519	0.00100	0.0500	0	104	85	115				

Sample ID	16051331-021ADUP	SampType:	DUP	TestCode:	Mtl-ICPMS_D	Units:	mg/L	Prep Date:	5/20/2016	RunNo:	54163
Client ID:	E1605073-021A	Batch ID:	20667	TestNo:	E200.8	E200.2		Analysis Date:	5/24/2016	SeqNo:	862528

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00669	0.00100						0.00660	1.63	20	

Sample ID	16051331-021AMS	SampType:	MS	TestCode:	Mtl-ICPMS_D	Units:	mg/L	Prep Date:	5/20/2016	RunNo:	54163
Client ID:	E1605073-021A	Batch ID:	20667	TestNo:	E200.8	E200.2		Analysis Date:	5/24/2016	SeqNo:	862529

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0601	0.00100	0.0500	0.00680	107	70	130				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **16051331**
27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E1605073
BatchID: **20667**

Sample ID **16051331-021AMS** SampType: **MS** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/20/2016** RunNo: **54163**
Client ID: **E1605073-021A** Batch ID: **20667** TestNo: **E200.8** **E200.2** Analysis Date: **5/24/2016** SeqNo: **862529**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID **16051331-021AMSD** SampType: **MSD** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/20/2016** RunNo: **54163**
Client ID: **E1605073-021A** Batch ID: **20667** TestNo: **E200.8** **E200.2** Analysis Date: **5/24/2016** SeqNo: **862530**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0615	0.00100	0.0500	0.00680	109	70	130	0.0601	2.33	20	

Sample ID **16051331-031ADUP** SampType: **DUP** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/20/2016** RunNo: **54163**
Client ID: **E1605073-031A** Batch ID: **20667** TestNo: **E200.8** **E200.2** Analysis Date: **5/24/2016** SeqNo: **862538**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0311	0.00100						0.0312	0.128	20	*

Sample ID **16051331-031AMS** SampType: **MS** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/20/2016** RunNo: **54163**
Client ID: **E1605073-031A** Batch ID: **20667** TestNo: **E200.8** **E200.2** Analysis Date: **5/24/2016** SeqNo: **862539**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0866	0.00100	0.0500	0.0312	111	70	130				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
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QC SUMMARY REPORT

WO#: **16051331**

27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E1605073

BatchID: **20667**

Sample ID **16051331-031AMSD** SampType: **MSD** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/20/2016** RunNo: **54163**
Client ID: **E1605073-031A** Batch ID: **20667** TestNo: **E200.8** **E200.2** Analysis Date: **5/24/2016** SeqNo: **862540**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0850	0.00100	0.0500	0.0312	108	70	130	0.0866	1.78	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **16051331**
27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E1605073 **BatchID:** **20668**

Sample ID **16051331-041ADUP** SampType: **DUP** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/20/2016** RunNo: **54195**
Client ID: **E1605073-041A** Batch ID: **20668** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863692**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	1.56	0.0100						1.55	0.926	20	*

Sample ID **16051331-051ADUP** SampType: **DUP** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/20/2016** RunNo: **54195**
Client ID: **E1605073-051A** Batch ID: **20668** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863705**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.431	0.00100						0.431	0.128	20	

Sample ID **16051331-051AMS** SampType: **MS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/20/2016** RunNo: **54195**
Client ID: **E1605073-051A** Batch ID: **20668** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863706**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.484	0.00100	0.0500	0.431	107	70	130				

Sample ID **16051331-051AMSD** SampType: **MSD** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/20/2016** RunNo: **54195**
Client ID: **E1605073-051A** Batch ID: **20668** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863707**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.492	0.00100	0.0500	0.431	122	70	130	0.484	1.57	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **16051331**
27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E1605073
BatchID: **20668**

Sample ID	**16051331-051AMSD**	SampType:	**MSD**	TestCode:	**Mtl-ICPMS_D**	Units:	**mg/L**	Prep Date:	**5/20/2016**	RunNo:	**54195**		
Client ID:	**E1605073-051A**	Batch ID:	**20668**	TestNo:	**E200.8**	**E200.2**		Analysis Date:	**5/25/2016**	SeqNo:	**863707**		
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: 16051331
27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E1605073
BatchID: 20668

Sample ID	MB-20668	SampType:	MBLK	TestCode:	Mtl-ICPMS_D	Units:	mg/L	Prep Date:	5/20/2016	RunNo:	54163
Client ID:	PBW	Batch ID:	20668	TestNo:	E200.8	E200.2		Analysis Date:	5/24/2016	SeqNo:	862573

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.00100									

Sample ID	LCS-20668	SampType:	LCS	TestCode:	Mtl-ICPMS_D	Units:	mg/L	Prep Date:	5/20/2016	RunNo:	54163
Client ID:	LCSW	Batch ID:	20668	TestNo:	E200.8	E200.2		Analysis Date:	5/24/2016	SeqNo:	862574

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0502	0.00100	0.0500	0	100	85	115				

Sample ID	16051331-041ADUP	SampType:	DUP	TestCode:	Mtl-ICPMS_D	Units:	mg/L	Prep Date:	5/20/2016	RunNo:	54163
Client ID:	E1605073-041A	Batch ID:	20668	TestNo:	E200.8	E200.2		Analysis Date:	5/24/2016	SeqNo:	862576

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0469	0.00100						0.0478	1.77	20	*

Sample ID	16051331-041AMS	SampType:	MS	TestCode:	Mtl-ICPMS_D	Units:	mg/L	Prep Date:	5/20/2016	RunNo:	54163
Client ID:	E1605073-041A	Batch ID:	20668	TestNo:	E200.8	E200.2		Analysis Date:	5/24/2016	SeqNo:	862577

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.103	0.00100	0.0500	0.0478	111	70	130				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253 8211 FAX: (330) 253 4489
Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **16051331**
27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E1605073
BatchID: **20668**

Sample ID **16051331-041AMS** SampType: **MS** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/20/2016** RunNo: **54163**
Client ID: **E1605073-041A** Batch ID: **20668** TestNo: **E200.8** **E200.2** Analysis Date: **5/24/2016** SeqNo: **862577**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID **16051331-041AMSD** SampType: **MSD** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/20/2016** RunNo: **54163**
Client ID: **E1605073-041A** Batch ID: **20668** TestNo: **E200.8** **E200.2** Analysis Date: **5/24/2016** SeqNo: **862578**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.100	0.00100	0.0500	0.0478	105	70	130	0.103	3.25	20	

Sample ID **16051331-051ADUP** SampType: **DUP** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/20/2016** RunNo: **54163**
Client ID: **E1605073-051A** Batch ID: **20668** TestNo: **E200.8** **E200.2** Analysis Date: **5/24/2016** SeqNo: **862589**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.113	0.00100						0.112	1.14	20	*

Sample ID **16051331-051AMS** SampType: **MS** TestCode: **MtI-ICPMS_D** Units: **mg/L** Prep Date: **5/20/2016** RunNo: **54163**
Client ID: **E1605073-051A** Batch ID: **20668** TestNo: **E200.8** **E200.2** Analysis Date: **5/24/2016** SeqNo: **862590**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.165	0.00100	0.0500	0.112	106	70	130				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
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QC SUMMARY REPORT

WO#: **16051331**

27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E1605073

BatchID: **20668**

Sample ID **16051331-051AMSD** SampType: **MSD** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/20/2016** RunNo: **54163**
Client ID: **E1605073-051A** Batch ID: **20668** TestNo: **E200.8** **E200.2** Analysis Date: **5/24/2016** SeqNo: **862591**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.168	0.00100	0.0500	0.112	111	70	130	0.165	1.66	20	

Qualifiers:

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H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
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QC SUMMARY REPORT

WO#: **16051331**
27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E1605073
BatchID: **20676**

Sample ID **16051331-015ADUP** SampType: **DUP** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **E1605073-015A** Batch ID: **20676** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863731**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	1.28	0.0100						1.27	1.18	20	

Qualifiers:

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H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: 16051331
27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E1605073
BatchID: 20676

Sample ID	MB-20676	SampType:	MBLK	TestCode:	Mtl-ICPMS_D	Units:	mg/L	Prep Date:	5/23/2016	RunNo:	54163
Client ID:	PBW	Batch ID:	20676	TestNo:	E200.8	E200.2		Analysis Date:	5/24/2016	SeqNo:	862652

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.00100									

Sample ID	LCS-20676	SampType:	LCS	TestCode:	Mtl-ICPMS_D	Units:	mg/L	Prep Date:	5/23/2016	RunNo:	54163
Client ID:	LCSW	Batch ID:	20676	TestNo:	E200.8	E200.2		Analysis Date:	5/24/2016	SeqNo:	862653

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0483	0.00100	0.0500	0	96.6	85	115				

Sample ID	16051331-015ADUP	SampType:	DUP	TestCode:	Mtl-ICPMS_D	Units:	mg/L	Prep Date:	5/23/2016	RunNo:	54163
Client ID:	E1605073-015A	Batch ID:	20676	TestNo:	E200.8	E200.2		Analysis Date:	5/24/2016	SeqNo:	862655

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0961	0.00100						0.0935	2.76	20	*

Sample ID	16051331-023AMS	SampType:	MS	TestCode:	Mtl-ICPMS_D	Units:	mg/L	Prep Date:	5/23/2016	RunNo:	54163
Client ID:	E1605073-023A	Batch ID:	20676	TestNo:	E200.8	E200.2		Analysis Date:	5/24/2016	SeqNo:	862657

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0491	0.00100	0.0500	0.00307	92.1	70	130				

Qualifiers:

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H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: 16051331
27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E1605073
BatchID: 20676

Sample ID 16051331-023AMS SampType: MS TestCode: Mtl-ICPMS_D Units: mg/L Prep Date: 5/23/2016 RunNo: 54163
Client ID: E1605073-023A Batch ID: 20676 TestNo: E200.8 E200.2 Analysis Date: 5/24/2016 SeqNo: 862657

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID 16051331-023AMSD SampType: MSD TestCode: Mtl-ICPMS_D Units: mg/L Prep Date: 5/23/2016 RunNo: 54163
Client ID: E1605073-023A Batch ID: 20676 TestNo: E200.8 E200.2 Analysis Date: 5/24/2016 SeqNo: 862658

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0484	0.00100	0.0500	0.00307	90.6	70	130	0.0491	1.52	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	M	Manual Integration used to determine
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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Cuyahoga Falls, Ohio 44223
800-278-0140

Analysis Request / Chain of Custody

For Summit Environmental Technologies, Inc. use only

SET No.

Client Name: Alamo Analytical Labs	Project Identification
Client Address: 10526 Gulfdale, San Antonio, TX-78216	Project Address: Drinking Water
Client Phone: (210) 340-8121	Report To: Dr. Reddy Gosala
Client Fax No.: (210) 340-8123 — √ to Receive Results by Fax ☐	PO Number
Contact Person: Dr. Reddy Gosala	Quote Number
Sampled By	☐ √ if Ohio VAP Samples

#	Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: S=Solid, L=Liquid, O=Oil SL=Sludge, A=Air	Preservative	Number of Containers	Analytical Parameters and Methods: Copper and Lead (200.8)							
	502 Rm 107 Grab (E1605073-01A)	05/19/16	4:10	X		DW	Y	1	X							
	502 Rm 107 Composite (E1605073-02A)	05/19/16	4:14		X	DW	Y	1	X							
	502 Rm 108 Grab (E1605073-03A)	05/19/16	4:15	X		DW	Y	1	X							
	502 Rm 108 Composite (E1605073-04A)	05/19/16	4:18		X	DW	Y	1	X							
	502 Rm 131 Grab (E1605073-05A)	05/19/16	4:20	X		DW	Y	1	X							
	502 Rm 131 Composite (E1605073-06A)	05/19/16	4:24		X	DW	Y	1	X							
	501 Rm 121L Grab (E1605073-07A)	05/19/16	4:25	X		DW	Y	1	X							
	501 Rm 121L Composite (E1605073-08A)	05/19/16	4:28		X	DW	Y	1	X							
	501 Rm 124L Grab (E1605073-09A)	05/19/16	4:29	X		DW	Y	1	X							
	501 Rm 124L Composite (E1605073-10A)	05/19/16	4:33		X	DW	Y	1	X							
	505 Rm 124L Grab (E1605073-11A)	05/19/16	4:36	X		DW	Y	1	X							
	505 Rm 124L Composite (E1605073-12A)	05/19/16	4:39		X	DW	Y	1	X							
	505 Rm 120L Grab (E1605073-13A)	05/19/16	4:40	X		DW	Y	1	X							

1605131-001-058 SC

Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	5/19/16	1600			

Received in Lab by:	Date	Time
[illegible]	5-20-16	945

Rush Requested: _____ **Day(s)**
Must be approved by Lab Manager

Notes / Comments:
~~parameters Attached.~~ [illegible] 5/19/16

SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
3310 Win Street
Cuyahoga Falls, Ohio 44223
800-278-0140

Analysis Request / Chain of Custody

For Summit Environmental Technologies, Inc. use only

SET No.

Client Name: Alamo Analytical Labs	Project Identification:
Client Address: 10526 Gulfdale, San Antonio, TX-78216	Project Address: Drinking Water
Client Phone: (210) 340-8121	Report To: Dr. Reddy Gosala
Client Fax No.: (210) 340-8123 — √ to Receive Results by Fax ☐	PO Number:
Contact Person: Dr. Reddy Gosala	Quote Number:
Sampled By:	☐ √ if Ohio VAP Samples

#	Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: S=Solid, L=Liquid, O=Oil SL=Sludge, A=Air	Preservative	Number of Containers	Analytical Parameters and Methods: Copper and Lead (200.8)							
	505 Rm 120L Composite (E1605073-14A)	05/19/16	4:44		X	DW	Y	1	X							
	506 Rm 121 Grab (E1605073-15A)	05/19/16	5:05	X		DW	Y	1	X							
	506 Rm 121 Composite (E1605073-16A)	05/19/16	5:08		X	DW	Y	1	X							
	506 Rm 109 Grab (E1605073-17A)	05/19/16	5:09	X		DW	Y	1	X							
	506 Rm 109 Composite (E1605073-18A)	05/19/16	5:12		X	DW	Y	1	X							
	506 Rm 124 Grab (E1605073-19A)	05/19/16	4:48	X		DW	Y	1	X							
	506 Rm 124 Composite (E1605073-20A)	05/19/16	4:52		X	DW	Y	1	X							
	513 Rm 121 Grab (E1605073-21A)	05/19/16	5:10	X		DW	Y	1	X							
	513 Rm 121 Composite (E1605073-22A)	05/19/16	5:14		X	DW	Y	1	X							
	513 Rm 109 Grab (E1605073-23A)	05/19/16	5:14	X		DW	Y	1	X							
	513 Rm 109 Composite (E1605073-24A)	05/19/16	5:18		X	DW	Y	1	X							
	513 Rm 124 Grab (E1605073-25A)	05/19/16	5:01	X		DW	Y	1	X							
	513 Rm 124 Composite (E1605073-26A)	05/19/16	5:04		X	DW	Y	1	X							

Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	5/19/16	1600			

Received in Lab by:	Date	Time
[illegible]	5-20-16	945

Rush Requested: _____ Day(s)
Must be approved by Lab Manager

Notes / Comments:
~~parameters Attached.~~ [illegible] 5/19/16

SUMMIT
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Cuyahoga Falls, Ohio 44223
800-278-0140

Analysis Request / Chain of Custody

For Summit Environmental Technologies, Inc. use only

SET No.

Client Name: Alamo Analytical Labs	Project Identification:
Client Address: 10526 Gulfdale, San Antonio, TX-78216	Project Address: Drinking Water
Client Phone: (210) 340-8121	Report To: Dr. Reddy Gosala
Client Fax No.: (210) 340-8123 — √ to Receive Results by Fax ☐	PO Number:
Contact Person: Dr. Reddy Gosala	Quote Number:
Sampled By:	☐ √ if Ohio VAP Samples

#	Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: S=Solid, L=Liquid, O=Oil SL=Sludge, A=Air	Preservative	Number of Containers	Analytical Parameters and Methods: Copper and Lead (200.8)							
	511 Rm 121Grab (E1605073-27A)	05/19/16	5:21	X		DW	Y	1	X							
	511 Rm 121 Composite (E1605073-28A)	05/19/16	5:25		X	DW	Y	1	X							
	511 Rm 109 Grab (E1605073-29A)	05/19/16	5:23	X		DW	Y	1	X							
	511 Rm 109 Composite (E1605073-30A)	05/19/16	5:27		X	DW	Y	1	X							
	511 Rm 124 Grab (E1605073-31A)	05/19/16	5:08	X		DW	Y	1	X							
	511 Rm 124 Composite (E1605073-32A)	05/19/16	5:12		X	DW	Y	1	X							
	502 Rm 142 Grab (E1605073-33A)	05/19/16	5:30	X		DW	Y	1	X							
	502 Rm 142 Composite (E1605073-34A)	05/19/16	5:33		X	DW	Y	1	X							
	502 Rm 143 Grab (E1605073-35A)	05/19/16	5:31	X		DW	Y	1	X							
	502 Rm 143 Composite (E1605073-36A)	05/19/16	5:35		X	DW	Y	1	X							
	516 Rm 107 Grab (E1605073-37A)	05/19/16	5:38	X		DW	Y	1	X							
	516 Rm 107 Composite (E1605073-38A)	05/19/16	5:42		X	DW	Y	1	X							
	516 Rm 108 Grab (E1605073-39A)	05/19/16	5:40	X		DW	Y	1	X							

Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	5/19/16	1600			

Received in Lab by:	Date	Time
[illegible]	5-20-16	945

Rush Requested: _____ **Day(s)**
Must be approved by Lab Manager

Notes / Comments:
~~parameters Attached.~~ tn 5/19/16

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800-278-0140

Analysis Request / Chain of Custody

For Summit Environmental Technologies, Inc. use only

SET No.

Client Name: Alamo Analytical Labs	Project Identification
Client Address: 10526 Gulfdale, San Antonio, TX-78216	Project Address: Drinking Water
Client Phone: (210) 340-8121	Report To: Dr. Reddy Gosala
Client Fax No.: (210) 340-8123 — √ to Receive Results by Fax ☐	PO Number
Contact Person: Dr. Reddy Gosala	Quote Number
Sampled By	☐ √ if Ohio VAP Samples

#	Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: S=Solid, L=Liquid, O=Oil SL=Sludge, A=Air	Preservative	Number of Containers	Analytical Parameters and Methods: Copper and Lead (200.8)							
	516 Rm 108 Composite (E1605073-40A)	05/19/16	5:44		X	DW	Y	1	X							
	516 Rm 103 Grab (E1605073-41A)	05/19/16	5:45	X		DW	Y	1	X							
	516 Rm 103 Composite (E1605073-42A)	05/19/16	5:49		X	DW	Y	1	X							
	515 Rm 150 Grab (E1605073-43A)	05/19/16	5:55	X		DW	Y	1	X							
	515 Rm 150 Composite (E1605073-44A)	05/19/16	5:59		X	DW	Y	1	X							
	515 Rm 149 Grab (E1605073-45A)	05/19/16	5:56	X		DW	Y	1	X							
	515 Rm 149 Composite (E1605073-46A)	05/19/16	6:00		X	DW	Y	1	X							
	515 Rm 153 Grab (E1605073-47A)	05/19/16	6:02	X		DW	Y	1	X							
	515 Rm 153 Composite (E1605073-48A)	05/19/16	6:05		X	DW	Y	1	X							
	515 Rm 104 Grab (E1605073-49A)	05/19/16	6:08	X		DW	Y	1	X							
	515 Rm 104 Composite (E1605073-50A)	05/19/16	6:12		X	DW	Y	1	X							
	515 Rm 112 Grab (E1605073-51A)	05/19/16	6:15	X		DW	Y	1	X							
	515 Rm 112 Composite (E1605073-52A)	05/19/16	6:18		X	DW	Y	1	X							

Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	5/19/16	1600			

Received in Lab by:	Date	Time
[illegible]	5-20-16	945

Rush Requested: _____ Day(s)
Must be approved by Lab Manager

Notes / Comments:
~~parameters Attached~~ AM 5/20/16

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800-278-0140

Analysis Request / Chain of Custody

For Summit Environmental Technologies, Inc. use only

SET No.

Client Name: Alamo Analytical Labs	Project Identification:
Client Address: 10526 Gulfdale, San Antonio, TX-78216	Project Address: Drinking Water
Client Phone: (210) 340-8121	Report To: Dr. Reddy Gosala
Client Fax No.: (210) 340-8123 — √ to Receive Results by Fax ☐	PO Number:
Contact Person: Dr. Reddy Gosala	Quote Number:
Sampled By:	☐ √ if Ohio VAP Samples

#	Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: S=Solid, L=Liquid, O=Oil SL=Sludge, A=Air	Preservative	Number of Containers	Analytical Parameters and Methods: Copper and Lead (200.8)							
	515 Rm 148 Grab (E1605073-53A)	05/19/16	6:17	X		DW	Y	1	X							
	515 Rm 148 Composite (E1605073-54A)	05/19/16	6:20		X	DW	Y	1	X							
	502 Rm 136 Grab (E1605073-55A)	05/19/16	6:25	X		DW	Y	1	X							
	502 Rm 136 Composite (E1605073-56A)	05/19/16	6:29		X	DW	Y	1	X							
	502 Rm 135 Grab (E1605073-57A)	05/19/16	6:30	X		DW	Y	1	X							
	502 Rm 135 Composite (E1605073-58A)	05/19/16	6:34		X	DW	Y	1	X							

Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	5/19/16	1600			

Received in Lab by:	Date	Time
[illegible]	5-20-16	9:45

Rush Requested: _____ Day(s)
Must be approved by Lab Manager

Notes / Comments:
~~parameters Attached.~~ [illegible] 5/19/16

ALAMO ANALYTICAL LABORATORIES LTD.

CHAIN OF CUSTODY RECORD

COC#: 11187

ACCREDITED IN ACCORDANCE WITH nelac
NELAC Certificate #. T104704367-10-3

Main Office: 10526 Gulfdale
San Antonio, Texas 78216
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2500 Montana
El Paso, TX 79903
915-599-2182

MUST BE COMPLETED BY CLIENT

Alamo's Client: Texas Dept of Aging & Disability Services	Client's P.O. #: 86044 53900-6-00000
Project Manager: James W. Lannon	Phone #: 915 782 6455
Address: 6700 Delta Drive El Paso Tx 79905	Fax #: 915 782 6375
Project Number: EL PASO SSLC	Project Name: Lead/Copper Potable Water Testing
Project Location: 6700 Delta Drive El Paso Tx 79905	Sampler Signature: W. L 5/19/16

Turnaround time: Standard(7)☐ (in working days)
RUSH: 1☐ 2☐ 3-5☒ Days (additional charges)
TRRP 13 Report: Yes☐ No☐ (additional charges)
Analysis for Permit Compliance: Yes☐ No☐
DMR Form Required: Yes ☐ No ☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	Lead	Copper						REMARKS (Preservation, Size/Amount, E
E1605073-01	5/19/16	4:10 Am		X	Water		502 Rm 107 Grab		X	X						
-02	5/19/16	4:14 Am	X		Water		502 Rm 107 Composite		X	X						
-03	5/19/16	4:15 Am		X	Water		502 Rm 108 Grab		X	X						
-04	5/19/16	4:18 Am	X		Water		502 Rm 108 Composite		X	X						
-05	5/19/16	4:20 Am		X	Water		502 Rm 131 Grab		X	X						
-06	5/19/16	4:24 Am	X		Water		502 Rm 131 Composite		X	X						
-07	5/19/16	4:26 Am		X	Water		501 Rm 121L Grab		X	X						
-08	5/19/16	4:28 Am	X		Water		501 Rm 121L Composite		X	X						
-09	5/19/16	4:29 Am		X	Water		501 Rm 124L Grab		X	X						
-10	5/19/16	4:35 Am	X		Water		501 Rm 124L Composite		X	X						

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
W. L 5/19/16	5/19/16	2:07 pm	
	5/19/16	207	

Headspace			If Yes, Amt.
Properly Sealed	—		If No, Explain
Chilled ≤4° C	—		If No, Temp. 3

Comments:
E1605073

Page 1

ALAMO ANALYTICAL LABORATORIES LTD.

CHAIN OF CUSTODY RECORD

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El Paso, TX 79903
915-599-4132

MUST BE COMPLETED BY CLIENT

Alamo's Client: Texas Dept of Aging & Disability Services	Client's P.O. #: 86044 53900-6-00000
Project Manager: James W. Lannon	Phone #: 915 782 6455
Address: 6700 Delta Drive El Paso Tx 79905	Fax #: 915 782 6375
Project Number: EL Paso SSLC Lead/Copper Potable Water Testing	Project Name
Project Location: 6700 Delta Drive El Paso, Tx 79905	Sampler Signature: W. 5/19/16

Turnaround time: Standard(7)☐ (in working days)
RUSH: 1☐ 2☐ 3-5☒ Days (additional charges)
TRRP 13 Report: Yes☐ No☐ (additional charges)
Analysis for Permit Compliance: Yes☐ No☐
DMR Form Required: Yes☐ No☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	ANALYSIS: Lead	ANALYSIS: Copper						REMARKS (Preservation, Size/Amount, E
E1605073 -11	5/19/16	4:36 Am		X	Water		505 Rm 124 L Grab		X	X						
-12	5/19/16	4:39 Am	X		Water		505 Rm 124 L Composite		X	X						
-13	5/19/16	4:40 Am		X	Water		505 Rm 120 L Grab		X	X						
-14	5/19/16	4:44 Am	X		Water		505 Rm 120 L Composite		X	X						
-15	5/19/16	5:05 Pm		X	Water		506 Rm 121 Grab		X	X						
-16	5/19/16	5:08 Am	X		Water		506 Rm 121 Composite		X	X						
-17	5/19/16	5:09 Am		X	Water		506 Rm 109 Grab		X	X						
-18	5/19/16	5:12 Am	X		Water		506 Rm 109 Composite		X	X						
-19	5/19/16	4:48 Pm		X	Water		506 Rm 124 Grab		X	X						
-20	5/19/16	4:52 Pm	X		Water		506 Rm 124 Composite		X	X						

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
W.	5/19/16	2:07 Pm	
	5/19/16	207	

Headspace			If Yes, Amt.
Properly Sealed	–		If No, Explain
Chilled ≤4° C	–		If No, Temp. 3

Comments:

E1605073

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ALAMO ANALYTICAL LABORATORIES LTD.

CHAIN OF CUSTODY RECORD

COC#: 11189

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2500 Montana
El Paso, TX 79903
915-599-2182

MUST BE COMPLETED BY CLIENT

Alamo's Client: Texas Dept of Aging & Disability Services	Client's P.O. #: 86044 53900-6-00000
Project Manager: James W. Lannon	Phone #: 915 782 6455
Address: 6700 Delta Drive El Paso TX 79905	Fax #: 915 782 6375
Project Number: El Paso SSLC	Project Name: Lead/Copper Potable Water Testing
Project Location: 6700 Delta Drive El Paso TX 79905	Sampler Signature: J. W. 5/19/16

Turnaround time: Standard(7)☐ (in working days)

RUSH: 1☐ 2☐ 3-5☒ Days (additional charges)

TRRP 13 Report: Yes☐ No☐ (additional charges)

Analysis for Permit Compliance: Yes☐ No☐

DMR Form Required: Yes☐ No☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	Lead	Copper						REMARKS (Preservation, Size/Amount, E
E1605073 -21	5/19/16	5:10 Am		X	Water		S13 Rm 121 Grab		X	X						
-22	5/19/16	5:14 Am	X		Water		S13 Rm 121 Composite		X	X						
-23	5/19/16	5:14 Am		X	Water		S13 Rm 109 Grab		X	X						
-24	5/19/16	5:18 Am	X		Water		S13 Rm 109 Composite		X	X						
-25	5/19/16	5:01 Am		X	Water		S13 Rm 124 Grab		X	X						
-26	5/19/16	5:04 Am	X		Water		S13 Rm 124 Composite		X	X						
-27	5/19/16	5:21 Am		X	Water		S11 Rm 121 Grab		X	X						
-28	5/19/16	5:25 Am	X		Water		S11 Rm 121 Composite		X	X						
-29	5/19/16	5:23 Am		X	Water		S11 Rm 109 Grab		X	X						
-30	5/19/16	5:27 Am	X		Water		S11 Rm 109 Composite		X	X						

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
J. W.	5/19/16	2:08 pm	
	5/19/16	200	

Headspace			If Yes, Amt.
Properly Sealed	–		If No, Explain
Chilled ≤4° C	–		If No, Temp. 3

Comments:

E1605073

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ALAMO ANALYTICAL LABORATORIES LTD.

CHAIN OF CUSTODY RECORD

COC#: 11190

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Main Office: 10526 Gulfdale
San Antonio, Texas 78216
(210) 340-8121 • Fax (210) 340-8123

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El Paso, TX 79903
915-599-2182

MUST BE COMPLETED BY CLIENT

Alamo's Client: Texas Dept of Aging + Disability Services
Client's P.O. #: 86044 539006-00000
Project Manager: James W. Cannon
Phone #: 915 782 6456
Address: 6700 Delta Drive El Paso Tx 79905
Fax #: 915 782 6375
Project Number: El Paso SSLC Lead / Copper Potable Water Testing
Project Name:
Project Location: 6700 Delta Drive El Paso Tx 79905
Sampler Signature: J. W. 5/19/16

Turnaround time: Standard(7)☐ (in working days)
RUSH: 1☐ 2☐ 3-5☒ Days (additional charges)
TRRP 13 Report: Yes☐ No☐ (additional charges)
Analysis for Permit Compliance: Yes☐ No☐
DMR Form Required: Yes☐ No☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	Lead	Copper						REMARKS (Preservation, Size/Amount, E
E16050 73-31	5/19/16	5:08 AM		X	Water		511 Rm 124 Grab		X	X						
-32	5/19/16	5:12 AM	X		Water		511 Rm 124 ~~Grab~~ Composite		X	X						
-33	5/19/16	5:30 AM		X	Water		502 Rm 142 Grab		X	X						
-34	5/19/16	5:33 AM	X		Water		502 Rm 142 Composite		X	X						
-35	5/19/16	5:31 AM		X	Water		502 Rm 143 Grab		X	X						
-36	5/19/16	5:35 AM	X		Water		502 Rm 143 Composite		X	X						
-37	5/19/16	5:38 AM		X	Water		516 Rm 107 Grab		X	X						
-38	5/19/16	5:42 AM	X		Water		516 Rm 107 Composite		X	X						
-39	5/19/16	5:40 AM		X	Water		516 Rm 108 Grab		X	X						
-40	5/19/16	5:44 AM	X		Water		516 Rm 108 Composite		X	X						

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
J. W.	5/19/16	2:08 pm	
	5/19/16	208	

Headspace			If Yes, Amt.
Properly Sealed	–		If No, Explain
Chilled ≤4° C	–		If No, Temp. 3

Comments:

E 1605073

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ALAMO ANALYTICAL LABORATORIES LTD.

CHAIN OF CUSTODY RECORD

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El Paso, TX 79903
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MUST BE COMPLETED BY CLIENT

Alamo's Client: Texas Dept of Aging & Disability Services	Client's P.O. #: 86044 53900-6-00000
Project Manager: James W. Lannon	Phone #: 915 782 6455
Address: 6700 Delta Drive El Paso TX 79905	Fax #: 915 782 6375
Project Number: El Paso SSLC Lead/Copper	Project Name: Potable Water Testing
Project Location: 6700 Delta Drive El Paso TX 79905	Sampler Signature: J. W. L 5/19/16

Turnaround time: Standard(7)☐ (in working days)
RUSH: 1☐ 2☐ 3-5☐ Days (additional charges)
TRRP 13 Report: Yes☐ No☐ (additional charges)
Analysis for Permit Compliance: Yes☐ No☐
DMR Form Required: Yes☐ No☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	Lead	Copper						REMARKS (Preservation, Size/Amount, E
E1605073-41	5/19/16	5:45 am		X	Water		516 Rm 103 Grab		X	X						
-42	5/19/16	5:49 am	X		Water		516 Rm 103 Composite		X	X						
-43	5/19/16	5:55 am		X	Water		515 Rm 150 Grab		X	X						
-44	5/19/16	5:59 am	X		Water		515 Rm 150 Composite		X	X						
-45	5/19/16	5:56 am		X	Water		515 Rm 149 Grab		X	X						
-46	5/19/16	6:00 am	X		Water		515 Rm 149 Composite		X	X						
-47	5/19/16	6:02 am		X	Water		515 Rm 153 Grab		X	X						
-48	5/19/16	6:05 am	X		Water		515 Rm 153 Composite		X	X						
-49	5/19/16	6:08 am		X	Water		515 Rm 104 Grab		X	X						
-50	5/19/16	6:12 am	X		Water		515 Rm 104 Composite		X	X						

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
J. W. L	5/19/16	2:08 pm	
	5/19/16	2:08	

Headspace			If Yes, Amt.
Properly Sealed	-		If No, Explain
Chilled ≤4° C	✓		If No, Temp. 3

Comments:

E1605073

Page 59

ALAMO ANALYTICAL LABORATORIES LTD.

CHAIN OF CUSTODY RECORD

COC#: 11192

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2500 Montana
El Paso, TX 79903
915-599-2182

MUST BE COMPLETED BY CLIENT

Alamo's Client: Texas Dep Of Aging & Disability Services	Client's P.O. # 53900 6-00000 86044
Project Manager: James W. Lannon	Phone #: 915 782 6455
Address: 6700 Delta Drive El Paso Tx 79905	Fax #: 915 782 6375
Project Number: El Paso SSLC Lead/Copper	Project Name: Potable Water Testing
Project Location: 6700 Delta Drive El Paso Tx 79905	Sampler Signature: J. W. R 5/19/16

Turnaround time: Standard(7)☐ (in working days)
RUSH: 1☐ 2☐ 3-5■ Days (additional charges)
TRRP 13 Report: Yes☐ No☐ (additional charges)
Analysis for Permit Compliance: Yes☐ No☐
DMR Form Required: Yes☐ No☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	ANALYSIS Lead	ANALYSIS Copper						REMARKS (Preservation, Size/Amount, E
E1605073-51	5/19/16	6:15 Am			Water		515 Rm 112 Grab		X	X						
-52	5/19/16	6:18 Am			Water		515 Rm 112 Composite		X	X						
-53	5/19/16	6:17 Am			Water		515 Rm 148 Grab		X	X						
-54	5/19/16	6:20 Am			Water		515 Rm 148 Composite		X	X						
-55	5/19/16	6:25 Am			Water	502	~~515~~ Rm 136 Grab		X	X						
-56	5/19/16	6:29 Am			Water	502	~~515~~ Rm 136 Composite		X	X						
-57	5/19/16	6:30 Am			Water	502	~~515~~ Rm 135 Grab		X	X						
-58	5/19/16	6:34 Am			Water	502	~~502~~ Rm 135 Composite		X	X						

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
J. W. R	5/19/16	2:09 Pm	
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
	5/19/16	209	
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)

Headspace			If Yes, Amt.
Properly Sealed	–		If No, Explain
Chilled ≤4° C	–		If No, Temp. 3

Comments:

E1605073

Page 6

ALAMO ANALYTICAL LABORATORIES, LTD.

526 Gulfdale
n Antonio, TX – 78216;
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2500 Montana Ave.
El Paso, TX – 79903
Ph. (915) 599-2182

www.alamoanalytical.com; (800) 572-6955

Sample Log-In Checklist

ATE: 05 / 19 / 2016 TIME: 242 pm INITIALS: EG

LIENT: Texas Department of Aging & Disability Services PROJECT: W.O# E1605073

Is a Chain of Custody present? (Yes) No

Is a Chain of Custody properly completed? (Yes) No

Are custody seals present? Yes (No)
If yes, are they intact? Yes (No)
Are they on: Sample _____ or on Shipping Container _____

Are all samples tagged or labeled? (Yes) No
If yes, do the labels match the Chain of Custody? (Yes) No

Do all shipping documents agree (i.e., number of coolers arrived vs. on tickets)
If not, describe below. Yes No (N/A)

Are samples preserved properly? *If not*, describe below. (Yes) No

Are all samples within holding times on arrival? (Yes) No
If not, describe below.

Other

Condition of shipping container: Intact ✓ or _____

Condition of samples: Intact ✓ or _____

Temperature of samples: 3

Delivery agent: Client ✓ UPS ____ Fed-Ex ____ Lone Star ____ Alamo P/U ____ Other _____

Sample disposal: Return to client _____ Alamo Analytical Disposal ✓

mments: (Reference checklist item number from above, or for comments on resolution below):

Rush
sub - Summit COPPER LEAD

Record of contacting client for resolution of sample discrepancies (first and retry contact)
Contacted How?

ne: _____ Phone ___ Fax ___ Date: ____/____/____ Time: _____
ne: Phone ___ Fax ___ Date: ____/____/____ Time: _____

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REPORT NARRATIVE 5/27/2016

James Lannon
Dept of Aging & Disability Service
6700 Delta Drive
El Paso , Texas - 79905
TEL: (915) 782-6455 Email: james.lannon@dads.state.tx.us
FAX: (915) 782-6375

RE: El Paso SSLC Lead/Copper Potable Water Testing

Dear James Lannon: Order No. E1605076

Enclosed please find the analytical report for the sample/s received on 5/20/2016.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the Sample Acceptance Policy unless otherwise noted in the report.
DATA: Sample were prepared, analyzed and reported using the methods outlined in the following references: Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition
QA/QC: All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives, except as noted in the report with data qualifiers.

SUBCONTRACTED: Analyses were subcontracted.

COMMENTS: No significant observations were made.

Sincerely,

Niveditha Nanda
Technical Manager
Alamo Analytical Laboratories, LTD

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client.
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SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

Summit Environmental Technologies, In
3310 Win S
Cuyahoga Falls, Ohio 442
TEL: (330) 253-8211 FAX: (330) 253-448
Website: http://www.settek.co

Qualifiers and Acronyms

WO#: 16051426
Date: 5/27/2016

These commonly used Qualifiers and Acronyms may or may not be present in this repor

Qualifiers

U	The compound was analyzed for but was not detected.
J	The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
H	The hold time for sample preparation and/or analysis was exceeded.
D	The result is reported from a dilution.
E	The result exceeded the linear range of the calibration or is estimated due to interference.
MC	The result is below the Minimum Compound Limit.
*	The result exceeds the Regulatory Limit or Maximum Contamination Limit.
m	Manual integration was used to determine the area response.
N	The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
P	The second column confirmation exceeded 25% difference.
C	The result has been confirmed by GC/MS.
X	The result was not confirmed when GC/MS Analysis was performed.
B/MB+	The analyte was detected in the associated blank.
G	The ICB or CCB contained reportable amounts of analyte.
QC-/+	The CCV recovery failed low (-) or high (+).
R/QDR	The RPD was outside of accepted recovery limits.
QL-/+	The LCS or LCSD recovery failed low (-) or high (+).
QLR	The LCS/LCSD RPD was outside of accepted recovery limits.
QM-/+	The MS or MSD recovery failed low (-) or high (+).
QMR	The MS/MSD RPD was outside of accepted recovery limits.
QV-/+	The ICV recovery failed low (-) or high (+).
S	The spike result was outside of accepted recovery limits.
Z	Deviation; A deviation from the method was performed; Please refer to the Case Narrative for additional information

Acronyms

ND	Not Detected	**RL**	Reporting Limit
QC	Quality Control	**MDL**	Method Detection Limit
MB	Method Blank	**LOD**	Level of Detection
LCS	Laboratory Control Sample	**LOQ**	Level of Quantitation
LCSD	Laboratory Control Sample Duplicate	**PQL**	Practical Quantitation Limit
QCS	Quality Control Sample	**CRQL**	Contract Required Quantitation Limit
DUP	Duplicate	**PL**	Permit Limit
MS	Matrix Spike	**RegLvl**	Regulatory Limit
MSD	Matrix Spike Duplicate	**MCL**	Maximum Contamination Limit
RPD	Relative Percent Different	**MinCL**	Minimum Compound Limit
ICV	Initial Calibration Verification	**RA**	Reanalysis
ICB	Initial Calibration Blank	**RE**	Reextraction
CCV	Continuing Calibration Verification	**TIC**	Tentatively Identified Compound
CCB	Continuing Calibration Blank	**RT**	Retention Time
RLC	Reporting Limit Check	**CF**	Calibration Factor
DF	Dilution Factor	**RF**	Response Factor

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: http://www.settek.com

WO#: **16051426**
Date Reported: **5/27/2016**
Company: Alamo Analytical Laboratories, Ltd
Address: 10526 Gulfdale
San Antonio TX 78216
Received: 5/21/2016
Project#: E 1605076

Client ID#	Lab#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Analyst
E 1605076-01	001	5/20/2016	Copper	1.21	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E 1605076-01	001	5/20/2016	Lead	0.0419	mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW
E 1605076-02	002	5/20/2016	Copper	0.0743	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/26/2016	CM
E 1605076-02	002	5/20/2016	Lead	ND	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/26/2016	CM
E 1605076-03	003	5/20/2016	Copper	0.421	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E 1605076-03	003	5/20/2016	Lead	0.00620	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW
E 1605076-04	004	5/20/2016	Copper	0.628	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/26/2016	CM
E 1605076-04	004	5/20/2016	Lead	0.00203	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW
E 1605076-05	005	5/20/2016	Copper	5.15	mg/L	*	Drinking Water	EPA 200.8	100	0.0511	0.100	5/27/2016	MFW
E 1605076-05	005	5/20/2016	Lead	0.491	mg/L	*QM+QMR	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/26/2016	CM
E 1605076-06	006	5/20/2016	Copper	0.256	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E 1605076-06	006	5/20/2016	Lead	0.00542	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW
E 1605076-07	007	5/20/2016	Copper	0.779	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E 1605076-07	007	5/20/2016	Lead	0.115	mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW
E 1605076-08	008	5/20/2016	Copper	0.537	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/26/2016	CM
E 1605076-08	008	5/20/2016	Lead	0.00762	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/26/2016	CM
E 1605076-09	009	5/20/2016	Copper	1.33	mg/L	*	Drinking Water	EPA 200.8	100	0.0511	0.100	5/27/2016	MFW
E 1605076-09	009	5/20/2016	Lead	0.0501	mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/26/2016	CM
E 1605076-010	010	5/20/2016	Copper	0.828	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E 1605076-010	010	5/20/2016	Lead	0.0135	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW
E 1605076-011	011	5/20/2016	Copper	2.25	mg/L	*	Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E 1605076-011	011	5/20/2016	Lead	0.622	mg/L	*	Drinking Water	EPA 200.8	10	0.000434	0.0100	5/25/2016	MFW
E 1605076-012	012	5/20/2016	Copper	0.695	mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/26/2016	CM
E 1605076-012	012	5/20/2016	Lead	0.00276	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW

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WO#: **16051426**
Date Reported: **5/27/2016**
Company: Alamo Analytical Laboratories, Ltd
Address: 10526 Gulfdale
San Antonio TX 78216
Received: 5/21/2016
Project#: E 1605076

Client ID#	Lab#	Collected	Analyte	Result Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Analyst
E 1605076-013	013	5/20/2016	Copper	0.590 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/26/2016	CM
E 1605076-013	013	5/20/2016	Lead	0.0117 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW
E 1605076-014	014	5/20/2016	Copper	0.428 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E 1605076-014	014	5/20/2016	Lead	0.00286 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW
E 1605076-015	015	5/20/2016	Copper	0.859 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E 1605076-015	015	5/20/2016	Lead	0.0155 mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW
E 1605076-016	016	5/20/2016	Copper	0.443 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E 1605076-016	016	5/20/2016	Lead	0.00367 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW
E 1605076-017	017	5/20/2016	Copper	3.16 mg/L	*	Drinking Water	EPA 200.8	100	0.0511	0.100	5/25/2016	MFW
E 1605076-017	017	5/20/2016	Lead	1.72 mg/L	*	Drinking Water	EPA 200.8	100	0.00434	0.100	5/25/2016	MFW
E 1605076-018	018	5/20/2016	Copper	0.355 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E 1605076-018	018	5/20/2016	Lead	0.0124 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW
E 1605076-019	019	5/20/2016	Copper	0.399 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E 1605076-019	019	5/20/2016	Lead	0.0137 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW
E 1605076-020	020	5/20/2016	Copper	0.150 mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E 1605076-020	020	5/20/2016	Lead	ND mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW
E 1605076-021	021	5/20/2016	Copper	1.50 mg/L	*	Drinking Water	EPA 200.8	100	0.0511	0.100	5/27/2016	MFW
E 1605076-021	021	5/20/2016	Lead	0.224 mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/26/2016	CM
E 1605076-022	022	5/20/2016	Copper	0.714 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/26/2016	CM
E 1605076-022	022	5/20/2016	Lead	0.00819 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW
E 1605076-023	023	5/20/2016	Copper	1.30 mg/L	*	Drinking Water	EPA 200.8	100	0.0511	0.100	5/27/2016	MFW
E 1605076-023	023	5/20/2016	Lead	0.138 mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/26/2016	CM
E 1605076-024	024	5/20/2016	Copper	0.605 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/26/2016	CM
E 1605076-024	024	5/20/2016	Lead	0.00563 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW

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WO#: **16051426**
Date Reported: **5/27/2016**
Company: Alamo Analytical Laboratories, Ltd
Address: 10526 Gulfdale
San Antonio TX 78216
Received: 5/21/2016
Project#: E 1605076

Client ID#	Lab#	Collected	Analyte	Result Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Analyst
E 1605076-025	025	5/20/2016	Copper	0.679 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/26/2016	CM
E 1605076-025	025	5/20/2016	Lead	0.0705 mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW
E 1605076-026	026	5/20/2016	Copper	0.840 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E 1605076-026	026	5/20/2016	Lead	0.00263 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW
E 1605076-027	027	5/20/2016	Copper	5.99 mg/L	*	Drinking Water	EPA 200.8	100	0.0511	0.100	5/27/2016	MFW
E 1605076-027	027	5/20/2016	Lead	1.96 mg/L	*	Drinking Water	EPA 200.8	100	0.00434	0.100	5/27/2016	MFW
E 1605076-028	028	5/20/2016	Copper	0.406 mg/L	QL-	Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E 1605076-028	028	5/20/2016	Lead	0.00377 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW
E 1605076-029	029	5/20/2016	Copper	2.58 mg/L	*QL-	Drinking Water	EPA 200.8	100	0.0511	0.100	5/25/2016	MFW
E 1605076-029	029	5/20/2016	Lead	0.0136 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW
E 1605076-030	030	5/20/2016	Copper	0.714 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/26/2016	CM
E 1605076-030	030	5/20/2016	Lead	0.00665 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW
E 1605076-031	031	5/20/2016	Copper	2.85 mg/L	*QL-	Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E 1605076-031	031	5/20/2016	Lead	0.00549 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW
E 1605076-032	032	5/20/2016	Copper	1.01 mg/L	QL-	Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E 1605076-032	032	5/20/2016	Lead	0.00173 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW
E 1605076-033	033	5/20/2016	Copper	2.36 mg/L	*QL-	Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E 1605076-033	033	5/20/2016	Lead	0.00531 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW
E 1605076-034	034	5/20/2016	Copper	0.570 mg/L		Drinking Water	EPA 200.8	10	0.00511	0.0100	5/26/2016	CM
E 1605076-034	034	5/20/2016	Lead	0.00126 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW
E 1605076-035	035	5/20/2016	Copper	1.22 mg/L	QL-	Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E 1605076-035	035	5/20/2016	Lead	0.00574 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW
E 1605076-036	036	5/20/2016	Copper	0.286 mg/L	QL-	Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E 1605076-036	036	5/20/2016	Lead	0.00219 mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW

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WO#: **16051426**
Date Reported: **5/27/2016**
Company: Alamo Analytical Laboratories, Ltd
Address: 10526 Gulfdale
San Antonio TX 78216
Received: 5/21/2016
Project#: E 1605076

Client ID#	Lab#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	LOD	LOQ	Run	Analyst
E 1605076-037	037	5/20/2016	Copper	0.00750	mg/L		Drinking Water	EPA 200.8	1	0.000511	0.00100	5/26/2016	CM
E 1605076-037	037	5/20/2016	Lead	0.00106	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/26/2016	CM
E 1605076-038	038	5/20/2016	Copper	0.878	mg/L	QL-	Drinking Water	EPA 200.8	10	0.00511	0.0100	5/25/2016	MFW
E 1605076-038	038	5/20/2016	Lead	0.0160	mg/L	*	Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW
E 1605076-039	039	5/20/2016	Copper	0.274	mg/L	QL-	Drinking Water	EPA 200.8	1	0.000511	0.00100	5/25/2016	MFW
E 1605076-039	039	5/20/2016	Lead	0.00363	mg/L		Drinking Water	EPA 200.8	1	0.0000434	0.00100	5/25/2016	MFW

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QC SUMMARY REPORT

WO#: **16051426**
27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E 1605076
BatchID: **20696**

Sample ID: **MB-20696** SampType: **MBLK** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **PBW** Batch ID: **20696** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863175**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.00100									

Sample ID: **LCS-20696** SampType: **LCS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **LCSW** Batch ID: **20696** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863176**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0502	0.00100	0.0500	0	100	85	115				

Sample ID: **16051426-001ADUP** SampType: **DUP** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **E 1605076-01** Batch ID: **20696** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863178**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0428	0.00100						0.0419	2.05	20	*

Sample ID: **16051426-001AMS** SampType: **MS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **E 1605076-01** Batch ID: **20696** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863179**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0947	0.00100	0.0500	0.0419	106	70	130				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	I	Analyte detected below quantitation limits	M	Manual Integration used to determine a
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **16051426**
27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E 1605076
BatchID: **20696**

Sample ID: **16051426-001AMS** SampType: **MS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **E 1605076-01** Batch ID: **20696** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863179**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **16051426-001AMSD** SampType: **MSD** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **E 1605076-01** Batch ID: **20696** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863180**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0970	0.00100	0.0500	0.0419	110	70	130	0.0947	2.44	20	

Sample ID: **16051426-014ADUP** SampType: **DUP** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **E 1605076-014** Batch ID: **20696** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863190**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00286	0.00100						0.00286	0	20	

Sample ID: **16051426-014AMS** SampType: **MS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **E 1605076-014** Batch ID: **20696** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863191**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0558	0.00100	0.0500	0.00286	106	70	130				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	I	Analyte detected below quantitation limits	M	Manual Integration used to determine a
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **16051426**
27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E 1605076
BatchID: **20696**

Sample ID: **16051426-014AMSD** SampType: **MSD** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **E 1605076-014** Batch ID: **20696** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863192**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0566	0.00100	0.0500	0.00286	107	70	130	0.0558	1.33	20	

Sample ID: **MB-20696** SampType: **MBLK** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **PBW** Batch ID: **20696** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863739**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.00100									

Sample ID: **LCS-20696** SampType: **LCS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **LCSW** Batch ID: **20696** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863740**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0500	0.00100	0.0500	0	100	85	115				

Sample ID: **16051426-001ADUP** SampType: **DUP** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **E 1605076-01** Batch ID: **20696** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863742**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	1.21	0.0100						1.21	0.0248	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	I	Analyte detected below quantitation limits	M	Manual Integration used to determine a
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **16051426**
27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E 1605076
BatchID: **20696**

Sample ID: **16051426-001ADUP** SampType: **DUP** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **E 1605076-01** Batch ID: **20696** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863742**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **16051426-014ADUP** SampType: **DUP** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **E 1605076-014** Batch ID: **20696** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863754**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.436	0.00100						0.428	1.75	20	

Sample ID: **16051426-014AMS** SampType: **MS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **E 1605076-014** Batch ID: **20696** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863755**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.492	0.00100	0.0500	0.428	128	70	130				

Sample ID: **16051426-014AMSD** SampType: **MSD** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **E 1605076-014** Batch ID: **20696** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863756**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.487	0.00100	0.0500	0.428	118	70	130	0.492	1.02	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	I	Analyte detected below quantitation limits	M	Manual Integration used to determine a
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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Website: http://www.settek.com

QC SUMMARY REPORT

WO#: **16051426**
27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E 1605076
BatchID: **20702**

Sample ID: **MB-20702** SampType: **MBLK** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **PBW** Batch ID: **20702** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863295**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.00100									

Sample ID: **LCS-20702** SampType: **LCS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **LCSW** Batch ID: **20702** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863296**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0482	0.00100	0.0500	0	96.3	85	115				

Sample ID: **16051426-028ADUP** SampType: **DUP** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **E 1605076-028** Batch ID: **20702** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863298**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.00369	0.00100						0.00377	2.14	20	

Sample ID: **16051426-028AMS** SampType: **MS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **E 1605076-028** Batch ID: **20702** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863299**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0541	0.00100	0.0500	0.00377	101	70	130				

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	I	Analyte detected below quantitation limits	M	Manual Integration used to determine a
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **16051426**
27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E 1605076
BatchID: **20702**

Sample ID: **16051426-028AMS** SampType: **MS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **E 1605076-028** Batch ID: **20702** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863299**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **16051426-028AMSD** SampType: **MSD** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **E 1605076-028** Batch ID: **20702** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863300**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0542	0.00100	0.0500	0.00377	101	70	130	0.0541	0.0554	20	

Sample ID: **16051426-038ADUP** SampType: **DUP** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **E 1605076-038** Batch ID: **20702** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863310**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0158	0.00100						0.0160	1.13	20	*

Sample ID: **16051426-038AMS** SampType: **MS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **E 1605076-038** Batch ID: **20702** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863311**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0682	0.00100	0.0500	0.0160	104	70	130				

Qualifiers:

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H	Holding times for preparation or analysis exceeded	I	Analyte detected below quantitation limits	M	Manual Integration used to determine a
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: **16051426**
27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E 1605076
BatchID: **20702**

Sample ID: **16051426-038AMSD** SampType: **MSD** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **E 1605076-038** Batch ID: **20702** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863312**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.0670	0.00100	0.0500	0.0160	102	70	130	0.0682	1.79	20	

Sample ID: **MB-20702** SampType: **MBLK** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **PBW** Batch ID: **20702** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863844**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.00100									

Sample ID: **LCS-20702** SampType: **LCS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **LCSW** Batch ID: **20702** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863845**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0492	0.00100	0.0500	0	98.5	85	115				

Sample ID: **16051426-028ADUP** SampType: **DUP** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **E 1605076-028** Batch ID: **20702** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863847**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.403	0.00100						0.406	0.731	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	I	Analyte detected below quantitation limits	M	Manual Integration used to determine a
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
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QC SUMMARY REPORT

WO#: **16051426**
27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E 1605076
BatchID: **20702**

Sample ID: **16051426-028ADUP** SampType: **DUP** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **E 1605076-028** Batch ID: **20702** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863847**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **16051426-028AMS** SampType: **MS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **E 1605076-028** Batch ID: **20702** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863848**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.464	0.00100	0.0500	0.406	114	70	130				

Sample ID: **16051426-028AMSD** SampType: **MSD** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **E 1605076-028** Batch ID: **20702** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863849**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.467	0.00100	0.0500	0.406	121	70	130	0.464	0.666	20	

Sample ID: **16051426-038ADUP** SampType: **DUP** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/23/2016** RunNo: **54195**
Client ID: **E 1605076-038** Batch ID: **20702** TestNo: **E200.8** **E200.2** Analysis Date: **5/25/2016** SeqNo: **863859**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.897	0.0100						0.878	2.12	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
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QC SUMMARY REPORT

WO#: **16051426**

27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E 1605076

BatchID: **20711**

Sample ID: **LCS-20711** SampType: **LCS** TestCode: **Mtl-ICPMS_N** Units: **mg/L** Prep Date: **5/24/2016** RunNo: **54329**
Client ID: **LCSW** Batch ID: **20711** TestNo: **E200.8** **E200.2** Analysis Date: **5/26/2016** SeqNo: **865400**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0516	0.00100	0.0500	0	103	85	115				
Lead	0.0510	0.00100	0.0500	0	102	85	115				

Sample ID: **MB-20711** SampType: **MBLK** TestCode: **Mtl-ICPMS_N** Units: **mg/L** Prep Date: **5/24/2016** RunNo: **54329**
Client ID: **PBW** Batch ID: **20711** TestNo: **E200.8** **E200.2** Analysis Date: **5/26/2016** SeqNo: **865401**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.00100									
Lead	ND	0.00100									

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	I	Analyte detected below quantitation limits	M	Manual Integration used to determine a
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QC SUMMARY REPORT

WO#: **16051426**
27-May-16

Client: Alamo Analytical Laboratories, Ltd
Project: E 1605076
BatchID: **20711**

Sample ID: **16051426-002ADUP** SampType: **DUP** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/24/2016** RunNo: **54329**
Client ID: **E 1605076-02** Batch ID: **20711** TestNo: **E200.8** **E200.2** Analysis Date: **5/26/2016** SeqNo: **865403**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0752	0.00100						0	200	20	R
Lead	ND	0.00100						0	0	20	R

Sample ID: **16051426-005AMS** SampType: **MS** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/24/2016** RunNo: **54329**
Client ID: **E 1605076-05** Batch ID: **20711** TestNo: **E200.8** **E200.2** Analysis Date: **5/26/2016** SeqNo: **865772**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.543	0.00100	0.0500	0.491	104	70	130				QMR

Sample ID: **16051426-005AMSD** SampType: **MSD** TestCode: **Mtl-ICPMS_D** Units: **mg/L** Prep Date: **5/24/2016** RunNo: **54329**
Client ID: **E 1605076-05** Batch ID: **20711** TestNo: **E200.8** **E200.2** Analysis Date: **5/26/2016** SeqNo: **865773**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	0.557	0.00100	0.0500	0.491	131	70	130	0.543	2.54	20	S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	I	Analyte detected below quantitation limits	M	Manual Integration used to determine a
MC	Value is below Minimum Compound Limit.	ND	Not Detected at the Reporting Limit	O	RSD is greater than RSDlimit
P	Second column confirmation exceeds	PL	Permit Limit	R	RPD outside accepted recovery limits

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Analysis Request / Chain of Custody

For Summit Environmental Technologies, Inc. use only

Page of SET No.

Client Name: Alamo Analytical Labs	Project Identification
Client Address: 10526 Gulfdale, San Antonio, TX-78216	Project Address: Drinking Water
Client Phone: (210) 340-8121	Report To: Dr. Reddy Gosala
Client Fax No.: (210) 340-8123 ☐ √ to Receive Results by Fax	PO Number
Contact Person: Dr. Reddy Gosala	Quote Number
Sampled By	☐ √ if Ohio VAP Samples

#	Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: S=Solid, L=Liquid, O=Oil SL=Sludge, A=Air	Preservative	Number of Containers	Analytical Parameters and Methods: Copper and Lead (200.8)							
	508 Rm 124 Grab (E1605076-01A)	05/20/16	4:20	X		DW	Y	1	X							
	508 Rm 124 Composite (E1605076-02A)	05/20/16	4:24		X	DW	Y	1	X							
	508 Rm 109 Grab (E1605076-03A)	05/20/16	5:10	X		DW	Y	1	X							
	508 Rm 109 Composite (E1605076-04A)	05/20/16	5:14		X	DW	Y	1	X							
	508 Rm 128 Grab (E1605076-05A)	05/20/16	5:05	X		DW	Y	1	X							
	508 Rm 128 Composite (E1605076-06A)	05/20/16	5:08		X	DW	Y	1	X							
	508 Rm 134 Grab (E1605076-07A)	05/20/16	5:00	X		DW	Y	1	X							
	508 Rm 134 Composite (E1605076-08A)	05/20/16	5:04		X	DW	Y	1	X							
	508 Rm 121L Grab (E1605076-09A)	05/20/16	4:50	X		DW	Y	1	X							
	508 Rm 121L Composite (E1605076-10A)	05/20/16	4:54		X	DW	Y	1	X							
	508 Rm 121R Grab (E1605076-11A)	05/20/16	4:55	X		DW	Y	1	X							
	508 Rm 121R Composite (E1605076-12A)	05/20/16	4:59		X	DW	Y	1	X							
	507 Rm 109 Grab (E1605076-13A)	05/20/16	5:22	X		DW	Y	1	X							

1605 4260
001-0395

Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	5/20/16	1436			

Received in Lab by:	Date	Time
[illegible]	5-21-16	1100

Rush Requested: _____ Day(s)
Must be approved by Lab Manager

Notes / Comments:
Need Results by 5/26/2016

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Cuyahoga Falls, Ohio 44223
800-278-0140

Analysis Request / Chain of Custody

For Summit Environmental Technologies, Inc. use only

Page of SET No.

Client Name: Alamo Analytical Labs	Project Identification:
Client Address: 10526 Gulfdale, San Antonio, TX-78216	Project Address: Drinking Water
Client Phone: (210) 340-8121	Report To: Dr. Reddy Gosala
Client Fax No.: (210) 340-8123 — √ to Receive Results by Fax ☐	PO Number:
Contact Person: Dr. Reddy Gosala	Quote Number:
Sampled By:	☐ √ if Ohio VAP Samples

#	Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: S=Solid, L=Liquid, O=Oil SL=Sludge, A=Air	Preservative	Number of Containers	Analytical Parameters and Methods: Copper and Lead (200.8)							
	507 Rm 109 Composite (E1605076-14A)	05/20/16	5:26		X	DW	Y	1	X							
	507 Rm 124 Grab (E1605076-15A)	05/20/16	4:26	X		DW	Y	1	X							
	507 Rm 124 Composite (E1605076-16A)	05/20/16	4:30		X	DW	Y	1	X							
	507 Rm 128 Grab (E1605076-17A)	05/20/16	5:45	X		DW	Y	1	X							
	507 Rm 128 Composite (E1605076-18A)	05/20/16	5:50		X	DW	Y	1	X							
	507 Rm 134 Grab (E1605076-19A)	05/20/16	5:40	X		DW	Y	1	X							
	507 Rm 134 Composite (E1605076-20A)	05/20/16	5:44		X	DW	Y	1	X							
	507 Rm 121L Grab (E1605076-21A)	05/20/16	5:28	X		DW	Y	1	X							
	507 Rm 121L Composite (E1605076-22A)	05/20/16	5:32		X	DW	Y	1	X							
	507 Rm 121R Grab (E1605076-23A)	05/20/16	5:33	X		DW	Y	1	X							
	507 Rm 121R Composite (E1605076-24A)	05/20/16	5:37		X	DW	Y	1	X							
	510 Rm 124 Grab (E1605076-25A)	05/20/16	4:33	X		DW	Y	1	X							
	510 Rm 124 Composite (E1605076-26A)	05/20/16	4:38		X	DW	Y	1	X							

1605076-
001 of 35

Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	5/20/16	1430			

Received in Lab by:	Date	Time
[illegible]		

Rush Requested: _____ Day(s)
Must be approved by Lab Manager

Notes / Comments:
Need Results by 5/26/2016

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ENVIRONMENTAL TECHNOLOGIES, INC.
3310 Win Street
Cuyahoga Falls, Ohio 44223
800-278-0140

Analysis Request / Chain of Custody

For Summit Environmental Technologies, Inc. use only

Page of SET No.

Client Name: Alamo Analytical Labs	Project Identification:
Client Address: 10526 Gulfdale, San Antonio, TX-78216	Project Address: Drinking Water
Client Phone: (210) 340-8121	Report To: Dr. Reddy Gosala
Client Fax No.: (210) 340-8123 ☐ √ to Receive Results by Fax	PO Number:
Contact Person: Dr. Reddy Gosala	Quote Number:
Sampled By:	☐ √ if Ohio VAP Samples

#	Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: S=Solid, L=Liquid, O=Oil SL=Sludge, A=Air	Preservative	Number of Containers	Analytical Parameters and Methods: Copper and Lead (200.8)							
	510 Rm 109 Grab (E1605076-27A)	05/20/16	6:16	X		DW	Y	1	X							
	510 Rm 109 Composite (E1605076-28A)	05/20/16	6:19		X	DW	Y	1	X							
	510 Rm 128 Grab (E1605076-29A)	05/20/16	6:10	X		DW	Y	1	X							
	510 Rm 128 Composite (E1605076-30A)	05/20/16	6:14		X	DW	Y	1	X							
	510 Rm 134 Grab (E1605076-31A)	05/20/16	6:05	X		DW	Y	1	X							
	510 Rm 134 Composite (E1605076-32A)	05/20/16	6:09		X	DW	Y	1	X							
	510 Rm 121R Grab (E1605076-33A)	05/20/16	5:55	X		DW	Y	1	X							
	510 Rm 121R Composite (E1605076-34A)	05/20/16	5:58		X	DW	Y	1	X							
	510 Rm 121L Grab (E1605076-35A)	05/20/16	6:00	X		DW	Y	1	X							
	510 Rm 121L Composite (E1605076-36A)	05/20/16	6:04		X	DW	Y	1	X							
	Hydrant N West Composite (E1605076-37A)	05/20/16	6:40		X	DW	Y	1	X							
	505 Rm 104 Grab (E1605076-38A)	05/20/16	9:10	X		DW	Y	1	X							
	505 Rm 104 Composite (E1605076-39A)	05/20/16	9:15		X	DW	Y	1	X							

16005426
001-0392

Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	5/20/16	1430			

Received in Lab by:	Date	Time
[illegible]		

Rush Requested: _____ **Day(s)**
Must be approved by Lab Manager

Notes / Comments:
Need Results by 5/26/2016

ALAMO ANALYTICAL LABORATORIES LTD.

CHAIN OF CUSTODY RECORD

COC#: 11084

ACCREDITED IN ACCORDANCE WITH nelac
NELAC Certificate #. T104704367-10-3

Main Office: 10526 Gulfdale
San Antonio, Texas 78216
(210) 340-8121 • Fax (210) 340-8

2500 Montana
El Paso, TX 79903
915-599-2182

MUST BE COMPLETED BY CLIENT

Alamo's Client: Texas Dept of Aging & Disability Services	Client's P.O. #: 86044 S3900-600000
Project Manager: James W. Lanham	Phone #: 915 782 6455
Address: 6700 Delta Drive El Paso TX 79905	Fax #: 915 782 6375
Project Number: El Paso SSLC Lead/Copper	Project Name: Potable Water Testing
Project Location: 6700 Delta Drive El Paso TX 79905	Sampler Signature: W. 5/20/16

Turnaround time: Standard(7)☐ (in working days)

RUSH: 1☐ 2☐ 3-5■ Days (additional charges)

TRRP 13 Report: Yes☐ No☐ (additional charges)

Analysis for Permit Compliance: Yes☐ No☐

DMR Form Required: Yes☐ No☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	Lead	Copper						REMARI (Preservation, Size/A
El 605076-01	5/20/16	4:20 Am		X	Water		508 Rm 124 Grab		X	X						
-02	5/20/16	4:24 Am	X		Water		508 Rm 124 Composite		X	X						
-03	5/20/16	5:10 Am		X	Water		508 Rm 109 Grab		X	✓						
-04	5/20/16	5:14 Am	X		Water		508 Rm 109 Composite		X	X						
-05	5/20/16	5:05 Am		X	Water		508 Rm 128 Grab		X	X						
-06	5/20/16	5:08 Am	X		Water		508 Rm 128 Composite		X	X						
-07	5/20/16	5:00 Am		X	Water		508 Rm 134 Grab		X	X						
-08	5/20/16	5:04 Am	X		Water		508 Rm 134 Composite		X	X						
-09	5/20/16	4:50 Am		X	Water		508 Rm 121L Grab		X	X						
-10	5/20/16	4:54 Am	X		Water		508 Rm 121L Composite		X	X						

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
W.	5/20/16	12:04 Pm	
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
	5/20/16	1205	
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)

Headspace			If Yes, Amt.
Properly Sealed	✓		If No, Explain
Chilled ≤4° C		✓	If No, Temp.

Comments:

1 of 4

ALAMO ANALYTICAL LABORATORIES LTD.

CHAIN OF CUSTODY RECORD

COC#: 11129

ACCREDITED IN ACCORDANCE WITH nelac
NELAC Certificate #. T104704367-10-3

Main Office: 10526 Gulfdale
San Antonio, Texas 78216
(210) 340-8121 • Fax (210) 340-8

2500 Montana
El Paso, TX 79903
915-599-2182

admin@alamoanalytical.com

MUST BE COMPLETED BY CLIENT

Alamo's Client: Texas Dept of Aging & Disability Services
Client's P.O #: 53900-6-00000 86044
Project Manager: James W. Lannon
Phone #: 915 782 6455
Address: 6700 Delta Drive El Paso, TX 79905
Fax #: 915 782 6375
Project Number: El Paso SSLC Lead/Copper Potable Water Testing
Project Name:
Project Location: 6700 Delta Drive El Paso, TX 79905
Sampler Signature: W. R. 5/20/16

Turnaround time: Standard(7)☐ (in working days)
RUSH: 1☐ 2☐ 3-5■ Days (additional charges)
TRRP 13 Report: Yes☐ No☐ (additional charges)
Analysis for Permit Compliance: Yes☐ No☐
DMR Form Required: Yes☐ No☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	ANALYSIS: Lead	ANALYSIS: Copper						REMARKS (Preservation, Size/A
E1605076-11	5/20/16	4:55 Am		X	Water		508 Rm 121 R Grab		X	X						
-12	5/20/16	4:59 Am	X		Water		508 Rm 121 R Composite		X	X						
-13	5/20/16	5:22 Am		X	Water		507 Rm 109 Grab		X	X						
-14	5/20/16	5:26 Am	X		Water		507 Rm 109 Composite		X	X						
-15	5/20/16	4:26 Am		X	Water		507 Rm 124 Grab		X	X						
-16	5/20/16	4:30 Am	X		Water		507 Rm 124 Composite		X	X						
-17	5/20/16	5:45 Am		X	Water		507 Rm 128 Grab		X	X						
-18	5/20/16	5:50 Am	X		Water		507 Rm 128 Composite		X	X						
-19	5/20/16	5:40 Am		X	Water		507 Rm 134 Grab		X	X						
-20	5/20/16	5:44 Am	X		Water		507 Rm 134 Composite		X	X						

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
W. R.	5/20/16	12:04 pm	
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
	5/20/16	1205	
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)

Headspace			If Yes, Amt.
Properly Sealed	–		If No, Explain
Chilled ≤4° C		–	If No, Temp.

Comments:

2 of 4

ALAMO ANALYTICAL LABORATORIES LTD.

CHAIN OF CUSTODY RECORD

COC#: 11167

ACCREDITED IN ACCORDANCE WITH nelac
NELAC Certificate #. T104704367-10-3

Main Office: 10526 Gulfdale
San Antonio, Texas 78216
(210) 340-8121 • Fax (210) 340-8

2500 Montana
El Paso, TX 79903
915-599-2182

MUST BE COMPLETED BY CLIENT

Alamo's Client: Texas Dept of Aging & Disability Services	Client's P.O. #: 86044 53900-6-00000
Project Manager: James W. Lannon	Phone #: 915 782 6455
Address: 6700 Delta Drive El Paso TX 79905	Fax #: 915 782 6375
Project Number: El Paso SSLC Lead / Copper Potable Water Testing	Project Name:
Project Location: 6700 Delta Drive El Paso TX 79905	Sampler Signature: 5/20/16

Turnaround time: Standard(7)☐ (in working days)

RUSH: 1☐ 2☐ 3-5■ Days (additional charges)

TRRP 13 Report: Yes☐ No☐ (additional charges)

Analysis for Permit Compliance: Yes☐ No☐

DMR Form Required: Yes ☐ No☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	ANALYSIS Lead	ANALYSIS Copper						REMARKS (Preservation, Size/A
E160 5076-21	5/20/16	5:28 Am		X	Water		507 Rm 121 L Grab		X	X						
-22	5/20/16	5:32 Am	X		Water		507 Rm 121 L Composite		X	X						
-23	5/20/16	5:33 Am		X	Water		507 Rm 121 R Grab		X	X						
-24	5/20/16	5:37 Am	X		Water		507 Rm 121 R Composite		X	X						
-25	5/20/16	4:33 Am		X	Water		510 Rm 124 Grab		X	X						
-26	5/20/16	4:38 Am	X		Water		510 Rm 124 Composite		X	X						
-27	5/20/16	6:16 Am		X	Water		510 Rm 109 Grab		X	X						
-28	5/20/16	6:19 Am	X		Water		510 Rm 109 Composite		X	X						
-29	5/20/16	6:10 Am		X	Water		510 Rm 128 Grab		X	X						
-30	5/20/16	6:14 Am	X		Water		510 Rm 128 Composite		X	X						

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
	5/20/16	Pm 12:05	
Relinquished by: (Signature / Print Name)	5/20/16	1205	
Relinquished by: (Signature / Print Name)			
Relinquished by: (Signature / Print Name)			

Headspace			If Yes, Amt.
Properly Sealed			If No, Explain
Chilled ≤4° C			If No, Temp.

Comments:

3 of 4

ALAMO ANALYTICAL LABORATORIES LTD.

CHAIN OF CUSTODY RECORD

COC#: 11168

ACCREDITED IN ACCORDANCE WITH nelac
NELAC Certificate #. T104704367-10-3

Main Office: 10526 Gulfdale
San Antonio, Texas 78216
(210) 340-8121 • Fax (210) 340-8

2500 Montana
El Paso, TX 79903
915-599-2182

MUST BE COMPLETED BY CLIENT

Alamo's Client: Texas Dept of Aging & Disability Services	Client's P.O. #: 86044 53900-6-00000
Project Manager: James W. Lannon	Phone #: 915 782 6455
Address: 6700 Delta Drive El Paso TX 79905	Fax #: 915 782 6375
Project Number: El Paso SSLC Lead/Copper	Project Name: Potable Water Testing
Project Location: 6700 Delta Drive El Paso TX 79905	Sampler Signature: 5/20/16

Turnaround time: Standard(7)☐ (in working days)

RUSH: 1☐ 2☐ 3-5■ Days (additional charges)

TRRP 13 Report: Yes☐ No☐ (additional charges)

Analysis for Permit Compliance: Yes☐ No☐

DMR Form Required: Yes ☐ No☐

LAB ID# (Do not use)	Sampling Date	Sampling Time	Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No. of Containers	ANALYSIS Lead	ANALYSIS Copper						REMARKS (Preservation, Size/A
E160 5076-31	5/20/16	6:05 Am		X	Water		S10 Rm 134 Grab		X	X						
-32	5/20/16	6:09 Am	X		Water		S10 Rm 134 Composite		X	X						
-33	5/20/16	5:55 Am		X	Water		S10 Rm 121R Grab		X	X						
-34	5/20/16	5:58 Am	X		Water		S10 Rm 121R Composite		X	X						
-35	5/20/16	6:00 Am		X	Water		S10 Rm 121 L Grab		X	X						
-36	5/20/16	6:04 Am	X		Water		S10 Rm 121 L Composite		X	X						
-37	5/20/16	6:40 Am	X		Water		Hydrant N West Composite		X	X						
-38	5/20/16	9:10 Am		X	Water		S05 Rm 104 Grab		X	X						
-39	5/20/16	9:15 Am	X		Water		S05 Rm 104 Composite		X	X						

Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)
	5/20/16	12:05 Pm	
Relinquished by: (Signature / Print Name)	5/20/16	1205	
Relinquished by: (Signature / Print Name)			
Relinquished by: (Signature / Print Name)			

Headspace			If Yes, Amt.
Properly Sealed	—		If No, Explain
Chilled ≤4° C			If No, Temp.

Comments:

4 of 4

ALAMO ANALYTICAL LABORATORIES, LTD.

526 Gulfdale
n Antonio, TX – 78216;
. (210) 340-8121; Fax: (210) 340-8123

2500 Montana Ave.
El Paso, TX – 79903
Ph. (915) 599-2182

www.alamoanalytical.com; (800) 572-6955

Sample Log-In Checklist

ATE: 5/20/2016 TIME: 1215 INITIALS: AG

LIENT: Texas Dept of Agri PROJECT: W.O# E 1605076

Is a Chain of Custody present? Yes No

Is a Chain of Custody properly completed? Yes No

Are custody seals present? Yes No
If yes, are they intact? Yes No
Are they on: Sample _____ or on Shipping Container _____

Are all samples tagged or labeled? Yes No
If yes, do the labels match the Chain of Custody? Yes No

Do all shipping documents agree (i.e., number of coolers arrived vs. on tickets)
If not, describe below. Yes No N/A

Are samples preserved properly? *If not*, describe below. Yes No

Are all samples within holding times on arrival? Yes No
If not, describe below.

Other

Condition of shipping container: Intact ✓ or _____

Condition of samples: Intact ✓ or _____

Temperature of samples: 5

Delivery agent: Client ✓ UPS ____ Fed-Ex ____ Lone Star ____ Alamo P/U ____ Other _____

Sample disposal: Return to client _____ Alamo Analytical Disposal ✓

mments: (Reference checklist item number from above, or for comments on resolution below):

Rush
water
subcontract

Record of contacting client for resolution of sample discrepancies (first and retry contact)
Contacted How?

ne: _____ Phone ___ Fax ___ Date: ___/___/___ Time: _____
ne: Phone Fax Date: / / Time:

BETO O'ROURKE
16TH DISTRICT, TEXAS

COMMITTEE ON
ARMED SERVICES

COMMITTEE ON
VETERANS' AFFAIRS

Congress of the United States
House of Representatives
Washington, DC 20515

1330 LONGWORTH BUILDING
WASHINGTON, DC 20515
(202) 225-4831

303 N. OREGON, SUITE 210
EL PASO, TX 79901
(915) 541-1400

orourke.house.gov

June 9, 2016

The Honorable Gina McCarthy
Administrator
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington, DC 20460

Dear Administrator McCarthy:

I am deeply concerned about the serious potential health impacts surrounding a massive oil spill in the Lower Trinity River in the State of Texas. A report by the El Paso Times on May 29, 2016 detailed Texas' lack of effective response and public transparency. The article is attached for your review.

On June 2, 2015, under the direction of state emergency managers, the Civil Air Patrol took thousands of photos that showed oil spilling into the Lower Trinity River. Specifically, the photos show oil overflowing from production sites, tank batteries, and wastewater ponds at hydraulic fracking sites. Despite the existence of these photos, the Texas Railroad Commission, the state agency in charge of responding to oil spills, appears to have no record of this incident in its oil spill database. It should also be noted that the same database has record of four smaller spills along the Lower Trinity River from earlier in 2015.

More concerning is the fact that last month, following a separate report by the El Paso Times, the Texas Department of Public Safety directed that the Civil Air Patrol's photos of the June flood be removed from a public website run by the University of Texas. I am concerned that the incident represents a deficiency in the state's response to oil spills and its level of public transparency. I have concerns about whether state officials have adequate knowledge of the type and quantities of toxic substances that have flowed into Texas' rivers as result of flooding near energy production sites. I also have significant concerns regarding whether or not the public is being properly informed about matters that could have a significant and direct impact on their health.

Specifically, I request that your agency provide my office information on the following:

- The amount of oil and fracking fluid that was released into the Lower Trinity River as detailed in the May 29, 2016 El Paso Times article;
- A breakdown of the geography and populations that were affected by the oil spill; and
- The public health precautions that have been taken and will be taken going forward.

The federal government has a responsibility to ensure that states and their governing agencies are held responsible for their actions and that they have the necessary resources to quickly address future incidents. I urge your agency to look into this matter. Additionally, I request that your

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agency provide my office with updates regarding how you are working with the state to ensure compliance with federal regulations and increase public transparency of spill-related events.

Thank you for considering my requests.

Sincerely,

Beto O'Rourke

Beto O'Rourke
Member of Congress

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TEXAS 75202 2733

June 30, 2016

Office of the Regional Administrator

The Honorable Beto O Rourke
House of Representatives
Washington, D.C. 20515

Dear Congressman O Rourke:

Thank you for your letter dated June 9, 2016, to Ms. Gina McCarthy, Administrator, U.S. Environmental Protection Agency, regarding your concern about potential health impacts surrounding an oil spill in the Lower Trinity River in Texas. Your letter was forwarded to me as Texas falls under my jurisdiction.

In early June 2015, there was flooding in the Trinity River. The EPA deployed response personnel to the Texas State Operations Center in Austin, Texas to support any potential environmental responses and provide assistance if the Federal Emergency Management Agency requested an activation. In addition, the EPA supported the incident within our Regional Emergency Operations Center located in Dallas. During the incident, aerial photos were taken by the Civil Air Patrol through an activation by the State of Texas. EPA did not review all of the photos or have direct access to those photos.

The EPA coordinated with the Texas State Operations Center to investigate any potential oil incidents, and state personnel conducted field assessments. Based on those results, the EPA did not respond to any of the incidents reported as they did not meet our response criteria, nor did the EPA have a request from the State of Texas. The EPA did not conduct any sampling in connection with the flooding event.

Following the receipt of your letter, we held a conference call with you and your staff. As a response to the follow-up questions on that call, we are including the additional information:

1) *List of all spill notifications impacting the Trinity River including notification of State of Texas and follow up on response for May/June 2015*

There were six reports made to the National Response Center during the months of May and June 2015 (Enclosure 1) that may be attributed to the flooding that occurred. Please see the attached spreadsheet for more detailed information.

2) *Types and locations of any water sampling data in the Trinity River (by EPA or other organizations along the river) during May/June 2015.*

This paper is printed with vegetable-oil-based inks and is 100-percent postconsumer recycled material, chlorine-free-processed and recyclable

The EPA also requested data from the Trinity River Authority and the Texas Commission on Environmental Quality. These agencies maintain a routine sampling network within the Trinity River Basin, and the TCEQ houses data collected by monitoring partners under the Texas Clean Rivers Program. Data were requested for water quality sampling locations and types of data for the time period of May June 2015. These data were requested for the main stem of the Trinity River in the counties of Grimes, Montgomery and San Jacinto. Information on both flood and spill-related sampling events as well as routine programmatic sampling events was requested. The results are as follows:

- Trinity River Authority: All results were non-detect. Performed quick-reaction tests for the presence absence of hydrocarbons in raw river water at the Huntsville intake on the Trinity River. This site is just north of Lake Livingston (San Jacinto County) in Walker County.
- TCEQ: Performed routine programmatic sampling at four locations - identified below. No other sampling events, including spill-related events, were identified. Please note that routine sampling follows a pre-planned schedule and is not performed in response to certain events such as flooding or spills. Parameters sampled during routine events are not spill-specific (Enclosure 2).
    - Segment 0802 (Trinity River Below Lake Livingston in Polk San Jacinto County(s)): Site 16998 Trinity River at FM 3278.
    - Segment 0803 (Lake Livingston in Polk San Jacinto County(s)): Site 10899 Lake Livingston near dam.
    - Segment 0803 (Lake Livingston in Polk San Jacinto County(s)): Site 10913 Lake Livingston in main channel.
    - Segment 0803 (Lake Livingston in Polk San Jacinto County(s)): Site 21563 Lake Livingston main body at US 190 west of Onalaska.

If you have any questions, please call me at (214) 665-2100, or your staff may contact Mr. Austin Vela, Congressional Liaison, at (214) 665-9792.

Sincerely,

Ron Curry
Regional Administrator

Enclosures

ENCLOSURE # 1

NATIONAL RESPONSE CENTER REPORTS

NRC NO.	RESPONSIBLE_COMPANY	TYPE	ADDR	CITY	DESCRIPTION_OF_INCIDENT
1115852	CITY OF BRIDGEPORT	LOCAL GOVERNMENT		BRIDGEPORT	THE REPORTING SOURCE STATED THAT RAW SEWAGE IS RELEASING FROM THE MAN-HOLE COVERS IN FRONT OF HIS HOME; RUNNING DOWN HIS PROPERTY AND INTO THE TRINITY RIVER. THE CALLER STATED THAT THIS HAS BEEN ONGOING FOR THE LAST 3 WEEKS. HE STATED THAT THE SEWAGE RELEASE RATE IS APPROXIMATELY "HUNDREDS OF GALLONS PER MINUTE".
1117993		UNKNOWN			CALLER IS REPORTING THAT THERE ARE THREE CONTAINERS ON LAND AND IT IS PRODUCING A SHEEN IN TRINITY RIVER. CALLER STATED THIS WAS SPOTTED BY A COAST GUARD AUXILIARY AIRCRAFT.
1118549	SEM OPERATING	PRIVATE ENTERPRISE	350 N ST PAUL STREET	DALLAS	CALLER STATED THERE IS A SPILL OF CRUDE OIL AT A TANK BATTERY THAT IS UNDERWATER AT THE TRINITY RIVER DUE TO FLOODING. THE SPILL WAS DISCOVERED DURING AN OVERFLIGHT OF THE AREA BY THE EPA OF THE LOCATION. THE CAUSE OF THE SPILL IS UNKNOWN AT THIS TIME.
1119252	ONCOR ELECTRIC DELIVERY	PRIVATE ENTERPRISE	1616 WOODALL RODGERS FWY.	DALLAS	NON-PCB MINERAL OIL DISCHARGED FROM A POLE MOUNTED TRANSFORMER DUE TO HEAVY RAIN AND STORMS.
1121161	FEDEX GORUND	UNKNOWN			CALLER IS REPORTING A POTENTIAL RELEASE AND TRAFFIC FATALITY OF DIESEL DUE TO A TRAFFIC ACCIDENT WHERE A FEDEX TRUCK IS SUBMERGED IN THE TRINITY RIVER.

TYPE	CAUSE	LOCATION	ADDRESS	COUNTY	ZIP	CITY	DATE_RECEIVED	MEDIUM	ADD_MED_INFO	INJ	FAT	EVAC
FIXED	UNKNOWN		808 COBB ST.	WISE	76626	BRIDGEPORT	5/7/2015 23:13	WATER	/ TRINITY RIVER	N	N	N
STORAGE TANK	UNKNOWN	END OF PORT DRIVE		LIBERTY		LIBERTY	5/29/2015 18:14	WATER	/ TRINITY RIVER	N	N	N
FIXED	UNKNOWN	TANK BATTERY	EASTHAM A3 LOCATION	HOUSTON		WELDON	6/3/2015 17:09	WATER	TRINITY RIVER	N	N	N
FIXED	NATURAL PHENOMENON		7321 SOUTH CENTRAL EXPRESSWAY	DALLAS	75216	DALLAS	6/10/2015 1:34	WATER	STORM DRAIN > TRINITY RIVER; SOIL; DIRT	N	N	N
MOBILE	OTHER		I45 SOUTH	DALLAS		DALLAS	6/27/2015 11:36	WATER	TRINITY RIVER	N	Y	N

SOURCE	CITY	COUNTY	WATER_BODY	MATERIAL	TYPE	STATE_EPA_RESPONDED
CITY OF BRIDGEPORT	BRIDGEPORT	WISE	TRINITY RIVER	RAW SEWAGE (0 UNKNOWN AMOUNT);	Other	No EPA
	LIBERTY	LIBERTY	TRINITY RIVER	UNKNOWN OIL (0 UNKNOWN AMOUNT);	Oil	No EPA Response
SEM OPERATING	WELDON	HOUSTON	TRINITY RIVER	OIL: CRUDE (0 UNKNOWN AMOUNT);	Oil	No EPA Response
ONCOR ELECTRIC DELIVERY COMPANY	DALLAS	DALLAS	STORM DRAIN	OIL; MISC: MINERAL (27 GALLON(S));	Oil	No EPA
FEDEX GORUND	DALLAS	DALLAS	TRINITY RIVER	OIL; FUEL: NO. 2-D (120 GALLON(S));	Oil	no EPA response

INITIAL_EPA_ACTION
No EPA
Follow up with USCG.
Followed up with PRP. PRP is sending resources to ground truth the source of the spill and will report back to the PDO.
Does not meet response criteria
no EPA response

ENCLOSURE # 2

PARAMETERS SAMPLED DURING ROUTINE EVENTS

SPREADSHEET

Seg ID	Station ID	Station Description	Parameter	Parameter Description	From Date	To Date	Number Above/Below Criteria	Criteria Value	Criteria Units	Criteria Source	Number of Samples	Minimum	Maximum	Average	Median	Standard Deviation	Coefficient of Variation
802	16998	TRINITY RIVER AT FM 3278	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	5/26/2015	6/22/2015	0	33.9	degrees C	TSWQS Site-specific	2	24.8	27.3	26.05	26.05	1.768	0.068
802	16998	TRINITY RIVER AT FM 3278	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	5/26/2015	6/22/2015	N/A				2	25.6	27.1	26.35	26.35	1.061	0.04
802	16998	TRINITY RIVER AT FM 3278	00061	FLOW STREAM, INSTANTANEOUS (CUBIC FEET PER SEC	5/26/2015	6/22/2015	N/A				2	66000	68200	67100	67100	1555.635	0.023
802	16998	TRINITY RIVER AT FM 3278	00078	TRANSPARENCY, SECCHI DISC (METERS)	5/26/2015	6/22/2015	N/A				2	0.11	0.21	0.16	0.16	0.071	0.442
802	16998	TRINITY RIVER AT FM 3278	00094	SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C)	5/26/2015	6/22/2015	0	600	mg/L	TSWQS Site-specific for TDS	2	282	330	306	306	33.941	0.111
802	16998	TRINITY RIVER AT FM 3278	00300	OXYGEN, DISSOLVED (MG/L)	5/26/2015	6/22/2015	0	5, 3	mg/ L	TSWQS Site-specific; 24 hr avg,24 hr min	2	8.9	9.7	9.3	9.3	0.566	0.061
802	16998	TRINITY RIVER AT FM 3278	00400	PH (STANDARD UNITS)	5/26/2015	6/22/2015	0	6.5 - 9.0	pH units	TSWQS Site-specific	2	7.8	7.9	7.85	7.85	0.071	0.009
802	16998	TRINITY RIVER AT FM 3278	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	5/26/2015	6/22/2015	N/A				2	88	89.2	88.6	88.6	0.849	0.01
802	16998	TRINITY RIVER AT FM 3278	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	5/26/2015	6/22/2015	N/A				2	16	46	31	31	21.213	0.684
802	16998	TRINITY RIVER AT FM 3278	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	5/26/2015	6/22/2015	0	0.33	mg/L	IR screening level for ammonia in freshwater stream	2	0.1	0.1	0.1	0.1	0	0
802	16998	TRINITY RIVER AT FM 3278	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	5/26/2015	6/22/2015	0	1.95	mg/L	IR screening level for nitrate+nitrite in freshwater stream	2	0.04	0.04	0.04	0.04	0	0
802	16998	TRINITY RIVER AT FM 3278	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	5/26/2015	6/22/2015	0	1.95	mg/L	IR screening level for nitrate+nitrite in freshwater stream	2	0.32	0.76	0.54	0.54	0.311	0.576
802	16998	TRINITY RIVER AT FM 3278	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	5/26/2015	6/22/2015	N/A				2	0.67	0.69	0.68	0.68	0.014	0.021
802	16998	TRINITY RIVER AT FM 3278	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	5/26/2015	6/22/2015	0	0.69	mg/L	IR screening level for total phosphorus in freshwater stream	2	0.16	0.2	0.18	0.18	0.028	0.157
802	16998	TRINITY RIVER AT FM 3278	00671	ORTHOPHOSPHATE PHOSPHORUS,DISS,MG/L,FLDFILT<1	5/26/2015	6/22/2015	0	0.37	mg/L	IR screening level for ortho-phosphorus in freshwater stream	2	0.08	0.1	0.09	0.09	0.014	0.157
802	16998	TRINITY RIVER AT FM 3278	00900	HARDNESS, TOTAL (MG/L AS CACO3)	5/26/2015	6/22/2015	N/A				2	132.8	196.4	164.6	164.6	44.972	0.273
802	16998	TRINITY RIVER AT FM 3278	00940	CHLORIDE (MG/L AS CL)	5/26/2015	6/22/2015	0	125	mg/L	TSWQS Site-specific	2	16.2	17.7	16.95	16.95	1.061	0.063
802	16998	TRINITY RIVER AT FM 3278	00945	SULFATE (MG/L AS SO4)	5/26/2015	6/22/2015	0	100	mg/L	TSWQS Site-specific	2	26.5	26.6	26.55	26.55	0.071	0.003
802	16998	TRINITY RIVER AT FM 3278	01351	FLOW SEVERITY:1=No Flow,2=Low,3=Normal,4=Flood,5	5/26/2015	6/22/2015	N/A				2	4	4	4	4	0	0
802	16998	TRINITY RIVER AT FM 3278	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML	5/26/2015	6/22/2015	1	126 , 399	# per 100 mL	TSWQS Site-specific; geomean, single sample	2	1	1100	550.5	550.5	777.11	1.412
802	16998	TRINITY RIVER AT FM 3278	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. M	5/26/2015	6/22/2015	0	14.1	ug/L	IR screening level for chlorophyll a in freshwater stream	2	3	3	3	3	0	0
802	16998	TRINITY RIVER AT FM 3278	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C) (MG/L)	5/26/2015	6/22/2015	0	600	mg/L	TSWQS Site-specific	2	184	204	194	194	14.142	0.073
802	16998	TRINITY RIVER AT FM 3278	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	5/26/2015	6/22/2015	N/A				2	1	1	1	1	0	0
802	16998	TRINITY RIVER AT FM 3278	89835	FLOW MTH 1=GAGE 2=ELEC 3=MECH 4=WEIR/FLU 5=DC	5/26/2015	6/22/2015	N/A				2	4	4	4	4	0	0
802	16998	TRINITY RIVER AT FM 3278	89978	PRIMARY CONTACT, OBSERVED ACTIVITY (# OF PEOPLE	5/26/2015	6/22/2015	N/A				2	0	0	0	0	0	0
802	16998	TRINITY RIVER AT FM 3278	89979	EVIDENCE OF PRIMARY CONTACT RECREATION (1 = OBS	5/26/2015	6/22/2015	N/A				2	0	0	0	0	0	0
803	10899	LK LIVINGSTON NEAR DAM	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	6/23/2015	6/23/2015	0	33.9	degrees C	TSWQS Site-specific	1	30.5	30.5	30.5	30.5	0	0
803	10913	LK LIVINGSTON IN MAIN CHAN	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	6/23/2015	6/23/2015	0	33.9	degrees C	TSWQS Site-specific	1	29.2	29.2	29.2	29.2	0	0
803	21563	LAKE LIVINGSTON MAIN BODY	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	6/23/2015	6/23/2015	0	33.9	degrees C	TSWQS Site-specific	1	31.1	31.1	31.1	31.1	0	0
803	10899	LK LIVINGSTON NEAR DAM	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	6/23/2015	6/23/2015	N/A				1	31.2	31.2	31.2	31.2	0	0
803	10913	LK LIVINGSTON IN MAIN CHAN	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	6/23/2015	6/23/2015	N/A				1	30.5	30.5	30.5	30.5	0	0
803	21563	LAKE LIVINGSTON MAIN BODY	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	6/23/2015	6/23/2015	N/A				1	27.9	27.9	27.9	27.9	0	0
803	10899	LK LIVINGSTON NEAR DAM	00078	TRANSPARENCY, SECCHI DISC (METERS)	6/23/2015	6/23/2015	N/A				1	0.34	0.34	0.34	0.34	0	0
803	10913	LK LIVINGSTON IN MAIN CHAN	00078	TRANSPARENCY, SECCHI DISC (METERS)	6/23/2015	6/23/2015	N/A				1	0.04	0.04	0.04	0.04	0	0
803	21563	LAKE LIVINGSTON MAIN BODY	00078	TRANSPARENCY, SECCHI DISC (METERS)	6/23/2015	6/23/2015	N/A				1	0.1	0.1	0.1	0.1	0	0
803	10899	LK LIVINGSTON NEAR DAM	00094	SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C)	6/23/2015	6/23/2015	0	500	mg/L	TSWQS Site-specific for TDS	1	338	338	338	338	0	0
803	10913	LK LIVINGSTON IN MAIN CHAN	00094	SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C)	6/23/2015	6/23/2015	0	500	mg/L	TSWQS Site-specific for TDS	1	332	332	332	332	0	0
803	21563	LAKE LIVINGSTON MAIN BODY	00094	SPECIFIC CONDUCTANCE,FIELD (US/CM @ 25C)	6/23/2015	6/23/2015	0	500	mg/L	TSWQS Site-specific for TDS	1	324	324	324	324	0	0
803	10899	LK LIVINGSTON NEAR DAM	00300	OXYGEN, DISSOLVED (MG/L)	6/23/2015	6/23/2015	0	5, 3	mg/ L	TSWQS Site-specific; 24 hr avg,24 hr min	1	11.3	11.3	11.3	11.3	0	0
803	10913	LK LIVINGSTON IN MAIN CHAN	00300	OXYGEN, DISSOLVED (MG/L)	6/23/2015	6/23/2015	0	5, 3	mg/ L	TSWQS Site-specific; 24 hr avg,24 hr min	1	7.7	7.7	7.7	7.7	0	0
803	21563	LAKE LIVINGSTON MAIN BODY	00300	OXYGEN, DISSOLVED (MG/L)	6/23/2015	6/23/2015	0	5, 3	mg/ L	TSWQS Site-specific; 24 hr avg,24 hr min	1	9.2	9.2	9.2	9.2	0	0
803	10899	LK LIVINGSTON NEAR DAM	00400	PH (STANDARD UNITS)	6/23/2015	6/23/2015	0	6.5 - 9.0	pH units	TSWQS Site-specific	1	7.9	7.9	7.9	7.9	0	0
803	10913	LK LIVINGSTON IN MAIN CHAN	00400	PH (STANDARD UNITS)	6/23/2015	6/23/2015	0	6.5 - 9.0	pH units	TSWQS Site-specific	1	7.1	7.1	7.1	7.1	0	0
803	21563	LAKE LIVINGSTON MAIN BODY	00400	PH (STANDARD UNITS)	6/23/2015	6/23/2015	0	6.5 - 9.0	pH units	TSWQS Site-specific	1	7.4	7.4	7.4	7.4	0	0
803	10899	LK LIVINGSTON NEAR DAM	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	6/23/2015	6/23/2015	N/A				1	115.6	115.6	115.6	115.6	0	0
803	10913	LK LIVINGSTON IN MAIN CHAN	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	6/23/2015	6/23/2015	N/A				1	109.4	109.4	109.4	109.4	0	0
803	21563	LAKE LIVINGSTON MAIN BODY	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	6/23/2015	6/23/2015	N/A				1	112	112	112	112	0	0
803	10899	LK LIVINGSTON NEAR DAM	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	6/23/2015	6/23/2015	N/A				1	7	7	7	7	0	0
803	10913	LK LIVINGSTON IN MAIN CHAN	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	6/23/2015	6/23/2015	N/A				1	144	144	144	144	0	0
803	21563	LAKE LIVINGSTON MAIN BODY	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	6/23/2015	6/23/2015	N/A				1	52	52	52	52	0	0
803	10899	LK LIVINGSTON NEAR DAM	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	6/23/2015	6/23/2015	0	0.11	mg/L	IR screening level for ammonia in reservoir	1	0.1	0.1	0.1	0.1	0	0

803	10913	LK LIVINGSTON IN MAIN CHAN	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	6/23/2015	6/23/2015	0	0.11	mg/L	IR screening level for ammonia in reservoir	1	0.1	0.1	0.1	0.1	0	0
803	21563	LAKE LIVINGSTON MAIN BODY	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	6/23/2015	6/23/2015	0	0.11	mg/L	IR screening level for ammonia in reservoir	1	0.1	0.1	0.1	0.1	0	0
803	10899	LK LIVINGSTON NEAR DAM	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	6/23/2015	6/23/2015	0	0.37	mg/L	IR screening level for nitrate+nitrite in reservoir	1	0.04	0.04	0.04	0.04	0	0
803	10913	LK LIVINGSTON IN MAIN CHAN	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	6/23/2015	6/23/2015	0	0.37	mg/L	IR screening level for nitrate+nitrite in reservoir	1	0.05	0.05	0.05	0.05	0	0
803	21563	LAKE LIVINGSTON MAIN BODY	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	6/23/2015	6/23/2015	0	0.37	mg/L	IR screening level for nitrate+nitrite in reservoir	1	0.06	0.06	0.06	0.06	0	0
803	10899	LK LIVINGSTON NEAR DAM	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	6/23/2015	6/23/2015	0	0.37	mg/L	IR screening level for nitrate+nitrite in reservoir	1	0.23	0.23	0.23	0.23	0	0
803	10913	LK LIVINGSTON IN MAIN CHAN	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	6/23/2015	6/23/2015	0	0.37	mg/L	IR screening level for nitrate+nitrite in reservoir	1	0.35	0.35	0.35	0.35	0	0
803	21563	LAKE LIVINGSTON MAIN BODY	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	6/23/2015	6/23/2015	0	0.37	mg/L	IR screening level for nitrate+nitrite in reservoir	1	0.3	0.3	0.3	0.3	0	0
803	10899	LK LIVINGSTON NEAR DAM	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	6/23/2015	6/23/2015	N/A				1	0.7	0.7	0.7	0.7	0	0
803	10913	LK LIVINGSTON IN MAIN CHAN	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	6/23/2015	6/23/2015	N/A				1	1	1	1	1	0	0
803	21563	LAKE LIVINGSTON MAIN BODY	00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	6/23/2015	6/23/2015	N/A				1	0.99	0.99	0.99	0.99	0	0
803	10899	LK LIVINGSTON NEAR DAM	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	6/23/2015	6/23/2015	0	0.2	mg/L	IR screening level for total phosphorus in reservoir	1	0.14	0.14	0.14	0.14	0	0
803	10913	LK LIVINGSTON IN MAIN CHAN	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	6/23/2015	6/23/2015	1	0.2	mg/L	IR screening level for total phosphorus in reservoir	1	0.73	0.73	0.73	0.73	0	0
803	21563	LAKE LIVINGSTON MAIN BODY	00665	PHOSPHORUS, TOTAL, WET METHOD (MG/L AS P)	6/23/2015	6/23/2015	1	0.2	mg/L	IR screening level for total phosphorus in reservoir	1	0.26	0.26	0.26	0.26	0	0
803	10899	LK LIVINGSTON NEAR DAM	00671	ORTHOPHOSPHATE PHOSPHORUS,DISS,MG/L,FLDFILT<1	6/23/2015	6/23/2015	1	0.05	mg/L	IR screening level for ortho-phosphorus in reservoir	1	0.08	0.08	0.08	0.08	0	0
803	10913	LK LIVINGSTON IN MAIN CHAN	00671	ORTHOPHOSPHATE PHOSPHORUS,DISS,MG/L,FLDFILT<1	6/23/2015	6/23/2015	1	0.05	mg/L	IR screening level for ortho-phosphorus in reservoir	1	0.1	0.1	0.1	0.1	0	0
803	21563	LAKE LIVINGSTON MAIN BODY	00671	ORTHOPHOSPHATE PHOSPHORUS,DISS,MG/L,FLDFILT<1	6/23/2015	6/23/2015	1	0.05	mg/L	IR screening level for ortho-phosphorus in reservoir	1	0.1	0.1	0.1	0.1	0	0
803	10899	LK LIVINGSTON NEAR DAM	00900	HARDNESS, TOTAL (MG/L AS CACO3)	6/23/2015	6/23/2015	N/A				1	158.8	158.8	158.8	158.8	0	0
803	10913	LK LIVINGSTON IN MAIN CHAN	00900	HARDNESS, TOTAL (MG/L AS CACO3)	6/23/2015	6/23/2015	N/A				1	220	220	220	220	0	0
803	21563	LAKE LIVINGSTON MAIN BODY	00900	HARDNESS, TOTAL (MG/L AS CACO3)	6/23/2015	6/23/2015	N/A				1	123.6	123.6	123.6	123.6	0	0
803	10899	LK LIVINGSTON NEAR DAM	00940	CHLORIDE (MG/L AS CL)	6/23/2015	6/23/2015	0	150	mg/L	TSWQS Site-specific	1	15.8	15.8	15.8	15.8	0	0
803	10913	LK LIVINGSTON IN MAIN CHAN	00940	CHLORIDE (MG/L AS CL)	6/23/2015	6/23/2015	0	150	mg/L	TSWQS Site-specific	1	15.8	15.8	15.8	15.8	0	0
803	21563	LAKE LIVINGSTON MAIN BODY	00940	CHLORIDE (MG/L AS CL)	6/23/2015	6/23/2015	0	150	mg/L	TSWQS Site-specific	1	15.2	15.2	15.2	15.2	0	0
803	10899	LK LIVINGSTON NEAR DAM	00945	SULFATE (MG/L AS SO4)	6/23/2015	6/23/2015	0	60	mg/L	TSWQS Site-specific	1	26.3	26.3	26.3	26.3	0	0
803	10913	LK LIVINGSTON IN MAIN CHAN	00945	SULFATE (MG/L AS SO4)	6/23/2015	6/23/2015	0	60	mg/L	TSWQS Site-specific	1	24.6	24.6	24.6	24.6	0	0
803	21563	LAKE LIVINGSTON MAIN BODY	00945	SULFATE (MG/L AS SO4)	6/23/2015	6/23/2015	0	60	mg/L	TSWQS Site-specific	1	23.4	23.4	23.4	23.4	0	0
803	10899	LK LIVINGSTON NEAR DAM	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML	6/23/2015	6/23/2015	0	126 , 399	# per 100 mL	TSWQS Site-specific; geomean, single sample	1	2	2	2	2	0	0
803	10913	LK LIVINGSTON IN MAIN CHAN	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML	6/23/2015	6/23/2015	0	126 , 399	# per 100 mL	TSWQS Site-specific; geomean, single sample	1	15	15	15	15	0	0
803	21563	LAKE LIVINGSTON MAIN BODY	31699	E. COLI, COLILERT, IDEXX METHOD, MPN/100ML	6/23/2015	6/23/2015	0	126 , 399	# per 100 mL	TSWQS Site-specific; geomean, single sample	1	12	12	12	12	0	0
803	10899	LK LIVINGSTON NEAR DAM	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. M	6/23/2015	6/23/2015	N/A	26.7	ug/L	IR screening level for chlorophyll a in reservoir	1	12	12	12	12	0	0
803	10913	LK LIVINGSTON IN MAIN CHAN	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. M	6/23/2015	6/23/2015	N/A	26.7	ug/L	IR screening level for chlorophyll a in reservoir	1	16	16	16	16	0	0
803	21563	LAKE LIVINGSTON MAIN BODY	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. M	6/23/2015	6/23/2015	1	26.7	ug/L	IR screening level for chlorophyll a in reservoir	1	28	28	28	28	0	0
803	10899	LK LIVINGSTON NEAR DAM	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C) (MG/L)	6/23/2015	6/23/2015	0	500	mg/L	TSWQS Site-specific	1	119	119	119	119	0	0
803	10913	LK LIVINGSTON IN MAIN CHAN	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C) (MG/L)	6/23/2015	6/23/2015	0	500	mg/L	TSWQS Site-specific	1	213	213	213	213	0	0
803	21563	LAKE LIVINGSTON MAIN BODY	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C) (MG/L)	6/23/2015	6/23/2015	0	500	mg/L	TSWQS Site-specific	1	207	207	207	207	0	0
803	10899	LK LIVINGSTON NEAR DAM	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	6/23/2015	6/23/2015	N/A				1	2	2	2	2	0	0
803	10913	LK LIVINGSTON IN MAIN CHAN	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	6/23/2015	6/23/2015	N/A				1	2	2	2	2	0	0
803	21563	LAKE LIVINGSTON MAIN BODY	72053	DAYS SINCE PRECIPITATION EVENT (DAYS)	6/23/2015	6/23/2015	N/A				1	4	4	4	4	0	0
803	10913	LK LIVINGSTON IN MAIN CHAN	82903	DEPTH OF BOTTOM OF WATER BODY AT SAMPLE SITE	6/23/2015	6/23/2015	N/A				1	2.2	2.2	2.2	2.2	0	0
803	21563	LAKE LIVINGSTON MAIN BODY	82903	DEPTH OF BOTTOM OF WATER BODY AT SAMPLE SITE	6/23/2015	6/23/2015	N/A				1	13.4	13.4	13.4	13.4	0	0
803	10899	LK LIVINGSTON NEAR DAM	89978	PRIMARY CONTACT, OBSERVED ACTIVITY (# OF PEOPLE	6/23/2015	6/23/2015	N/A				1	0	0	0	0	0	0
803	10913	LK LIVINGSTON IN MAIN CHAN	89978	PRIMARY CONTACT, OBSERVED ACTIVITY (# OF PEOPLE	6/23/2015	6/23/2015	N/A				1	0	0	0	0	0	0
803	21563	LAKE LIVINGSTON MAIN BODY	89978	PRIMARY CONTACT, OBSERVED ACTIVITY (# OF PEOPLE	6/23/2015	6/23/2015	N/A				1	0	0	0	0	0	0
803	10899	LK LIVINGSTON NEAR DAM	89979	EVIDENCE OF PRIMARY CONTACT RECREATION (1 = OBS	6/23/2015	6/23/2015	N/A				1	0	0	0	0	0	0
803	10913	LK LIVINGSTON IN MAIN CHAN	89979	EVIDENCE OF PRIMARY CONTACT RECREATION (1 = OBS	6/23/2015	6/23/2015	N/A				1	0	0	0	0	0	0
803	21563	LAKE LIVINGSTON MAIN BODY	89979	EVIDENCE OF PRIMARY CONTACT RECREATION (1 = OBS	6/23/2015	6/23/2015	N/A				1	0	0	0	0	0	0

Congress of the United States
Washington, DC 20515

June 30, 2016

The Honorable Gina McCarthy
Administrator
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

Dear EPA Administrator McCarthy:

As the Environmental Protection Agency (EPA) completes revisions of the Lead and Copper Rule (LCR), we urge you to ensure it reflects the latest science on incidence and health effects from lead in drinking water and effective notification of elevated levels.

We understand the LCR currently requires public water systems (PWSs) to take certain actions to minimize lead and copper contamination in drinking water (i.e., reduce water corrosivity to prevent the leaching of these metals), monitor lead levels at the customer tap, and conduct public education if there is a lead action level exceedance. When other measures are not sufficient for the water system to avoid an action level exceedance of 15 parts per billion (ppb) in more than ten percent of tap water samples collected during any monitoring period, the rule requires water systems to replace lead service lines.

The current lead action level was developed in 1991 based on the practical feasibility at that time of reducing lead through controlling corrosion. Corrosion control technologies and our understanding of the negative impacts of lead at low doses have advanced significantly since that time.

In 1991, the Centers for Disease Control and Prevention (CDC) used 10 micrograms per deciliter (μg/dl) as a level of concern for blood lead levels in children. However, in 2012 the CDC recognized that parents may not be notified of blood lead levels below 10 μg/dl and so established a reference level for lead representing the 97.5th percentile of blood lead levels in children. CDC will update this reference level every four years. Currently it is 5 μg/dl, and it will hopefully continue to decrease as we remove sources of lead exposure from the environment, including from drinking water contamination.

The LCR currently aims to keep lead levels in water below 15 ppb at the 90th percentile home. In 2011, the World Health Organization established guidelines of 10 ppb for lead on the basis of treatment performance and analytical achievability. The European Union Council Directive on drinking water quality also established 10 ppb in its standards for public notification. Therefore, we strongly urge you to bring the current rules and action level in line with the most up-to-date scientific research on lead levels and corrosion controls as you finalize revisions to the LCR.

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While we understand the action level does not represent a health based standard, it is an important tool for triggering public notification and other actions to reduce the public's exposure to lead drinking water contamination. Major public health officials, federal and state public health agencies, and international public health organizations have long recognized there is no safe level of lead exposure. This consensus has formed based on decades of scientific research and public health documents demonstrating that it does not matter if a person breathes-in, swallows, or otherwise absorbs lead, there are negative health impacts from lead exposure. Further, the health effects from exposure to lead are especially of concern for pregnant women, infants, and young children and often disproportionately impact minority communities and low income individuals. In fact, the CDC reports that there are at least four million households where children reside that are being exposed to high levels of lead. Additionally, the CDC estimates there are approximately 500,000 U.S. children ages one through five with blood lead levels above 5 μg/dl, the reference level at which CDC recommends public health actions be initiated.

We urge you to establish a national clearinghouse of information for the public, as recommended in the Lead and Copper Rule Working Group report drafted by the National Drinking Water Advisory Council. We believe it is critical that the public and all levels of government are notified when a significant number of tests come back above the LCR's action level.

Leadership by the EPA is essential to improving the effectiveness of corrosion control treatments and other actions needed to reduce exposure of lead in drinking water. While we understand this cannot be achieved by EPA regulation alone, we must put strong regulations in place to protect the public's health and ensure that our drinking water is safe. We look forward to working with you in the future as EPA updates and implements the LCR. Thank you for your consideration.

Sincerely,

Bill Pascrell, Jr.
Member of Congress

Elise Stefanik
Member of Congress

Daniel T. Kildee
Member of Congress

Candice S. Miller
Member of Congress

Frank Pallone, Jr.
Member of Congress

Donald S. Beyer Jr.
Member of Congress

Earl Blumenauer
Member of Congress

Brendan Boyle
Member of Congress

Robert Brady
Member of Congress

Corrine Brown
Member of Congress

Cheri Bustos
Member of Congress

G. K. Butterfield
Member of Congress

Lois Capps
Member of Congress

Tony Cárdenas
Member of Congress

Matthew Cartwright
Member of Congress

Katherine Clark
Member of Congress

Gerald E. Connolly
Member of Congress

John Conyers, Jr.
Member of Congress

Elijah Cummings
Member of Congress

Danny K. Davis
Member of Congress

Mark DeSaulnier
Member of Congress

Debbie Dingell
Member of Congress

Anna G. Eshoo
Member of Congress

Elizabeth H. Esty
Member of Congress

Gene Green
Member of Congress

Raul M. Grijalva
Member of Congress

Luis V. Gutiérrez
Member of Congress

Brian Higgins
Member of Congress

Hakeem Jeffries
Member of Congress

Eddie Bernice Johnson
Member of Congress

Marcy Kaptur
Member of Congress

Derek Kilmer
Member of Congress

Brenda Lawrence
Member of Congress

Barbara Lee
Member of Congress

Sander M. Levin
Member of Congress

John Lewis
Member of Congress

Ted Lieu
Member of Congress

Zoe Lofgren
Member of Congress

Alan Lowenthal
Member of Congress

Betty McCollum
Member of Congress

James McGovern
Member of Congress

Jerry McNerney
Member of Congress

Seth Moulton
Member of Congress

Jerrold Nadler
Member of Congress

Grace F. Napolitano
Member of Congress

Richard M. Nolan
Member of Congress

Eleanor Holmes Norton
Member of Congress

Beto O'Rourke
Member of Congress

Scott Peters
Member of Congress

Jared Polis
Member of Congress

Mike Quigley
Member of Congress

Bobby L. Rush
Member of Congress

Tim Ryan
Member of Congress

Jan Schakowsky
Member of Congress

Adam Schiff
Member of Congress

José E. Serrano
Member of Congress

Albio Sires
Member of Congress

Jackie Speier
Member of Congress

Niki Tsongas
Member of Congress

Bonnie Watson Coleman
Member of Congress

John A. Yarmuth
Member of Congress

BETO O'ROURKE
16TH DISTRICT, TEXAS

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August 4, 2016

The Honorable Gina McCarthy
Administrator
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington, DC 20460

Dear Administrator McCarthy,

I am writing you to urge your agency to strengthen the regional haze rule. As established under the Clean Air Act, the Environmental Protection Agency (EPA) sets visibility and air quality goals for national parks and wilderness areas in the U.S., among others. To decrease visual impairment, the regional haze rule has been used to combat haze by limiting emission of air pollutants since 1999.

This rule is especially important to my district of El Paso, Texas and the surrounding region due to its proximity to a number of state and national parks and national monuments. The Franklin Mountains State Park, which is the largest urban park in the nation lying completely within city limits, is located in my district. Additionally, there are two national parks and three national monuments that lie within a two-hour drive of my hometown. The El Paso community is also pushing to preserve Castner Range, more than 7,000 acres of natural beauty that includes history dating back 10,000 years. A strong regional haze rule is important to not only protecting these treasured lands and its wildlife, but also to limit pollution that is known to cause asthma attacks, respiratory diseases and heart conditions, among others.

The federal government has a responsibility to protect the safety and welfare of its citizens, which includes ensuring that our air is as clean as possible. I urge your agency to take the necessary steps to make updates to the regional haze rule.

Specifically, I recommend:

- Strengthening the federal land manager (FLM) consultation requirements to ensure that any issues that arise are identified early on in the planning process, even before State Implementation Plans (SIP) or Progress Reports are submitted;
- Extending the requirements so that now all states must address situations where a single source or small number of sources is affecting visibility in a national park or similar area;
- Updating the SIP submittal deadlines for the second planning period from July 31, 2018 to July 31, 2021 to ensure that they align with the steps states are already taking to address other Clean Air Act actions;

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- Adjusting interim progress report submission deadlines so that second and subsequent progress reports would be due by January 31, 2025, July 31, 2033 and every 10 years thereafter;
- Removing the requirement for progress reports to take the form of SIP revisions. States would be required to consult with Federal Land Managers and obtain public comment on their progress reports before submission to the EPA; and
- Additionally, I request that your agency clarifies your interpretations of how metrics are met under the regional haze rule. This includes the following measurements:
    - Requirements that reasonable progress goals would be set based on the long-term strategy.
    - Obligations of states with mandatory Class I areas and other states contributing to impairment at those areas.
    - Obligations on states setting reasonable progress goals that provide for a slower rate of progress than that needed to attain natural conditions by 2064.

I also request that your agency provide my office with updates on the implementation of the regional haze rule.

Thank you for considering my request.

Sincerely,

Beto O'Rourke

Beto O'Rourke
Member of Congress

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

AUG 30 2016

OFFICE OF
AIR AND RADIATION

The Honorable Beto O'Rourke
U.S. House of Representatives
Washington, D.C. 20515

Dear Congressman O'Rourke:

Thank you for your letter of August 4, 2016, to U.S. Environmental Protection Agency Administrator Gina McCarthy, regarding the EPA's recent proposal to revise the requirements for the Regional Haze program and your interest that the program be strengthened. The Administrator asked that I respond on her behalf.

On April 25, 2016, the U.S. Environmental Protection Agency (EPA) proposed revisions to the Regional Haze Rule, which describes actions that states must take when submitting regional haze state implementation plans and progress reports. As you know, the regional haze program helps to protect clear views in national parks, such as Big Bend National Park, and wilderness areas, such as the Okefenokee National Wildlife Refuge. Vistas in these areas are often obscured by regional haze caused by emissions from numerous sources located over a wide geographic area. Over the past decade, the Regional Haze Rule, as well as other Clean Air Act programs, have helped to reduce emissions of visibility-impairing pollutants and improve visibility. EPA is proposing revisions to various requirements of the Regional Haze Rule to streamline, strengthen, and clarify aspects of the Regional Haze program.

We will take the comments you provided in your letter, as well as all public comments that we receive, under consideration as we prepare the final rulemaking.

Again, thank you for your letter. If you have further questions, please contact me or your staff may contact Matthew Davis in the EPA's Office of Congressional and Intergovernmental Relations at davis.matthew@epa.gov or at (202) 564-1267.

Sincerely,

Janet G. McCabe
Acting Assistant Administrator

BETO O'ROURKE
16TH DISTRICT, TEXAS

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(202) 225-4831

Congress of the United States
House of Representatives
Washington, DC 20515–4316

February 13, 2013

Ron Curry
Administrator
EPA, Region 6
1445 Ross Avenue, Suite 1200
Dallas, TX 75202

Re: Asarco Smokestacks

Dear Administrator Curry:

I am writing to share the concerns of my constituents regarding the disposition of the 155 acres of Asarco West in El Paso and the possible demolition of the smokestacks that sit on the property. There is considerable interest in the community, including the Mayor and City Council Members, in preserving the stacks and utilizing the land for a public use. Doing so would involve a property transfer to the City after environmental remediation is complete and some assistance in maintaining the stacks. It is my understanding that the Trustee has repeatedly asserted that he has limited discretion to transfer the property to the City and is actively moving forward with plans to demolish the stacks.

In light of these concerns, I respectfully request answers to the following questions:

- Under the terms of the Settlement and Trust Agreements, does the Asarco property need to be sold?
- How can the City of El Paso or another public entity acquire the property?
- Under the terms of the Settlement and Trust Agreements, what is considered remediation? Is remediation and maintainence of the stacks considered remediation in this context?
- Under the terms of the Settlement and Trust Agreements, are the EPA and the TCEQ able to take possession of the property at their discretion?
- Given the considerable interest of the public in helping to determine the fate of the land and the stacks, why is demolition being considered in the near future?

I appreciate your prompt response to these concerns. If you have any questions, please contact Jeff Hild in my Washington office at 202.225.4831 or jeff.hild@mail.house.gov.

Sincerely,

Beto O'Rourke
Member of Congress

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TEXAS 75202 – 2733

Office of the Regional Administrator

March 20, 2013

The Honorable Beto O'Rourke
House of Representatives
Washington, D.C. 20515

Dear Congressman O'Rourke:

Thank you for your letter of February 13, 2013, to the U.S. Environmental Protection Agency regarding the disposition of the ASARCO property in El Paso, Texas, and the demolition of the smokestacks on the property. ASARCO site remediation has garnered significant public interest, and the EPA is committed to addressing your constituents' concerns.

As a preliminary matter, there are two documents governing the remediation: the *Consent Decree and Settlement Agreement Establishing a Custodial Trust for the Owned Smelter Site in El Paso, Texas and the Owned Zinc Smelter Site in Amarillo, Texas* and the *Environmental Custodial Trust Agreement*. Also, please note that the Texas Commission on Environmental Quality has been and remains the lead government agency overseeing site remediation.

On March 15, 2013, the Trustee publically released the Chimney Demolition Plan for the former ASARCO smelter site and submitted the plan to the TCEQ, EPA, City of El Paso and IBWC. The draft demolition plan is available for public view and comment on the trustee website at http://www.recastingthesmelter.com. The EPA, in close coordination with TCEQ, is reviewing and preparing comments on the draft demolition plan.

1. Under what terms of the settlement and trust agreements, does the ASARCO property need to be sold?

The Settlement Agreement states, in language nearly identical to that found in paragraph 2.2.1 of the Trust Agreement, that the purposes of the Trust are to "…carry out administrative and property management functions related to the Designated Properties, conduct, manage, and/or fund implementation of future Environmental Actions with respect to the Designated Properties, and ultimately to sell, transfer or otherwise dispose of all or part of the designated properties, if possible…." (IV.11.b.). The Settlement Agreement goes on to specify, "The Custodial Trustee may at any time seek the approval of US EPA and the TCEQ for the sale or lease or other disposition of all or part of the Texas Designated Properties." (IV.17).

The Trust Agreement conditions that "[t]he Custodial Trustee shall use ordinary and prudent judgment in considering a proposal to sell the real estate associated with the El Paso Designated Property *and may consider criteria other than sales price*. Any sale by the Custodial Trustee shall however be for at least fair value." (Emphasis added.) (2.5.1).

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In contemplating any sale, lease, or other disposition of the Designated Properties, the Custodial Trustee must take actions consistent with his fiduciary duties.

2. How can the City of El Paso or another public trust entity acquire the property?

Any acquisition of the property would have to be in line with the objectives of the trust, as described above: addressing contamination on and in the structures, soils, surface water, and groundwater; and remediating the site to standards that are protective of human health and the environment with oversight by the TCEQ. Assuming that a public entity could acquire the property in furtherance of the trust objectives, any sale of the property would have to be for at least fair value.

The Trust Agreement allows the Custodial Trustee to sell or lease all or part of the property so long as the sale or lease does not "limit or impede Environmental Actions necessary to address the Designated Properties or Sites." (2.13) In the context of a public entity acquiring the property with the objective of preserving the stacks, opposition groups may argue that disposition prior to demolition of the stacks limits and impedes necessary Environmental Actions.

While the agreements do not specifically rule out the possibility of granting the property to a public entity, there are significant liabilities and safety issues associated with maintaining the stacks that parties in opposition may argue run counter to the stated purposes of the trust. In addition to securing the successful remediation of the site, a public entity would likely need to show the financial ability to fund maintenance of the stacks in perpetuity.

3. Under the terms of the settlement and trust agreements, what is considered remediation? Is remediation and maintenance of the stacks considered remediation in this context?

"Remediation" is not a defined term in the either the Settlement Agreement or Trust Agreement, though neither specifically excludes preservation of the stacks from the definition of "Environmental Actions" contemplated by the agreements. At a minimum, remediation would be expected to include taking measures necessary to protect human health and the environment to the satisfaction of the TCEQ, the lead agency overseeing the cleanup of the facility.

4. Under the terms of the settlement and trust agreements, are the EPA and the TCEQ able to take possession of the property at their discretion?

Per Section 2.13 of the Trust Agreement, "The TCEQ or the United States, may at any time propose in writing to take ownership of any of the Designated Properties…" and "[a]ny such proposed transfer and the terms thereof are subject to the consent of the TCEQ and the United States." At the sole request and direction of the TCEQ, the following was added:

> Prior to the TCEQ or the United States taking ownership of any portion of the El Paso Smelter Site, the Custodial Trustee shall provide the City of El Paso the opportunity to propose its own plan regarding disposition of the El Paso Smelter Site to the Custodial Trusee, the TCEQ, and the United States, which may include private or public entities taking ownership and completing remediation of such Designated Property.

The Settlement Agreement does not include similar language, so it is possible that creditors would argue that the two agreements must be read together, so that they could benefit from the sale proceeds. To this end, both the Settlement Agreement (IV.12.i(2)) and the Trust Agreement (2.5) provide that the

remaining funds from sale proceeds of all or part of the properties go to "the Reorganized Debtors for the benefit of … the creditors of Debtors as provided in the plan of reorganization that is ultimately approved by the Bankruptcy Court."

The TCEQ has stated that so long as the remediation is proceeding in a timely manner, it is unlikely that they would exercise this discretion. Likewise, the EPA would not take ownership of the property, and we are not aware of any interest in the property by other federal agencies.

5. Given the considerable interest of the public in helping to determine the fate of the land and the stacks, why is demolition being considered in the near future?

According to information available to the EPA, the stacks were scheduled to be demolished more than a year ago. The Trustee allowed additional time for interested parties to develop a viable plan to save them and secure appropriate financial support. The Trustee has informed the EPA that a survey from the *El Paso Times* in December 2012 showed little support for saving the stacks. Therefore, the Trustee has decided to move forward with the demolition plan. According to the Trustee, the groups wishing to preserve the stacks were given one year to garner community and financial support for this case but failed to gather enough backing from the community. The swift remediation and sale of the property appears to further the objective of the settlement and trust agreements.

If you have any questions, please contact me at (214) 665-2100, or your staff may contact Ms. Cynthia Fanning, Congressional Liaison, at (214) 665-2142.

Sincerely,

Ron Curry
Regional Administrator

remaining funds from the proceeds of all or part of the properties go to "the Reorganized Debtors for the benefit of the creditors of Debtors as provided in the plan of reorganization that is ultimately approved by the bankruptcy court."

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According to information available to the EPA, the stacks were scheduled to be demolished more than a year ago. The Trustee allowed additional time for interested parties to develop a viable plan to save them and secure appropriate financial support. The Trustee has informed the EPA that a survey from the AVAnet2 team in December 2012 showed little support for saving the stacks. Therefore, the Trustee has decided to move forward with the demolition plan. According to the Trustee, the groups wishing to preserve the stacks were given one year to garner community and financial support for this case but failed to gather enough backing from the community. The swift remediation and sale of the property appears to further the objectives of the settlement and trust agreements.

If you have any questions, please contact me at (214) 665-2100, or your staff may contact Ms. Cynthia Fanning, Congressional Liaison, at (214) 665-2142.

Sincerely,

Ken Ellis
Regional Administrator

BETO O'ROURKE
16TH DISTRICT, TEXAS

COMMITTEE ON
HOMELAND SECURITY

COMMITTEE ON
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March 18, 2013

Mathy Stanislaus
Assistant Administrator
Office of Solid Waste and Emergency Response
U.S. Environmental Protection Agency
Ariel Rios Building
1200 Pennsylvania Avenue, N. W.
Mail Code: 5101T
Washington, DC 20460

Ron Curry
Regional Administrator
U.S. Environmental Protection Agency
1445 Ross Avenue
Suite 1200
Mail Code: 6RA
Dallas, TX 75202-2733

Electronic delivery to:
Stanislaus.mathy@Epa.gov

Subject: Demolition of the chimneys from the former Asarco smelter site in El Paso

Dear Mr. Stanislaus and Mr. Curry,

I am writing to request that the U.S. Environmental Protection Agency review plans for the demolition of the chimneys from the former Asarco site in El Paso, and that U.S. EPA stay in close contact with the demolition contractors to assure adequate protection of public health. Further, I request that EPA halt the demolition currently scheduled for April 13, 2013 if there are any unanswered questions regarding the impact on public health or any flaws in the process that led to the decision to demolish the stacks.

THIS STATIONERY PRINTED ON PAPER MADE OF RECYCLED FIBERS

The former Asarco site resides in my district in El Paso. It is located in the middle of a 2 country, 3 state metropolitan area that is the home of approximately 1 million U.S. residents and a binational polulation of over 3 million people. The former lead and copper smelter that operated at the site was a large source of pollution into the air, water, and land of the El Paso area for decades. The former federal Public Health Service (PHS) worked with state partners to close the community of Smeltertown and relocate the residents to other parts of El Paso because of lead contamination in the soil and extremely high blood levels of lead in Smeltertown children. Later, U.S. EPA was involved in cleanup activities throughout a large portion of west and central El Paso because of heavy metal contamination from the smelter's air emissions into people's homes and yards, including many yards with high levels of arsenic and lead. U.S. EPA also undertook a number of enforcement actions against the smelter for violations of hazardous waste and other statutes during the smelter's many decades of operation.

It is imperative that the U.S. EPA continue federal engagement at the site and provide oversight to mission critical cleanup and closure activities until the site cleanup is completed. This includes oversight of the upcoming demolition of the chimneys. One of the reasons that active U.S. EPA engagement is required in the chimney demolition is because of the unique authorities and responsibilities given solely to U.S. EPA to protect public health from pollution that crosses state and international boundaries (*see for example: Clean Air Act 42 USC § 7415 (a)*) .

My goal is not to needlessly delay clean-up of the site. My goal is to ensure that the cleanup of the site, and in particular the demolition of the chimneys, protects the people of El Paso and surrounding areas and that all effective means to minimize off-site impacts are employed.

Specifically, I would appreciate your assistance with the following:

1. Review of the draft and final demolition plans

Attached to this letter is the draft demolition plan prepared by the site trust Project Navigator for the Texas Commission on Environmental Quality. Can you please assign appropriate technical staff to review and provide comments to the Trust and TCEQ on the draft and finalized plans, including the Appendices when those are ready, and can you provide a U.S. EPA point of contact that my staff can contact with questions?

2. Testing of chimney structure for hazardous materials.

Based on the draft demolition plan, it is unclear if the Trust has tested the chimneys for the presence of hazardous materials in or on the structural or insulation components of the stack. Can you review with the Trust their understanding of the possible presence of asbestos insulation, lead lining or other lead metal pieces, heavy metals that may have deposited on inner chimney surfaces, or other potentially hazardous materials in the chimney structure or insulation? Have they performed a thorough survey and chemical testing of the stack at multiple locations and at multiple depths to ensure a good understanding of its structure and chemical nature? If the chimney contains potentially hazardous materials like asbestos or heavy metals, have these been accounted for in the air modeling so that the airborne concentrations and the risk to nearby residents of these materials can be assessed?

3. Air modeling

The air modeling appendix is not yet included in the draft demolition plan. However, based on other statements in the draft, I am concerned about the scope of the modeling to be conducted. There are neighborhoods extremely close to the Asarco site, including El Paso residents on San Marcos Drive – less than 100 feet from smelter property, residents in the Franja Sara Lugo and Franja del Rio neighborhoods in Mexico to the immediate south of the stacks, and many residents and medical facilities in the areas around UTEP and Mesa Drive in El Paso. It is imperative that those residents and other close communities, including Anapra (New Mexico) and Anapra (Chihuahua), be considered and that potential concentrations of PM and hazardous substances be evaluated at those locations in the air modeling.

In addition, the draft demolition plan appears to indicate that the basis for comparison will be the National Ambient Air Quality Standards (NAAQS) for PM, and the TCEQ Effects Screening Level (ESL). Regarding the NAAQS, please ensure that the modeling evaluates concentrations of PM2.5 and PM10, as both forms are likely to be present in any demolition dust.

Regarding other pollutants, it is important that the modeling consider the full range of hazardous pollutants that may be present in the dust created by the demolition, and that appropriate and conservative health based standards for those pollutants not be exceeded in either the modeling or in the actual concentrations during demolition. The pollutants may include silica from the concrete and other building materials, heavy metals from large metal pieces within the stacks or from metal fumes that deposited onto or coated the inner surfaces of the stacks during decades of operation, heavy metal oxide dust from corroded metal pieces within the stacks, and insulation materials like foams, asbestos, or fiberglass. In addition, surface soil on the Asarco property could become airborne because of falling stack debris, so it is important to evaluate the potential airborne concentrations of known contaminants of the Asarco property like lead and arsenic from soil disturbance.

4. Post-demolition follow-up

Despite best efforts, it is possible for demolition of the chimneys to result in dust deposition on the surfaces of people's homes and property. In so far as this dust may contain silica, heavy metals, insulation materials, or other hazardous substances, it will be important to quickly clean affected properties to minimize exposure by people to the dust. Does the Trust have a post-demolition plan, through which residents or businesses that experience dust deposition from the demolition can have their property cleaned? Can this be made available to residents on both sides of the Rio Grande river who might be impacted?

5. Unique factors of the Asarco site in El Paso

The draft demolition plan includes a description of the qualifications of the chimney demolition subcontractor. Included in the qualifications is a list of several other industrial chimney demolitions and sports stadium demolitions that the subcontractor has conducted. However, the Asarco site in El Paso is different than those other locations. In contrast to the other industrial sites listed under the qualifications, which were generally located in very isolated areas across

the American Southwest, the Asarco site in El Paso is within a large metropolitan area, and the distance from the chimneys to residential property on either the U.S. or Mexican sides of the river is measured in feet, not miles. Secondly, unlike the demolition of sports arenas, the Asarco site was a heavy industrial facility that is known to have contaminated the site property with heavy metals and the chimneys may have heavy metal deposits on the inner surfaces.

It is important that dust abatement techniques at this site not be off-the-shelf plans based largely on what was appropriate in extremely isolated areas or what was appropriate for non-industrial sports arenas. The dust abatement techniques for Asarco should be based on the particular risks associated with conducting this kind of demolition at a location surrounded by residential areas, in the middle of 3 million people, and bounded by a major river that serves as a source of drinking water and irrigation for two nations.

I appreciate your assistance in this matter and I look forward to your response. I also appreciate all you do to protect the environment and public health of El Paso, the State of Texas, and the entire El Paso del Norte area. Please contact me if you have any questions, or your staff may contact Mr. Jeff Hild in my office at 202.225.4831 or jeff.hild@mail.house.gov.

Sincerely,

Beto O'Rourke
Member of Congress

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TEXAS 75202 – 2733

April 5, 2013

Office of the Regional Administrator

The Honorable Beto O'Rourke
House of Representatives
Washington, D.C. 20515

Dear Congressman O'Rourke:

Thank you for your letter of March 18, 2013, to the U.S. Environmental Protection Agency's Assistant Administrator for the Office of Solid Waste and Emergency Response Mathy Stanislaus and me regarding the demolition of the chimneys at the former ASARCO site in El Paso, Texas. I am responding since Texas falls within the jurisdiction of Region 6.

We understand and appreciate your desire and the community's to ensure any demolition action at ASARCO be undertaken with the utmost concern for human health and safety, and that it be an effective means of protecting human health and the environment in the future.

As you stated, the EPA has been actively involved in the cleanup process for many years. We believe that human health and safety concerns, both long- and short-term, regarding the planned demolition and disposal of debris are being addressed by the TCEQ and the Trustee. We have carefully reviewed your questions and address each point in the enclosure. We will continue to work closely with the TCEQ and Trustee to address any additional concerns as they arise.

I hope you will find the enclosed information helpful. If you have any questions, please contact me at (214) 665-2100, or your staff may contact Ms. Cynthia Fanning, Congressional Liaison, at (214) 665-2142.

Sincerely,

Ron Curry
Regional Administrator

Enclosure

Enclosure
Response to Congressman O'Rourke
U.S. Environmental Protection Agency, Region 6 -- April 2013

Question 1. Review of the draft and final demolition plans

Attached to this letter is the draft demolition plan prepared by the site trust Project Navigator for the Texas Commission on Environmental Quality. Can you please assign appropriate technical staff to review and provide comments to the Trust and TCEQ on the draft and finalized plans, including the Appendices when those are ready, and can you provide a U.S. EPA point of contact that my staff can contact with questions?

EPA Response. Since approximately 2010, EPA technical staff have reviewed and provided comments on draft work plans prepared by the Trustee. The draft demolition plan is being reviewed by Region 6 engineers with over 25 years of construction experience, including demolition of a smelter stack in a similar manner as proposed for the ASARCO site. EPA's comments will be provided to the TCEQ and the site Trustee. The point of contact for your staff in Region 6 is Ms. Cynthia Fanning, Congressional Liaison, at (214) 665-2142 or via email at fanning.cynthia@epa.gov.

Question 2. Testing of chimney structure for hazardous materials.

Based on the draft demolition plan, it is unclear if the Trust has tested the chimneys for the presence of hazardous materials in or on the structural or insulation components of the stack. Can you review with the Trust their understanding of the possible presence of asbestos insulation, lead lining or other lead metal pieces, heavy metals that may have deposited on inner chimney surfaces, or other potentially hazardous materials in the chimney structure or insulation? Have they performed a thorough survey and chemical testing of the stack at multiple locations and at multiple depths to ensure a good understanding of its structure and chemical nature? If the chimney contains potentially hazardous materials like asbestos or heavy metals have these been accounted for in the air modeling so that the airborne concentrations and the risk to nearby residents of these materials can be assessed?

EPA Response. To date the Trustee has collected six (6) concrete core samples from the 828-foot chimney (3 each from the inner and outer stacks) and 3 samples from the 612-foot chimney (which is a single stack). Each core was advanced through the entire width of the stack walls. Samples were collected at heights of 10, 50 and 100 feet above ground surface, levels at which people could safely reach with the coring equipment. Each sample was analyzed for Resource Conservation and Recovery Act metals, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), silica and other site specific chemicals of concern. Based on the EPA review of the sample laboratory results, contaminant concentration levels did not indicate any potential hazardous waste or potentially pose a material handling problem. However, further post demolition debris sampling will take place prior to disposal. The Trustee has also conducted an assessment survey to identify asbestos, fiberglass insulation and gross dust of the inner and outer stacks of the 828-foot chimney and the 612-foot chimney. To date, the Trustee has removed all asbestos and fiberglass insulation from both chimneys and gross dust from the bottom of the 828-foot chimney. For the 612-foot chimney, all soils and dust have been removed from its base and no asbestos or fiberglass insulation was identified. An accumulation of hardened/encrusted material has been identified on the inside surface of the 612 foot chimney, in the lower 100 feet. The hardened/encrusted material is currently being removed and the interior surface of the chimney will be pressured washed prior to demolition.

Question 3. Air modeling

The air modeling appendix is not yet included in the draft demolition plan. However, based on other statements in the draft, I am concerned about the scope of the modeling to be conducted. There are neighborhoods extremely close to the Asarco site, including El Paso residents on San Marcos Drive - less than 1000 feet from smelter property, residents in the Franja Sara Lugo and Franja del Rio neighborhoods in Mexico to the immediate south of the stacks, and many residents and medical facilities in the areas around UTEP and Mesa Drive in El Paso. It is imperative that those residents and other close communities, including Anapra (New Mexico) and Anapra (Chihuahua), be considered and that potential concentrations of PM and hazardous substances be evaluated at those locations in the air modeling.

In addition, the draft demolition plan appears to indicate that the basis for comparison will be the National Ambient Air Quality Standards (NAAQS) for PM, and the TCEQ Effects Screening Level (ESL). Regarding the NAAQS, please ensure that the modeling evaluates concentrations of PM2.5 and PM 10, as both forms are likely to be present in any demolition dust.

Regarding other pollutants, it is important that the modeling consider the full range of hazardous pollutants that may be present in the dust created by the demolition, and that appropriate and conservative health based standards for those pollutants not be exceeded in either the modeling or in the actual concentrations during demolition. The pollutants may include silica from the concrete and other building materials, heavy metals from large metal pieces within the stacks or from metal fumes that deposited onto or coated the inner surfaces of the stacks during decades of operation, heavy metal oxide dust from corroded metal pieces within the stacks, and insulation materials like foams, asbestos, or fiberglass. In addition, surface soil on the Asarco property could become airborne because of falling stack debris, so it is important to evaluate the potential airborne concentrations of known contaminants of the Asarco property like lead and arsenic from soil disturbance.

EPA Response. The EPA has reviewed the air modeling plan and the locations of the air monitoring stations. The Trustee is using site specific data from the stack core samples for the site air modeling and results do not indicate that NAAQS (neither PM2.5 nor PM10) or TCEQ's ESL will be exceeded at the site boundary. An on-site dust monitoring network is in place and eight (8) additional locations will be added on-site and near residential areas for the stack demolition event for a total of sixteen (16) stations and an onsite meteorological station. Several redundant dust control measures are being implemented before and during the blast event to reduce the potential for dust generation during the blast. As discussed above in Response 2, both chimneys have had asbestos and fiberglass insulation materials removed where found. Prior to demolition both chimneys will have all soil and dust removed. Data is available on the Trustee's website at http://www.recastingthesmelter.com/.

To prevent disturbance of site surface soils, a three part ground cover dust control system will be installed in the target fall zone that consists of a geotextile liner on top of the existing site soil, placing one foot of imported clean soil fill on top of the geotextile liner and spraying a soil binder on top of the imported soil fill. The soil binder is similar to material used by the US military to reduce dust at helicopter landing zones. Before and while the chimneys are falling, a water mist dust control system will be installed consisting of a minimum of 18 water cannons that each applies approximately140 gallons of water per minute for a distance of approximately 300 feet. This "mist curtain" is designed to reduce the amount of fine particulates that enter the atmosphere.

Question 4. Post-demolition follow-up

Despite best efforts, it is possible for demolition of the chimneys to result in dust deposition on the surfaces of people's homes and property. In so far as this dust may contain silica, heavy metals, insulation materials, or other hazardous substances, it will be important to quickly clean affected properties to minimize exposure by people to the dust. Does the Trust have a post demolition plan, through which residents or businesses that experience dust deposition from the demolition can have their property cleaned? Can this be made available to residents on both sides of the Rio Grande River who might be impacted?

EPA Response. Prior to the event, the Trustee will conduct a pre-blast survey of the area immediately surrounding the site. After the demolition and in the event that any areas are impacted by debris and/or dust deposition, the Trustee will have cleanup crews on standby to implement debris and/or dust removal activities deemed necessary during the post demolition activities.

5. Unique factors of the Asarco site in El Paso

The draft demolition plan includes a description of the qualifications of the chimney demolition subcontractor. Included in the qualifications is a list of several other industrial chimney demolitions and sports stadium demolitions that the subcontractor has conducted. However, the Asarco site in El Paso is different than those other locations. In contrast to the other industrial sites listed under the qualifications, which were generally located in very isolated areas across the American Southwest, the Asarco site in El Paso is within a large metropolitan area, and the distance from the chimneys to residential property on either the U.S. or Mexican sides of the river is measured in feet, not miles. Secondly, unlike the demolition of sports arenas, the Asarco site was a heavy industrial facility that is known to have contaminated the site property with heavy metals and the chimneys may have heavy metal deposits on the inner surfaces.

It is important that dust abatement techniques at this site not be off-the-shelf plans based largely on what was appropriate in extremely isolated areas or what was appropriate for non-industrial sports arenas. The dust abatement techniques for Asarco should be based on the particular risks associated with conducting this kind of demolition at a location surrounded by residential areas, in the middle of 3 million people, and bounded by a major river that serves as a source of drinking water and irrigation for two nations.

EPA Response. The Trustee's contractors working on the demolition activities have experience in the demolition of smelter stacks, buildings and a large stadium near residential areas. Due to the location of the ASARCO chimneys, unique measures are being taken to control dust emission from the site. Measures are also being taken to ensure that contaminated site soils are not disturbed, as discussed in Response 3, and that dust resulting from the demolition is contained on-site using dust suppression techniques.

BETO O'ROURKE
16TH DISTRICT, TEXAS

COMMITTEE ON
HOMELAND SECURITY

COMMITTEE ON
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November 26, 2014

Ron Curry
Regional Administrator
Environment Protection Agency, Region 6
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202

Dear Mr. Curry:

I am writing to ask that you consider the attached proposal for the use of potential remaining funds from the environmental custodial trust for the ASARCO facility in El Paso, Texas to provide financial assistance to former ASARCO workers currently experiencing health-related issues.

In 2009, after the Chapter 11 bankruptcy agreement, ASARCO agreed to pay $1.79 billion to fund environmental cleanup and settle claims at 80 sites, including in El Paso, Texas. The United States Bankruptcy Court for the Southern District of Texas approved settlement agreements and placed roughly $52 million in an environmental custodial trust for the remedial cleanup efforts for the ASARCO facility in El Paso. The Texas Commission on Environmental Quality (TCEQ) and U.S. Environment Protection Agency (EPA) serve as beneficiaries of the trust, and the cleanup of ASARCO is expected to be completed by the end of 2015.

The trust is anticipated to use all of the funds from the settlement agreement, in addition to monies received from assets found on the property, to complete the environmental remediation of ASARCO. From my understanding, once the property is sold, any proceeds from the sale of the property would be in excess and considered remaining funds.

As TCEQ and EPA explore potential options to use these remaining funds, I request that TCEQ and EPA consider providing assistance to former ASARCO workers who are now experiencing health problems from their exposure to various chemicals from their work at ASARCO. With over 100 years of operation in El Paso, ASARCO has had a long record of violating environmental regulations, contaminating the surrounding community, and threatening public health.

THIS STATIONERY PRINTED ON PAPER MADE OF RECYCLED FIBERS

In 2013, the United Steelworkers (USW) conducted a mapping session to better understand the location where former workers within the facility worked and current illnesses they are now experiencing since the facility's closure. This mapping session demonstrated that:
36 participants suffered from skin rashes; 18 have been diagnosed with cancer; and 18 have developed growths on their body, among other serious health conditions.

The 75 former ASARCO workers are only a small portion of a larger population of former workers that may be experiencing similar health-related issues. The USW estimates this number at roughly 300 individuals. One would expect to see a significant increase in the number of former workers suffering from health-related issues if all 300 were to have participated in the mapping session.

We must consider the uniqueness of the health-related issues identified in the mapping session in relation to the ASARCO bankruptcy case. Bankruptcy Court documents indicate that there was a 2006 deadline to file a claim against ASARCO; yet, due to the nature of their illnesses, some portion of the former workers did not begin to exhibit any signs of illness until after 2006. As a result, these former workers would not have had any reasons to consider themselves a formal creditor and thus file a claim against ASARCO until well after the 2006 deadline had passed. This would effectively deny former workers their due process rights that others associated with the bankruptcy case prior to the 2006 deadline have clearly enjoyed.

My office's interest in the case of the former ASARCO workers comes from one of fairness and judicial integrity. The former workers who are only now experiencing serious health conditions years after they have stopped working at ASARCO deserve an opportunity to have some form of assistance for the injustices they have faced.

I am hopeful that TCEQ and EPA will fully consider all options when determining the use of funds, including my proposal. An outline of my proposal is attached for your review.

Sincerely,

Beto O'Rourke.

Beto O'Rourke
Member of Congress

Proposal Intent:
The intent of the proposal is to provide assistance to former workers with ongoing medical conditions related to working at the ASARCO facility in El Paso, Texas. The plan can include but is not limited to the following conditions:

- Eligibility:
  - Eligible former workers are limited to people that are currently living.
  - Former workers must have experienced health-related issues after the deadline date to file a proof of claim with the Bankruptcy Court in 2006.
  - This excludes people who have filed a claim with the Bankruptcy Court.

- Documentation:
  - Must submit medical records of existing health conditions occurring after 2006.
  - Must provide proof of documentation of Asarco employment.
  - Must provide a summary of job responsibilities while employed at ASARCO.

- Identification of Funding:
  - Funds will be used from the proceeds from the sale of the property.

- Adjudication of claims:
  - The EPA, TCEQ and/or a 3rd party can adjudicate the claims.
  - The adjudicator would rank the severity of the health-related issue based on criteria developed in coordination with medical professionals

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
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DALLAS, TEXAS 75202 – 2733

Office of the Regional Administrator

February 19, 2015

The Honorable Beto O'Rourke
House of Representatives
Washington, D.C. 20515

Dear Congressman O'Rourke:

Thank you for your letter of November 26, 2014, to the U.S. Environmental Protection Agency regarding the use of the remaining funds from the environmental custodial trust for the ASARCO facility in El Paso, Texas.

The ASARCO Texas Custodial Trust Agreement specifically addresses both funds remaining after the $52,080,000.00 payment made into the Trust by ASARCO and any potential funds remaining from the sale of the remediated El Paso facility. The Agreement requires that any funds remaining from the initial payment will go to other environmental custodial trust accounts established in the ASARCO bankruptcy.

The Trustee is likely to propose that the proceeds from the sale of the property will fund additional environmental actions at the site, including regular maintenance and contingencies. In the event there are excess funds, the Agreement requires that remaining funds from the proceeds of sale of the property, after completion of all final actions pursuant to the objectives of the trust, go to the Reorganized Debtors for the payment of taxes and to remaining creditors.

If you have any questions, please contact me at (214) 665-2100, or your staff may contact Mr. Austin Vela, Congressional Liaison, at (214) 665-9792.

Sincerely,

Ron Curry
Regional Administrator

This paper is printed with vegetable-oil-based inks and is 100-percent postconsumer recycled material, chlorine-free-processed and recyclable.