Final Phase II Environmental Site Assessment Report
Targeted Brownfields Assessment
Brownfields Site B
Former Landfill Parcels
907 North Airport Drive
Weslaco, Texas

Prepared for

U.S. Environmental Protection Agency
Region 6
1445 Ross Avenue
Dallas, Texas 75202-2733

Prepared by

ARGO Systems, LLC
1403 Madison Park Drive, Suite 205
Glen Burnie, Maryland 21061
410-768-2444

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30 November 2009

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30 November 2009

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1. LIST OF ACRONYMS AND ABBREVIATIONS

ACM	Asbestos Containing Material
ARGO	ARGO Systems LLC
bgs	Below Ground Surface
°C	Degrees Celsius
c-o-c	Chain-of-Custody
Dig-TESS	Texas Excavation Safety System
DPT	Direct Push Technology
EA	EA Engineering, Science, and Technology, Inc.
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
FSWP	Field Sampling Work Plan
ft	Foot/Feet
ID	Identification
IDW	Investigative Derived Waste
MCL	Maximum Contaminant Level
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NVLAP	National Voluntary Laboratory Accreditation Program
PCL	Protective Concentration Levels
PLM	Polarized Light Microscopy
PVC	Polyvinyl Chloride
PPE	Personal Protective Equipment
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
RBC	Risk-Based Concentrations
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
RSL	Regional Screening Levels
SVOCs	Semivolatile Organic Compound(s)
TBA	Targeted Brownfield Assessment
TCEQ	Texas Commission on Environmental Quality
TCL	Target Compound List
TOC	Total Organic Carbon
TPH	Total Petroleum Hydrocarbons
TRRP	Texas Risk Reduction Program
USCS	Unified Soil Classification System
USDA	United States Department of Agriculture
USGS	U.S. Geological Survey
VOCs	Volatile Organic Compound(s)

2. EXECUTIVE SUMMARY

The U.S. Environmental Protection Agency (EPA) contracted with ARGO Systems LLC (ARGO) to conduct a Phase II Environmental Site Assessment (ESA) for the Targeted Brownfields Assessment (TBA) Site associated with the former landfill parcels located at 907 North Airport Drive (the "subject site") located in Weslaco, Texas 78596. Site photographs taken during the Phase II ESA are included in **Appendix A**. **Figure 1 (Appendix B)** illustrates the location of these properties. The subject site consists of two separate parcels of undeveloped land, which are separated by former wastewater treatment lagoons associated with the City of Weslaco's wastewater treatment plant. As shown in **Figure 2 (Appendix B)**, the two landfill parcels are surrounded by improvements associated with the City of Weslaco's Wastewater Treatment Plant and Mid Valley Airport.

Based on available information gathered during a previous Phase I Environmental Site Assessment (ESA) conducted by EA Engineering, Science, and Technology, Inc. (EA) in March 2009, the subject site appears to have been historically used for agricultural purposes until the 1960's/1970's, and then for landfill purposes by the City of Weslaco, Texas. Available regulatory records pertaining to the status history of landfill operations are limited, as are the dates that the landfill operations occurred at these properties.

The statement of work indicates the north and south landfill parcels are approximately eight acres and five acres in size, respectively. However, based on user-supplied information and the site investigations, the area of concern within the south parcel appears to be closer to four acres in size. Both land parcels making up the subject site are roughly rectangular in shape and currently undeveloped with no buildings and/or other related site improvements. A storm water diversion channel was noted along the north portion of the south landfill parcel during the March 2009 Phase I ESA. However, since that time, dirt work and construction activities have been occurring in association with the improvement/construction of retention ponds formerly occupied by unused wastewater treatment lagoons. These construction activities have also resulted in the filling of the drainage channel segment situated west of the subject site, which has cut off storm water drainage that once flowed through this area. At the time of this investigation, there are no other improvements associated with the south landfill parcel.

The north land parcel also remained undeveloped, except for a gravel road that passes along the south side of the parcel and then turns northward into the west portion of this property. This road is utilized by the City of Weslaco for periodic stockpiling and spreading of materials generated from street cleaning operations. Dumping of material from street sweeping operations was observed while the field investigation was occurring. Since the Phase I ESA was conducted,

much of the stockpiled material had been graded flat, with only three main stockpile areas observed at the time of the Phase II field investigation. The remainder of the north parcel appeared unused and covered with tall grass and scattered, small trees.

A prior Phase I ESA of the subject site was performed under this same TBA Task Order in March 2009. This Phase I ESA, which was performed by ARGO with EA Engineering, Science, and Technology, Inc. (EA), as a teaming partner, identified the following five recognized environmental conditions (RECs): 1) The potential for ground water impact associated with shallow ground water leaching contaminants from refuse buried within the land parcels; 2) The potential for storm water to leach potential contaminants from refuse/impacted landfill soil excavated and placed along the south side of the drainage feature situated with the south land parcel; 3) Sediment loading of storm water associated with the south parcel's drainage feature due to the excavated soil being unstable and prone to erosion in its present condition with no form of sediment control; 4) Uncontrolled stockpiling of soil/debris on the west portion of the north land parcel without tracking where this material is originating, and without confirmation that it is not impacted; and, 5) The presence of the abandoned water pipe, which appears to be constructed of asbestos-cement.

Based on the historical land use of the area, it is possible that environmental impacts to the soil and ground water may exist. Although ground water is not used for consumption in the area, it may possibly used for the irrigation of food crops such as citrus, and vegetables. However, no food crops were identified within a one mile radius. It is ARGO's understanding that future use of the subject site will remain commercial/industrial.

Data collected during advancement of the soil borings, the two sites were confirmed to have been historically used for disposal of refuse, as verified by the presence of landfill debris in most of the areas assessed. The only soil borings that did not encounter landfill debris included G-2, situated adjacent to the south landfill parcel and G-4, B-8, and B-9, situated adjacent to the north landfill parcel.

Media sampled as part of this assessment included four ground water samples, one landfill leachate sample, five landfill gas samples, three soil stockpile samples, and three samples of the abandoned water pipe situated on the east portion of the south landfill parcel. The ground water, landfill leachate, and soil stockpile samples were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), total petroleum hydrocarbons (TPH), organochlorine pesticides, herbicides, and Resource Conservation Recovery Act (RCRA) metals (w/ mercury). The landfill leachate sample was also analyzed for total organic carbon (TOC)

and pH. Ground water collected from G-1 (south landfill parcel) could not be analyzed for herbicides due to the low ground water yield associate with this well.

EPA maximum contaminant levels (MCLs), applicable Regional Screening Levels (RSLs), and , Texas Commission on Environmental Quality (TCEQ) Texas Risk Reduction Program (TRRP) protective concentration levels (PCLs) were used to evaluate laboratory data collected as part of this assessment. Based on the analytical results, VOC, SVOC, TPH and organochlorine, and herbicide impact appears to be minimal at both landfill parcels. Review of analytical results for metals indicates barium associated with the north landfill parcel leachate sample exceeded applicable regulatory screening criteria used to evaluate the data collected for this assessment. Elevated barium may be attributable to past disposal of barium-containing waste streams at the landfill site.

Review of the metals data also indicates there is a trend where arsenic and lead often times exceeded applicable regulatory screening criteria used to evaluate the data. This condition was noted for the ground water collected from both landfill parcels, and for the landfill leachate sample collected from the north landfill parcel. A Phase II ESA was performed for the City of Weslaco Former Public Works Facility in conjunction with this investigation, and analytical data for surface soil, subsurface soil, and ground water samples collected from this other site also displayed the same pattern of arsenic and lead exceeding all/part of the applicable regulatory screening used to evaluate the data. This situation, coupled with the USGS metal concentration for Hidalgo County, suggests that in most cases, the elevated arsenic and lead concentrations may be attributable to background conditions for the area.

It should also be noted that the elevated arsenic and lead seen in the ground water and landfill leachate samples may be due to the methodology used to collect and analyze the samples. Small diameter, temporary wells were used to collect the ground water samples. Although these wells were developed to the extent possible prior to sampling, the temporary nature of these wells may have created a situation where all the fines (e.g., suspended silt/clay particles) could not be removed prior to sampling.

Total metals in ground water and leachate were scoped and analyzed for this assessment, and as a result, these media were not filtered prior to preservation. If suspended fines containing elevated, naturally-occurring arsenic and lead became entrained in these samples, these metals could have been leached from the suspended fines into the ground water/leachate when the sample was preserved and digested for extraction. This situation may have resulted in the consistently elevated arsenic and lead concentrations detected in these samples.

Review of analytical data for the landfill gas samples indicates methane generation/accumulation has occurred within the vicinity of B-4, which could represent an explosion hazard. Methane was reported at a concentration of 10% v/v, which falls between the methane lower explosive limit (LEL) of 5.5% and the methane upper explosive limit (UEL) of 15%. Carbon dioxide generation/accumulation has also occurred at the north landfill parcel, while oxygen concentrations are lower when compared to atmospheric concentrations.

Samples were collected from the abandoned water pipe situated on the east portion of the south landfill parcel. These samples were analyzed to confirm the presence/absence of asbestos. All three of these samples tested positive for asbestos.

Based on the data collected as part of this Phase II ESA, removal of the asbestos-containing abandoned water pipe (south landfill parcel) is warranted. Additional assessment activities are also recommended, which include fully characterizing the nature and extent of the landfill debris at both sites, performing an arsenic and lead background study for subsurface soil and ground water, and performance of a landfill gas assessment to quantify the extent of landfill gas (e.g., methane) associated with the north landfill parcel. This latter investigation could also be used as a means of better characterizing the lateral extent of the north landfill footprint.

If future development should occur at the properties, a geotechnical assessment may also be necessary based on the type of planned site improvements. It should be noted that the presence of landfill gases may also limit the suitability of constructing buildings and/or other structures prone to methane and/or other landfill gas accumulation.

3. INTRODUCTION

The Environmental Protection Agency (EPA) contracted with ARGO Systems, LLC (ARGO) to conduct a Phase II Environmental Site Assessment (ESA) at the 907 North Airport Drive property located in Weslaco, Texas. EA Engineering, Science, and Technology, Inc. (EA), a team member with ARGO on the EPA contract, conducted the field investigation and report preparation for the Phase II ESA.

3.1 PURPOSE AND SCOPE

The purpose of this report is to summarize the Phase II ESA findings, and also comprehensively evaluate findings of the soil stockpile, ground water, landfill leachate, landfill gas, asbestos containing material (ACM) and subsurface condition studies performed at the subject site. This evaluation was performed to compile a document that provides an assessment of the nature and extent of site impacts, and to provide a format that compares these impacts to applicable EPAMCLs, RSLs, and TCEQ TRRP PCLs.

Field activities were conducted on 10-15 August 2009. This Phase II ESA report provides a detailed account of the data obtained during this investigation.

3.2 BACKGROUND

3.2.1 SITE DESCRIPTION AND LOCATION

The subject site is located at 907 North Airport Drive and consists of two land parcels that are both roughly rectangular in shape. The statement of work indicates that the north and south parcels are approximately eight acres and five acres in size, respectively. However, based on user-supplied information and the site investigation, the area of concern within the south parcel appears to be closer to four acres in size, and based on shallow hand auger borings and observation of surficial debris, extends further west than previously indicated in the user supplied information. The approximate boundaries of this additional area associated with the south landfill parcel are illustrated on **Figure 3 (Appendix B).**

The two parcels were reportedly utilized for landfill purposes historically and were assigned Landfill Identification numbers by the TCEQ. The north parcel is identified by the TCEQ as Parcel Number 1661. The south parcel is identified by TCEQ as Parcel Number 1123.

Both parcels are situated along the west side of North Airport Drive, immediately north and south of a property that, at the time of the Phase I ESA, contained unused lagoons associated with the City of Weslaco's Wastewater Treatment Plant (during the Phase II site investigation,

construction of new retention ponds was noted on this adjacent property). Both subject land parcel boundaries were not clearly marked with property lines at the time of the investigation**.** The subject site has a flat terrain and is approximately 68 ft. above mean sea level (msl). The subject site location is illustrated on **Figure 1 (Appendix B)** and the approximate boundaries of the two landfill parcels making up the subject site are shown on **Figure 2 (Appendix B)**.

As also shown in **Figure 2 (Appendix B)**, the subject site is located in an area developed primarily with improvements associated with the City of Weslaco's Wastewater Treatment Plant, with development associated with Mid Valley Airport being situated east of the two land parcels. The area where the two parcels are situated is restricted to the public, and can only be accessed by way of roads equipped with security gates leading into the airport property, or the wastewater treatment plant property. According to information provided by the City of Weslaco, both land parcels making up the subject site are zoned for industrial use.

3.2.2 SITE HISTORY

In March 2009, a Phase I ESA was performed for the property (EA 2009). Based on information gathered during this prior investigation and interviews with City of Weslaco personnel, the two land parcels making up the subject site were unimproved agricultural land prior to their use as landfills, the latter of which reportedly occurred beginning in the late 1960's to early 1970's. At the time of the Phase I and Phase II ESAs, the two parcels making up the subject site were unoccupied and contained no buildings or other associated structures.

3.2.3 PREVIOUS INVESTIGATIONS

As discussed in the previous section, a Phase I ESA was conducted for the property and it identified the following recognized environmental conditions (RECs):

- The potential for ground water impact associated with shallow ground water leaching contaminants from refuse buried within the land parcels;
- The potential for storm water to leach potential contaminants from refuse/impacted landfill soil excavated and placed along the south side of the drainage feature situated with the south land parcel;
- Sediment loading of storm water associated with the south parcel's drainage feature due to the excavated soil being unstable and prone to erosion in its present condition with no form of sediment control;

- Uncontrolled stockpiling of soil/debris on the west portion of the north land parcel without tracking where this material is originating, and confirmation that it is not impacted; and,
- The presence of the abandoned water pipe, which appears to be constructed of asbestos-cement.

Based on these findings, the following conclusions and associated recommendations were presented in the Phase I ESA:

- Based on the RECs identified, additional Phase II investigation is recommended;
- The assessment should include installation of monitoring wells and collection of soil and ground water samples to determine if subsurface impact has occurred at the site in response to historic landfill conditions and/or due to nearby properties; and
- The water pipe should be sampled to confirm whether or not it is constructed of material containing asbestos.
- Representative soil samples should be collected from the different stockpiled materials situated on the west portion of the north parcel as means of screening these materials for possible contaminants.

3.2.4 GEOLOGY AND HYDROGEOLOGY SETTING

Both parcels are located on the United States Geological Survey (USGS) Mercedes, Texas 7.5 minute topographic quadrangle map, as shown on **Figure 1 (Appendix B)**. Both parcels making up the subject site are relatively flat with an elevation of approximately 68 feet above mean sea level. The nearest permanent surface water features as noted on the topographic map are the two lagoons situated west of the land parcels. The north boundary of the south land parcel contains a drainage channel originally designed to capture storm runoff. This channel is situated along the south perimeter of the unused south lagoon, and at one time merged into a drainage channel that runs along the west side of both unused lagoons. However, recent construction activities associated with the unused lagoons has resulted in the infilling of a segment of this drainage situated west of the south landfill parcel.

Review of the Geologic Atlas of Texas, McAllen-Brownsville Sheet, published by the Bureau of Economic Geology (1976), indicates the subject site is underlain by Holocene-age stabilized sand dune deposits. This unit is described as being hummocky, and locally becoming fresh-water marsh during the wet season, with well-stabilized sand dunes with dense live-oak mottles

and scrub. This unit has moderate to very high permeability, low to moderate water-holding capacity, low compressibility, low shrink-swell potential, good to fair drainage, high shear strength, low plasticity, and possess a shallow water table.

Review of the United States Department of Agriculture (USDA) Soil Survey of Hidalgo County, Texas, dated 1981, indicates that the majority of the subject site is located in an area classified as the Hidalgo sandy clay loam, saline, 0 to 1 percent slopes on both land parcels. This soil unit consists of deep, nearly level saline soil on convex uplands. Typically the surface layer is saline, dark grayish brown sandy clay loam about 15 inches thick. The next layer, from 15 to 25 inches, is saline brown sandy clay loam. The next layer, from 25 to 36 inches, is saline, pale brown loam. The layer extending from 36 to 65 inches is saline, very pale brown sandy clay loam. The soil is calcareous throughout.

This soil is well drained, surface runoff is slow, permeability is moderate, and available water capacity is low. The soil is moderately to strongly saline as a result of over-irrigation and evaporation of slightly saline water. A high water table that is saline occurs at depth ranging from 1.5 to 4.5 below ground surface (BGS). It possesses a high risk of corrosion to uncoated steel.

4. FIELD ACTIVITIES AND METHODOLOGY

Field activities conducted as part of this investigation were performed in accordance with the Quality Assurance Project Plan and Field Sampling Work Plan (QAPP/FSWP) prepared July 2009 (ARGO 2009). Where actual field work deviated from the QAPP/FSWP, the activities and rationale are noted in this section.

Prior to mobilizing, EA arranged with the Texas Excavation Safety System (Dig-Tess) to mark known underground utilities at the subject site and surrounding properties. This minimized the possibility of encountering utilities during intrusive sampling at the subject site.

4.1 SUBSURFACE ASSESSMENT ACTIVITIES

EA mobilized to the field on 10 August 2009 to advance soil borings and collect ground water, landfill leachate, landfill gas, and soil stockpile samples for characterization of the subject site.

ARGO contracted with Vortex Drilling, which, with oversight by an EA geologist, advanced a total of 11 soil borings at the north landfill parcel, and five soil borings at the south landfill parcel. These borings were advanced by way of direct push technology (DPT) utilizing a track mounted Geoprobe® 6620 using a 2-inch diameter, 60-inch long Geoprobe® macro core sampler, fitted with disposable acetate liners for soil core collection.

The DPT boring locations are illustrated on **Figure 3 (Appendix B)**. Per the July 2009 QAPP/SAP, borings B-1 through B-12 were installed at these locations in order to be representative of a one-acre grid system established for each of the landfill parcels, while boring locations for borings G-1 through G-4 were originally proposed/intended for use as temporary ground water monitoring wells. Based on a change in site conditions, boring G-3 was converted into a temporary landfill leachate well due to encountering landfill debris at this location. In addition, boring B-9 was converted into a temporary ground water monitor well due to it being outside the footprint of landfill debris.

Subsurface soil samples were not collected for laboratory analyses as part of this assessment. However, soil cores were collected to the total depth of each borehole in order to visually examine these soil cores in the field, note the depths/locations of fill, landfill debris, and native soil, and describe the soil according to the Unified Soil Classification System (USCS). Soil moisture content and other pertinent observations were also logged by the field geologist. Also, at this time a small amount of soil, representative of specified intervals, was placed into a quart sized Ziploc® bag, sealed and allowed to volatilize for organic vapor monitor (OVM)

measurements. Soil boring logs are included in **Appendix E**. The findings of the subsurface assessment are discussed in other applicable sections of this document.

Table 1 provides an overview of the sample locations where ground water, landfill leachate, landfill gas, stockpiled soil, and the abandoned water pipe samples were collected, and the associated analyses for these samples. Discussion relating to the sampling of these various media is presented in greater detail within subsequent sections of this document.

Table 1: Description of Soil Boring, Ground Water, Landfill Leachate, and Landfill Gas Sample Locations for Former Landfill Parcels

Site	Media Sampled	Constituents	Comment
North Landfill Parcel			
B-1	Soil boring location for subsurface assessment.	No laboratory analyses associated with boring location.	Landfill debris encountered; boring left open-hole and gauged for leachate accumulation; no leachate accumulation at locality.
B-2	Soil Boring Location for subsurface assessment; landfill gas sample collected from location.	Landfill Gas: methane, carbon dioxide, nitrogen, and oxygen by ASTM Method 1946-90.	Landfill debris encountered; boring converted into a temporary landfill well to be used for landfill gas and/or landfill leachate sample collection. No landfill leachate accumulation occurred at locality.
B-3	Soil boring location for subsurface assessment.	No laboratory analyses associated with boring location.	Landfill debris encountered; boring converted into a temporary landfill well to be used for landfill gas and/or landfill leachate sample collection. No landfill leachate accumulation occurred at locality.
B-4	Soil Boring Location for subsurface assessment; landfill gas sample collected from location.	Landfill Gas: methane, carbon dioxide, nitrogen, and oxygen by ASTM Method 1946-90.	Landfill debris encountered; boring converted into a temporary landfill well to be used for landfill gas and/or landfill leachate sample collection. No landfill leachate accumulation occurred at locality.
B-5	Soil boring location for subsurface assessment.	No laboratory analyses associated with boring location.	Landfill debris encountered; boring converted into a temporary landfill well to be used for landfill gas and/or landfill leachate sample collection. No landfill leachate accumulation occurred at locality.
B-6	Soil Boring Location for subsurface assessment; landfill gas sample collected from location.	Landfill Gas: methane, carbon dioxide, nitrogen, and oxygen by ASTM Method 1946-90.	Landfill debris encountered; boring converted into a temporary landfill well to be used for landfill gas and/or landfill leachate sample collection. No landfill leachate accumulation occurred at locality.
B-7	Soil boring location for subsurface assessment.	No laboratory analyses associated with boring location.	Only minor landfill debris (0.5 ft) encountered at location; boring plugged and abandoned following completion.

Table 1 (continued): Description of Soil Boring, Ground Water, Landfill Leachate, and Landfill Gas Sample Locations for Former Landfill Parcels

Site	Media Sampled	Constituents	Comment
North Landfill Parcel			
B-8	Soil boring location for subsurface assessment.	No laboratory analyses associated with boring location.	No landfill debris encountered at location; boring plugged and abandoned following completion.
B-9	Soil boring location for subsurface assessment; ground water sample collected from location.	Ground Water: VOCs, SVOCs, TPH; metals, pesticides, herbicides	No landfill debris encountered at location; boring was converted into a temporary monitoring well and a ground water sample was collected for laboratory analyses
G-3	Soil boring location for subsurface assessment; landfill leachate sample collected from location.	Landfill Leachate: VOCs, SVOCs, TPH, metals, pesticides, herbicides, TOC, pH	Landfill debris encountered; boring converted into a temporary landfill well to be used for landfill gas and/or landfill leachate sample collection. Landfill leachate accumulation occurred and was sampled for laboratory analyses.
G-4	Soil boring location for subsurface assessment; ground water sample collected from location.	Ground Water: VOCs, SVOCs, TPH; metals, pesticides, herbicides	No landfill debris encountered at location; boring was converted into a temporary monitoring well and a ground water sample was collected for laboratory analyses
LF-Central Stockpile	Stockpiled Soil	Soil: VOCs, SVOCs, TPH; metals, pesticides, herbicides	Soil sample collected from soil stockpiled on west portion of north landfill parcel
LF-West Stockpile	Stockpiled Soil	Soil: VOCs, SVOCs, TPH; metals, pesticides, herbicides	Soil sample collected from soil stockpiled on west portion of north landfill parcel
LF-North Stockpile	Stockpiled Soil	Soil: VOCs, SVOCs, TPH; metals, pesticides, herbicides	Soil sample collected from soil stockpiled on west portion of north landfill parcel
South Landfill Parcel			
B-10	Soil Boring Location for subsurface assessment; landfill gas sample collected from location.	Landfill Gas: methane, carbon dioxide, nitrogen, and oxygen by ASTM Method 1946-90.	Surficial landfill debris encountered; boring converted into a temporary landfill well to be used for landfill gas and/or landfill leachate sample collection. No landfill leachate accumulation occurred at locality.
B-11	Soil boring location for subsurface assessment.	No laboratory analyses associated with boring location.	Surficial landfill debris encountered; boring converted into a temporary landfill well to be used for landfill gas and/or landfill leachate sample collection. No landfill leachate accumulation occurred at locality.

Table 1 (continued): Description of Soil Boring, Ground Water, Landfill Leachate, and Landfill Gas Sample Locations for Former Landfill Parcel

Site	Media Sampled	Constituents	Comment
South Landfill Parcel			
B-12	Soil Boring Location for subsurface assessment; landfill gas sample collected from location.	Landfill Gas: methane, carbon dioxide, nitrogen, and oxygen by ASTM Method 1946-90.	Surficial landfill debris encountered; boring converted into a temporary landfill well to be used for landfill gas and/or landfill leachate sample collection. No landfill leachate accumulation occurred at locality.
G-1	Soil boring location for subsurface assessment; ground water sample collected from location.	Ground Water: VOCs, SVOCs, TPH; metals, pesticides	Surficial landfill debris encountered at location; boring was converted into a temporary monitoring well and a ground water sample was collected for laboratory analyses; due to slow yield of well, three days were required to sample well; herbicide analyses could not be performed due to low well yield not allowing sufficient volume of ground water for analyses.
G-2	Soil boring location for subsurface assessment; ground water sample collected from location.	Ground Water: VOCs, SVOCs, TPH; metals, pesticides, herbicides	No landfill debris encountered at location; boring was converted into a temporary monitoring well and a ground water sample was collected for laboratory analyses
133	Abandoned water pipe sample	ACM: Polarized Light Microscopy (PLM) coupled with Dispersion Staining in accordance with the EPA method outlined in 40 CFR Part 763, Subpart F, Appendix A	Abandoned water pipe sample located on east portion of south landfill parcel
134	Abandoned water pipe sample	ACM: PLM coupled with Dispersion Staining in accordance with the EPA method outlined in 40 CFR Part 763, Subpart F, Appendix A	Abandoned water pipe sample located on east portion of south landfill parcel
135	Abandoned water pipe sample	ACM: PLM coupled with Dispersion Staining in accordance with the EPA method outlined in 40 CFR Part 763, Subpart F, Appendix A	Abandoned water pipe sample located on east portion of south landfill parcel

4.1.1 SAMPLE DESIGNATION SYSTEM

4.1.1.1 SAMPLE DESIGNATIONS FOR GROUND WATER

The sample designation used for ground water samples consists of the project name, sample matrix, and sample number (e.g., boring location). The following table presents a guide for sample identification used where “LF” represents the Former Landfill Parcels project name,

"GW" represents the sample matrix (e.g., ground water), and "N" represents the location where the sample was collected. An example designation would be "LF-GW-B-9", which indicates the ground water sample was collected at boring location B-9 at the former landfill parcels.

Project Name	Sample Matrix	Sample Number
LF	GW	N

4.1.1.2 SAMPLE DESIGNATIONS FOR LANDFILL LEACHATE

The sample designation used for landfill leachate samples consists of the project name, sample matrix, and sample number (e.g., boring location). The following table presents a guide for sample identification where "LF" represents the project name, "LEC" represents the leachate sample matrix, and "N" represents the boring location. An example designation would be "LF-LEC-G-3", which indicates that the landfill leachate sample was collected in association with the former landfill parcels at boring location G-3.

Project Name	Sample Matrix	Sample Number
LF	LEC	N

4.1.1.3 SAMPLE DESIGNATIONS FOR LANDFILL GAS

The sample designation used for landfill gas samples consists of the project name, sample matrix, and sample number (e.g., boring location). The following table presents a guide for sample identification where "LF" represents the project name, "GAS" represents the sample matrix, and "N" represents the boring location. An example designation would be "LF-GAS-B-6", which indicates that the landfill gas sample was collected in association with the former landfill parcels at boring location B-6.

Project Name	Sample Matrix	Sample Number
LF	GAS	N

4.1.1.4 SAMPLE DESIGNATIONS FOR LANDFILL STOCKPILE SAMPLES

Due to there being only three significant soil stockpile areas in association with the north landfill parcel at the time of the Phase II investigation, and these materials being periodically re-worked and leveled through grading, a sample designation was utilized that included the project name and stockpile area. The following table presents a guide for sample identification where "LF" represents the project name, and "N" represents the designated name of the stockpile area

sampled. An example designation would be "LF-Central Stockpile, which indicates the sample was collected from the central soil stockpile area in association with the former north landfill parcel.

Project Name	Soil Stockpile Name
LF	N

4.1.2 GROUND WATER SAMPLING AND ANALYSIS

Temporary ground water monitoring wells were installed at four locations utilizing a DPT rig. Two of these wells were installed at soil boring locations G-3 and B-9 in order to collect ground water samples adjacent to the southwest and east portions of the north landfill parcel, respectively. For the south landfill parcel, a temporary ground water monitoring well was installed at soil boring location G-2, so that a ground water sample could be collected east of the south landfill parcel. A second temporary ground water monitoring well was installed utilizing soil boring G-1 in order to collect a ground water sample from this portion of the south landfill parcel.

Due to space limitations created by adjacent construction activities, and the risk of encountering subsurface utilities, the G-1 temporary ground water monitoring well had to be installed within an area that contained surficial landfill debris, but was screened below these materials, and a bentonite seal was placed in the well annulus from land surface to the top of sand pack for this well. The remaining temporary ground water monitoring wells were placed in borings that were outside the footprint of encountered landfill debris.

For the temporary ground water wells, soil cores were collected continuously until a very wet to saturated zone was encountered. A temporary 1-inch diameter polyvinyl chloride (PVC) well screen and casing was set into the boring locations to facilitate the collection of the ground water samples using dedicated hand bailers. The well annulus was filled with clean silica sand around and immediately above the polyvinyl chloride (PVC) well screen. A bentonite seal was not used for temporary ground water monitoring wells G-2, G-4, and B-9 due to the temporary nature of these wells, and them being outside the footprint of landfill debris. However, a bentonite seal was placed in the temporary monitoring well G-1 annulus to ensure a good seal between the surficial landfill debris and underlying units while this well was being sampled. Prior to sampling the ground water monitoring wells hand bailers were used to develop the wells.

After 24 hours, dedicated 1/4 inch plastic bailers were used to collect the ground water samples. As discussed below, temporary monitoring well G-1 required three days to collect a sufficient volume of water necessary for analyses required as part of this assessment.

Upon completion of ground water sample collection, the temporary ground water monitoring wells were plugged and abandoned by removing the temporary PVC well screen/casing from the subsurface and plugging the well annulus with bentonite chips, hydrated with potable water, accordance with the Texas Administrative Code, Chapter 76.1004 of the Texas Water Well Drillers and Pump Installers Administrative Rules.

With the exception of temporary ground water well B-1, the collected ground water samples were analyzed for:

- VOCs (via U.S. EPA Method 8260B);
- SVOCs (via U.S. EPA Method 8270C);
- Resource Conservation and Recovery Act (RCRA) Metals (via U.S. EPA Method 6020 with Mercury)
- TPH (via U.S. EPA Method TX 1005);
- Pesticides (via U.S. EPA Method 8081A);
- Herbicides (via U.S. EPA Method 8151A).

The ground water yield for temporary ground water monitoring well G-1 was low, and as a result, three sampling events occurred on three separate days in order to collect ground water samples from this well. Consequently, the well did not yield a sufficient volume of water to allow for herbicide analyses. However, as indicated in other sections of this report, herbicides were not detected at other sampling locations, minimizing the risk of these compounds being present at this location.

The ground water samples were sealed immediately upon collection to prevent the loss of constituents of concern, packaged in ice, and shipped under standard chain of custody (c-o-c) procedures to Test America Laboratories of Corpus Christi and Houston, Texas. A total of three discrete ground water samples were submitted for analysis, as well as one matrix spike/matrix spike duplicate (MS/MSD), for a total of five ground water samples.

4.1.3 LANDFILL LEACHATE SAMPLING AND ANALYSIS

Borings B-2 through B-6 and G-3 were identified as being within the footprint of landfill debris associated with the north landfill parcel, and borings B-10 through B-12 were also located within the limits of landfill debris associated with the south landfill parcel. These borings were

converted into temporary wells for the purpose of monitoring for landfill leachate accumulation, and if present, collection of this media for laboratory analyses. These wells were also installed to allow for the collection of landfill gas samples (discussed below).

These temporary landfill wells were installed utilizing a DPT rig. In order to prevent the risk of cross contamination into deeper zones, the borings for these wells were advanced just below the presence of landfill debris and terminated in a silty clay zone that was persistent across the site immediately below the landfill debris. The temporary landfill wells were installed using 1 inch PVC well screen and casing and the well annulus was filled with clean silica sand around and immediately above the PVC well screen. A bentonite seal was placed from ground surface to the top of the sand pack.

The temporary landfill wells were gauged 24 hours following installation, and G-3 was the only one that displayed leachate accumulation during the field investigation. The remaining temporary landfill wells remained dry the duration of the field investigation. Prior to sampling temporary landfill well G-3, a dedicated ¼ inch plastic bailer was used to develop the well. Leachate recharge was allowed to occur in the well prior to sampling with a dedicated plastic bailer.

Upon completion of landfill gas sampling from a portion of the wells (discussed below), and leachate monitoring/sampling activities, the temporary landfill wells were plugged and abandoned by removing the temporary PVC well screen/casing from the subsurface and plugging the well annulus with bentonite chips, hydrated with potable water, accordance with the Texas Administrative Code, Chapter 76.1004 of the Texas Water Well Drillers and Pump Installers Administrative Rules.

The leachate sample collected from temporary landfill well G-3 was analyzed for:

- VOCs (via United States U.S. EPA Method 8260B);
- SVOCs (via U.S. EPA Method 8270C);
- RCRA Metals (via U.S. EPA Method 6020 with Mercury)
- TPH (via U.S. EPA Method TX 1005);
- Pesticides (via U.S. EPA Method 8081A);
- Herbicides (via U.S. EPA Method 8151A).
- Total Organic Carbon (TOC, via U.S. EPA Method 415.1)
- pH (via U.S. EPA Method 9040B)

The landfill leachate samples were sealed immediately upon collection to prevent the loss of constituents of concern, packaged in ice, and shipped under standard c-o-c procedures to Test America Laboratories of Corpus Christi and Houston, Texas. A total of one discrete landfill leachate sample was collected from G-3, as was a duplicate, and a MS/MSD, for a total of three landfill leachate samples.

4.1.4 LANDFILL GAS SAMPLING AND ANALYSIS

Borings B-2 through B-6 and G-3 were located within the limits of landfill debris associated with the north landfill parcel, and borings B-10 through B-12 were located within the limits of landfill debris associated with the south landfill parcels. These borings were converted into temporary wells for the purpose of monitoring/sampling landfill leachate accumulation, as well as for possible collection of landfill gas samples.

These temporary landfill wells were installed utilizing a DPT rig. In order to prevent the risk of cross contamination into deeper zones, the borings for these wells were advanced just below the presence of landfill debris and terminated in a clay zone that was persistent across the site immediately below the landfill debris. The temporary landfill wells were installed using 1 inch PVC well screen and casing and the well annulus was filled with clean silica sand around and immediately above the PVC well screen. A bentonite seal was placed from ground surface to the top of the sand pack, and an air tight cap with a valved sampling port was placed on each well to allow landfill gases to accumulate in the wells.

Temporary landfill well locations B-2, B-4, and B-6 were chosen for landfill gas sample collection associated with the north landfill parcel. Temporary landfill wells B-10 and B-12 were chosen for landfill gas sample collection associated with the south landfill parcel. Summa canisters were utilized to collect the landfill gas samples from these locations. Prior to sampling, a hand-held vacuum pump was connected to the sampling port of the air tight well cap. The valve to the sampling port was opened, and the vacuum pump was then used to purge the headspace within the well and create a vacuum to draw landfill gases into the well from the surrounding subsurface. Following purging, the Summa canister was connected to the well head and used to collect the landfill vapor sample from the well.

Upon completion of collection of the landfill gas sample collection, a ground water interface probe was used to monitor for the presence of leachate accumulation in these wells prior to plugging and abandonment. As discussed in the previous section, all but one of these wells (G-3) were dry and did not produce leachate; these wells were plugged and abandoned following gauging activities. The landfill leachate that accumulated in G-3 was sampled prior to plugging

and abandonment of this well. These wells were plugged and abandoned by removing the PVC well screen/casing from the subsurface and plugging the well annulus with bentonite chips, hydrated with potable water, accordance with the Texas Administrative Code, Chapter 76.1004 of the Texas Water Well Drillers and Pump Installers Administrative Rules.

The landfill gas samples collected as part of this assessment were analyzed for methane, carbon dioxide, nitrogen, and oxygen by ASTM Method 1946-90. The Summa Canisters were shipped under standard c-o-c procedures to Test America Laboratories of Austin, Texas. A total of five landfill gas samples were collected as part of this assessment.

4.1.5 STOCKPILED SOIL SAMPLING AND ANALYSIS

At the time of the Phase II site investigation, only three areas of significant soil stockpiling were noted on the west portion of the north landfill parcel. Other stockpiled soil noted during the March 2009 Phase I ESA had been spread and graded across the west portion of this property. The majority of this material appears to originate from street sweeping operations, and dumping of this material was observed occurring while the Phase II site investigation was being performed.

Because there were only three areas containing stockpiled soil, only three corresponding soil stockpile samples were collected from these areas. These samples consisted of 5 to 10 part composite samples depending on the size of the soil stockpile. They were collected using a properly decontaminated gardening trowel and a one gallon Ziploc® bag to hold the samples.

Due to the dryness of the soil samples, aliquots for VOCs were not able to be collected directly from the surface sample location. Aliquots for VOC analysis were collected first from the one gallon Ziploc® bag to minimize volatilization of the soil while using a USA Analytical Syringe with plunger® sampler. Once the VOC analysis samples were collected additional soil from the sample location was placed into the one gallon Ziploc® bag and homogenized by hand using a kneading action. Once homogenization of the soil in the one gallon Ziploc® bag was completed the remaining containers for the other analysis were filled. Following homogenization, soil was placed into samples jars as required by the analytical method.

Soil stockpile samples were analyzed for:

- VOCs (via United States U.S. EPA Method 8260B);
- SVOCs (via U.S. EPA Method 8270C);
- RCRA Metals (via U.S. EPA Method 6020 with Mercury)
- TPH (via U.S. EPA Method TX 1005);

- Pesticides (via U.S. EPA Method 8081A);
- Herbicides (via U.S. EPA Method 8151A).

Soil stockpile samples were placed immediately upon collection into new, laboratory-supplied sample containers. Soil samples were sealed upon collection to prevent the loss of constituents of concern, packaged in ice, and shipped under standard c-o-c procedures to Test America Laboratories of Corpus Christi and Houston, Texas. Three multi-part composite samples were collected for the soil stockpiles, as well as one duplicate, for a total of four soil stockpile samples.

4.1.6 QUALITY ASSURANCE/QUALITY CONTROL PROCEDURES

The Quality Assurance/Quality Control (QA/QC) protocol used covered general field sampling aspects, including sampling methods, data handling, and QC measures employed. The following is a list of the QA/QC samples collected as part of this investigation:

- A duplicate stockpiled soil sample;
- A duplicate landfill leachate sample;
- A landfill leachate MS/MSD; and
- Equipment blanks, field blanks and trip blanks.

Laboratory data for the media sampled as part of this assessment also underwent a data usability summary, which is included in **Appendix D.** This evaluation did not identify any major discrepancies that call to question use of the laboratory data.

4.1.7 SAMPLE HANDLING/CHAIN OF CUSTODY

Data associated with ground water, landfill gas, landfill leachate, and soil stockpile collection was recorded in field notebooks, and on the COC. Each sample collected during field activities was given a unique sample designation (**Section 4.1.1**). The sample identification (ID) was used to establish each discrete sampling point. The sample ID was included on the c-o-c and sample bottle/jar/summa canister label.

Following sample collection, containers associated with soil, ground water, and/or landfill leachate were sealed and placed in a cooler with bagged ice and cooled to 4°C or less. The c-o-c was placed in a plastic bag and taped to the inside of the cooler lid. These samples were then shipped to Test America Laboratories of Corpus Christi and Houston, Texas for analysis. The summa canisters used to collect landfill gas samples were placed in a shipping container at ambient temperatures and shipped back to Test America Laboratories of Austin, Texas, for

Samples were analyzed in normal turn-around times. C-o-c documents are provided with their corresponding laboratory reports in **Appendix D**.

4.1.8 WASTE MANAGEMENT

Investigation derived waste (IDW) was generated as a part of this project. IDW, including soil boring cuttings and well development/decontamination fluids, were staged in two separate 55-gallon steel drums in an area adjacent to the south landfill parcel. The IDW manifests were signed by a City of Weslaco staff person, and the waste drums are pending transport to an approved landfill. The waste manifests will be provided as an addendum to this report.

4.2 ASBESTOS INSPECTION

ARGO subcontracted an asbestos inspection of the former Public Works Facility concurrent with site investigation activities that occurred at the landfill parcels. As a result, Raba-Kistner Consultants, Inc. (Raba-Kistner), which performed the asbestos inspection, also collected three samples of the abandoned water pipe situated on the east portion of the south landfill parcel.

Sampling of suspect areas was performed in accordance with 40 CFR part 763 regulations All samples were analyzed by PLM coupled with Dispersion Staining in accordance with the EPA method outlined in 40 CFR Part 763, Subpart F, Appendix A for determining asbestos in bulk samples. All samples were submitted for analysis to a certified National Voluntary Accreditation Program (NVLAP) Laboratory. A total of 3 samples from this pipe were submitted for laboratory analyses of asbestos content. Refer to Appendix C Table 4.

5. FINDINGS, EVALUATION, AND PRESENTATION OF RESULTS

This Phase II ESA consisted of advancing soil borings in order to assess the presence of landfill debris, and to install temporary wells for the collection and analyses of ground water samples, landfill gas samples, landfill leachate samples, soil stockpile samples, and samples of the abandoned water pipe for ACM analyses.

Soil stockpile, and ground water samples were submitted to Test America Laboratories of Corpus Christi, and Houston Texas for analysis of VOCs (via U.S. EPA Method 8260B), SVOCs (via U.S. EPA Method 8270C), RCRA metals (via U.S. EPA Method 6020B with mercury), pesticides (via U.S. EPA Method 8081A), herbicides (via U.S. EPA Method 8151A), and TPH (via U.S. EPA Method TX1005). In addition to the above analyses, the landfill leachate sample collected from G-3 was also submitted for analyses of TOC (via U.S. EPA Method 415.1) and pH (via U.S. EPA Method 9040B). The landfill gas samples were submitted to Test America Laboratories of Austin, Texas for analysis of methane, carbon dioxide, nitrogen, and oxygen by ASTM Method 1946-90.

5.1 SUBSURFACE GEOLOGIC CONDITIONS

Provided within this section is a description of subsurface conditions for the north landfill parcel and the south landfill parcel based on the findings of the subsurface investigation performed as part of this Phase II ESA.

North Landfill Parcel

Based on field observations, and as indicated by boring logs (**Appendix E**) and **Table 2** (below), the shallow subsurface lithology at the north landfill parcel is varied due to historic landfill operations, and subsequent introduction of fill materials over these landfill debris. In the vicinity of borings B-8 and B-9, fill and landfill debris are absent, while in the vicinity of boring G-4, fill is present to a depth of approximately nine feet bgs, but landfill debris are absent at this location.

The areas associated with the remaining soil borings display a sequence where fill overlies landfill debris, followed by underlying native soil. As indicated in **Table 2**, the thickness of landfill debris encountered during this investigation ranged from less than 0.5 feet in the vicinity of soil boring B-7, to 5.25 feet in the vicinity of boring B-2. In most cases the base of the landfill debris is around 10 feet bgs, but as shallow as five feet in the vicinity of boring B-4, and as deep as 13 feet in the vicinity of B-5.

Table 2: Fill and Landfill Debris Thickness and Depth Data for Landfill Parcels

Boring	Fill Thickness (ft)	Landfill Debris Thickness (ft)	Landfill Debris Interval (ft bgs)
North Landfill Parcel			
B-1	9	1	9 -10
B-2	4.75	5.25	4.75 – 10
B-3	7	2	7 -9
B-4	4.5	0.5	4.5 – 5
B-5	8	5	8 – 13
B-6	7.5	2.5	7.5 – 10
B-7	9	<0.5	7
B-8	Absent	Absent	NA
B-9	Absent	Absent	NA
G-3	5	4.5	5 – 9.5
G-4	9	Absent	NA
South Landfill Parcel			
B-10	Absent	4.91	0 – 4.91
B-11	Absent	3	0 – 3
B-12	Absent	3	0 – 3
G-1	Absent	5	0 – 5
G-2	Absent	Absent	

Native soil is encountered directly below the landfill debris that consists of silty clay that possesses a low to medium plasticity. Because the borings that encountered landfill debris were terminated within this unit, the thickness and nature of underlying units could not be determined

within these areas. However, borings B-9 and G-4 were advanced to deeper depths in order to encounter the shallow ground water unit.

In the vicinity of B-9, native soil consisting of silty clay is encountered to a depth of 12 feet bgs, with silty clay w/fine sand encountered to a depth of 15 feet bgs, with interbedded silty sand and silty clay units from 15 ft bgs, to 20 ft bgs, the total depth of the boring. In the vicinity of boring G-4, native soil consisting silty clay is encountered to a depth of 19 feet bgs, with highly plastic lean clay from 19 to 22 feet bgs; silty clay with sand and silty sand from 22 to 24.75 feet bgs; silty fine sand from 24.75 to 27 feet bgs; sandy, silty clay from 27 to 29.5 feet bgs; and a highly plastic lean clay from 29.5 to 30 feet bgs which was the total depth of the boring.

In the vicinity of B-9, the subsurface became very moist at 12 feet bgs, and wet at 15 to 16 feet bgs. In the vicinity of G-4, the subsurface became very moist at 22 feet bgs, and saturated at 25 feet bgs. Both of these temporary wells were installed on 11 August 2009, and were gauged on 12 August 2009 prior to development and sampling. The measured depth to ground water for temporary monitoring wells B-9 and G-4 was 12.05 feet bgs, and 18.22 feet bgs, respectively.

South Landfill Parcel

Based on field observations, and as indicated by boring logs (**Appendix E**) and the preceding **Table 2**, the shallow subsurface lithology at the south landfill displays a trend where, when present, landfill debris extend from ground surface to a maximum depth of 4.91 feet in the areas accessed. Surficial landfill debris were encountered in all of the south landfill borings except boring G-2, and this is due to the location of this boring being situated in the base of the site's drainage channel, which is approximately four feet below the surrounding land surface, and deeper than the suficial landfill debris. It should also be noted that based on shallow hand auger borings advanced as part of this assessment, the footprint of these shallow landfill debris appear to extend further westward than indicated in the user-provided data. (**Figure 3, Appendix B**).

Native soil is encountered directly below the landfill debris that consists of silty clay that possesses a medium plasticity. Borings G-10 through G-12 were terminated within the silty clay unit located beneath the landfill debris, so the thickness and nature of underlying units could not be determined in these areas. However, borings G-1 and G-4 were advanced to deeper depths in order to encounter the shallow ground water unit.

In the vicinity of G-1 and G-2, silty clay is encountered to a depth of 20 feet bgs, and 15 feet, respectively; the total depth of these borings. At 18 feet bgs, the subsurface became very moist, while in the vicinity of G-2, the subsurface became moist at 9.5 feet bgs. Depth to water in G-1 and G-2 was 8 feet bgs and 10 feet bgs, respectively; following installation.

5.2 RESULTS/ANALYTICAL DATA

The ground water, landfill leachate, landfill gas, soil stockpile and asbestos results/analytical data are summarized in this section. The full laboratory analytical reports for these media are provided in **Appendix D**.

5.2.1 GROUND WATER ANALYTICAL DATA

Four ground water samples were collected and submitted for laboratory analyses of VOCs, SVOCs, RCRA Metals with mercury, TPH, organochlorine pesticides, herbicides.

To assess whether there is a potential for impact to the subject site by both historic onsite and offsite operations, and based on the reported future redevelopment and reuse of the subject site, the analytical results were compared to EPA MCLs. The Analytical results were also compared to applicable TCEQ TRRP Tier 1 ground water PCLs for commercial/industrial sites. These PCLs are summarized below:

PCL	Definition	Medium
$_{GW}GW_{Ing}$	Ingestion of COCs in Class 1 or 2 ground water	Ground water
$_{Air}GW_{Inh\text{-}V}$	Inhalation of volatile COCs from Class 1, 2 or 3 ground water	
Note: Due to the size of the landfill parcels, the $_{Air}GW_{Inh\text{-}V}$ PCLs used for evaluating data collected as part of this assessment are based on a 30 acre source area.		

The laboratory analytical results for ground water samples are presented in **Appendix C** as **Table 3** and discussed below. In addition, a copy of the laboratory data package is included in **Appendix D**.

VOCs: Although several VOCs were reported for the ground water samples collected in association with the north and south landfill parcels, none of these VOCs were reported at concentrations exceeding applicable MCLs or PCLs evaluated as part of this assessment.

SVOCs: Although several SVOCs were reported for the ground water samples collected in association with the north and south landfill parcels, none of these SVOCs were reported at concentrations exceeding applicable MCLs or PCLs evaluated as part of this assessment. **Total Petroleum Hydrocarbons:** Although different ranges of TPHs were reported for the ground water samples collected in association with the north and south landfill parcels, none of these

compounds were reported at concentrations exceeding applicable PCLs evaluated as part of this assessment.

Organochlorine Pesticides: Although several organochlorine pesticides were reported for the ground water samples collected in association with the north and south landfill parcels, none of these compounds were reported at concentrations exceeding applicable MCLs, or PCLs evaluated as part of this assessment.

Herbicides: No herbicides were reported for ground water samples collected in association with the north and south landfill parcels.

Metals: The following metals exceeded applicable regulatory screening criteria evaluated as part of this assessment:

Sample LF-GW-G1 (south landfill parcel)

- Arsenic was reported at a concentration of 15 µ/L, exceeding the EPA MCL and TRRP Tier1 ${}^{GW}GW_{ing}$ PCL for commercial/industrial properties.
- Lead was reported at a concentration of 58 µ/L, exceeding the EPA MCL and TRRP Tier1 ${}^{GW}GW_{ing}$ PCL for commercial/industrial properties.

Sample LF-GW-G2 (south landfill parcel)

- Lead was reported at a concentration of 17 µ/L, exceeding the EPA MCL and TRRP Tier1 ${}^{GW}GW_{ing}$ PCL for commercial/industrial properties.

Sample LF-GW-G4 (north landfill parcel)

- Arsenic was reported at a concentration of 12 µ/L, exceeding the EPA MCL and TRRP Tier1 ${}^{GW}GW_{ing}$ PCL for commercial/industrial properties.
- Lead was reported at a concentration of 38 µ/L, exceeding the EPA MCL and TRRP Tier1 ${}^{GW}GW_{ing}$ PCL for commercial/industrial properties.

5.2.2 LANDFILL LEACHATE ANALYTICAL DATA

Only one temporary landfill well (G-3), associated with the north landfill parcel, produced landfill leachate during the assessment and a sample of this media was collected for laboratory analyses of VOCs, SVOCs, RCRA Metals with mercury, pesticides, herbicides, TPH, TOC, and pH.

To assess whether there is a potential for impact to the subject site by both historic onsite and offsite operations, and based on the reported future redevelopment and reuse of the subject site, the analytical results were compared to EPA Maximum Contaminant Levels (MCLs) and TCEQ TRRP Tier 1 ground water PCLs for commercial/industrial sites. These PCLs are summarized below:

PCL	Definition	Medium
$^{GW}GW_{Ing}$	Ingestion of COCs in Class 1 or 2 ground water	Ground water
$^{Air}GW_{Inh\text{-}V}$	Inhalation of volatile COCs from Class 1, 2 or 3 ground water	
Note: Due to the size of the landfill parcels, the $^{Air}GW_{Inh\text{-}V}$ PCLs used for evaluating data collected as part of this assessment are based on a 30 acre source area.		

The laboratory analytical results for the G-3 landfill leachate sample are presented in **Appendix C** as **Table 3** and discussed below. In addition, a copy of the laboratory data package is included in **Appendix D**.

VOCs: Although several VOCs were reported for the landfill leachate sample collected from G-3, none of the reported at concentrations exceeded applicable EPA MCLs or TRPP PCLs evaluated as part of this assessment.

SVOCs: Although three SVOCs were reported for the landfill leachate sample collected from G-3, none of the reported concentrations exceeded applicable EPA MCLs or TRPP PCLs evaluated as part of this assessment.

Total Petroleum Hydrocarbons: Although different ranges of TPHs were reported for the G-3 landfill leachate sample, none of these compounds were reported at concentrations exceeding applicable PCLs evaluated as part of this assessment.

Organochlorine Pesticides: Although three oganochlorine pesticides were reported for the landfill leachate sample collected from G-3, none of the reported concentrations exceeded applicable EPA MCLs or TRPP PCLs evaluated as part of this assessment.

Herbicides: No herbicides were reported for the landfill leachate sample collected in association G-3

Metals: The following metals exceeded applicable regulatory screening criteria for the G-3 landfill leachate sample evaluated as part of this assessment:

- Arsenic was reported at a concentration of 14 µ/L, exceeding the EPA MCL and TRRP Tier1 $^{GW}GW_{ing}$ PCL for commercial/industrial properties.

- Barium was reported at a concentration of 4,500 µ/L, which exceeded the EPA MCL and TRRP Tier1 $^{GW}GW_{ing}$ PCL for commercial/industrial properties.
- Lead was reported at a concentration of 130 µ/L, exceeding the EPA MCL and TRRP Tier1 $^{GW}GW_{ing}$ PCL for commercial/industrial properties.

5.2.3 LANDFILL GAS ANALYTICAL DATA

Review of analytical data for the landfill gas samples indicates methane generation/accumulation has occurred within the vicinity of B-4, which could represent an explosion hazard. Methane was reported at a concentration of 10% v/v, which falls between the methane LEL of 5.5% and the methane UEL of 15%. Carbon dioxide generation/accumulation has also occurred at the north landfill parcel, while oxygen concentrations are lower when compared to atmospheric concentrations. **Table 4 (Appendix C)** provides a summary of landfill gas analytical results for this investigation.

5.2.4 SOIL STOCKPILE ANALYTICAL DATA

Three soil stockpile samples were collected and submitted for laboratory analyses of VOCs, SVOCs, RCRA Metals with mercury, TPH, organochlorine pesticides, and herbicides.

To assess whether there is a potential for impact at the subject site due to both historic onsite and offsite operations, and based on the reported future redevelopment and reuse of the subject site, the analytical results were compared to EPA RSLs for industrial soil. The analytical results were also compared to applicable TRRP Tier 1 PCLs for commercial/industrial sites. Because individually, these soil stockpiles represent relatively small potential source areas, the TRRP PCLs used to evaluate the landfill stockpile data are based on a 0.5 acre source area.

A summary of the TRRP Tier 1Commercial/Industrial Soil PCLs used as part of this evaluation process is as follows:

PCL	Definition	Medium
$^{Tot}Soil_{Comb}$	Combined ingestion, dermal contact, inhalation of volatiles and particulates, and ingestion of above-ground and below-ground vegetables with COCs in soil ($^{Soil}Soil_{Ing}$ + $^{Soil}Soil_{Derm}$+ $^{Air}Soil_{Inh-VP}$ + $^{Veg}Soil_{Ing}$)	Surface soil
$^{Air}Soil_{Inh-V}$	Inhalation of volatile COCs from soil	Subsurface soil
$^{GW}Soil_{Ing}$	Soil-to-ground water leaching of COCs to Class 1 and 2 ground water	Surface and subsurface soil
$^{GW}Soil_{Class\ 3}$	Soil-to-ground water leaching of COCs to Class 3 ground water	
$^{Air}GW\text{-}Soil_{Inh-V}$	Soil-to-ground water leaching for ground water volatilization	

Note: Because individually, these soil stockpiles represent relatively small potential source areas, the TRRP PCLs used to evaluate the landfill stockpile data are based on a 0.5 acre source area.

The laboratory analytical results for soil samples are presented in **Appendix C** as **Table 5** and discussed below. In addition, a copy of the laboratory data package is included in **Appendix D**.

VOCs: Although several VOCs were reported for the soil stockpile samples collected in association with the north landfill parcel, none of these VOCs were reported at concentrations exceeding applicable RSLs or PCLs evaluated as part of this assessment.

SVOCs: Although several SVOCs were reported for the soil stockpile collected in association with the north landfill parcel, none of these SVOCs were reported at concentrations exceeding applicable RSLs or PCLs evaluated as part of this assessment.

Total Petroleum Hydrocarbons: Although different ranges of TPHs were reported for the soil stockpile samples, none of these compounds were reported at concentrations exceeding applicable PCLs evaluated as part of this assessment.

Organochlorine Pesticides: Although several organochlorine pesticides were reported for the soil stockpile samples collected in association with the north landfill parcels, none of these compounds were reported at concentrations exceeding applicable RSLs or PCLs evaluated as part of this assessment.

Herbicides: No herbicides were reported for the soil stockpile samples collected in association with the north landfill parcel.

Metals: The following metals exceeded applicable regulatory screening criteria for the soil stockpile samples located on the west portion of the north landfill parcel:

Sample LF-Central Stockpile (north landfill parcel)

- Arsenic was reported at a concentration of 1,700 µg/Kg, which exceeds the EPA RSL for industrial soil.
- Lead was reported at a concentration of 12,000 µg/Kg, exceeding the TRRP Tier1 $^{GWSo}Soil_{ing}$ PCL for commercial/industrial soil.

Sample LF-West Stockpile (north landfill parcel)

- Arsenic was reported at a concentration of 2,000 µg/Kg, which exceeds the EPA RSL for industrial soil.

- Lead was reported at a concentration of 40,000 µg/Kg, exceeding the TRRP Tier1 $^{GWSo}Soil_{ing}$ PCL for commercial/industrial soil.

Sample LF-North Stockpile (north landfill parcel)

- Arsenic was reported at a concentration of 2,100 µg/Kg, which exceeds the EPA RSL for industrial soil.
- Lead was reported at a concentration of 6,500 µg/Kg, exceeding the TRRP Tier1 $^{GWSo}Soil_{ing}$ PCL for commercial/industrial soil.

Table 6 was compiled by the USGS and lists average element (e.g., metal) concentrations for soils in Hidalgo County, Texas. As indicated on this table, the mean concentration of arsenic in soil is 4.7 ppm (4,700 µg/Kg) with a range of 2.9 ppm (2,900 µg/Kg) to 12.013 ppm (12,013 µg/Kg). Although the arsenic concentrations discussed above exceed the EPA RSL for industrial soil, they are below the mean concentration established by the USGS for Hidalgo County, Texas. This data suggests these arsenic concentrations are related to naturally-occurring background conditions, and are not the function of a site-related pollution source.

As indicated in **Table 6**, the mean concentration for lead in soil 20.131 ppm (20,131 µg/Kg), with a range of 11.000 ppm (11,000 µg/Kg) to 28.062 ppm (28,062 µg/Kg). Although the lead concentrations reported for the central and north stockpiles exceed the TRRP Tier1 $^{GWSo}Soil_{ing}$ PCL for commercial/industrial soil, they fall within the range of lead concentrations reported by the USGS for Hidalgo, County. This data suggests these arsenic concentrations associated with these stockpiles are related to naturally-occurring background conditions, and are not the function of a site-related pollution source. The elevated lead concentration for the west soil stockpile may be due to a pollution related source, but this source is not related to historic landfill activities at the site (e.g., this material is being introduced to the site from street sweeping operations and stockpiling of concrete/asphalt rubble and soil)

Table 6: Average Concentrations of Elements in Hidalgo County, Texas
(Source: USGS; http://tin.er.usgs.gov/geochem/county.php?place=f48215&el=Na&rf=south-central.)

Element	Symbol	Mean	Standard Deviation	Minimum	Maximum
Aluminum	Al (wt%)	4.646	0.785	2.833	6.065
Arsenic	As (ppm)	4.700	1.754	2.900	12.013
Calcium	Ca (wt%)	4.002	2.605	0.932	8.627
Copper	Cu (ppm)	11.307	2.954	6.000	16.000

Iron	Fe (wt%)	1.830	0.228	1.470	2.450
Mercury	Hg (ppm)	0.018	0.009	0.010	0.040
Magnesium	Mg (wt%)	0.631	0.192	0.264	0.905
Manganese	Mn (ppm)	447.374	134.081	238.000	719.000
Sodium	Na (wt%)	0.722	0.144	0.496	1.152
Phosphorus	P (wt%)	0.051	0.020	0.017	0.085
Lead	Pb (ppm)	20.131	3.782	11.000	28.062
Selenium	Se (ppm)	0.178	0.098	0.100	0.400
Titanium	Ti (wt%)	0.291	0.041	0.187	0.390
Zinc	Zn (ppm)	50.715	8.615	33.000	67.000

5.2.5 ASBESTOS SAMPLING AND ANALYSIS

Three samples of the abandoned water pipe situated on the east portion of the south landfill parcel were collected for ACM analysis. All three of these samples tested positive for asbestos. The EPA 40 CFR Part 763 defines ACM as any material or product that contains more than one percent of asbestos.

The laboratory results of asbestos sampling are presented in **Appendix C** as **Table 7**. In addition, a copy of the laboratory data package that contains the results for these samples is included in Appendix D (*note this laboratory data package also includes analytical results for building materials collected at the City of Weslaco Former Public Works Facility*).

6. CONCLUSIONS AND RECOMMENDATIONS

EA performed a Phase II ESA of the subject site which included a subsurface assessment involving the advancement of 11 soil borings at the north landfill parcel, and five soil borings at the south landfill parcel. Other associated activities included installing four temporary ground water monitoring wells, and 10 temporary landfill wells to monitor for/sample landfill leachate, and to collect landfill gas samples.

Based on the data collected during advancement of the soil borings, the two sites were historically used for disposal of refuse, as verified by the presence of landfill debris in most of the areas assessed. The only soil borings that did not encounter landfill debris included G-2, situated adjacent to the south landfill parcel and G-4, B-8, and B-9, situated adjacent to the north landfill parcel.

At the north landfill parcel, the subsurface displays a sequence where fill overlies the landfill debris, followed by underlying native soil. Much of the fill material may be due to stockpiling of debris generated during street sweeping operations and/or demolition activates that generate soil and asphalt and concrete rubble. The thickness of landfill debris underlying the fill ranged from less than 0.5 feet in the vicinity of soil boring B-7, to 5.25 feet in the vicinity of boring B-2. In most cases the base of the landfill debris are around 10 feet bgs, but as shallow as five feet in the vicinity of boring B-4, and as deep as 13 feet in the vicinity of B-5.

At the south landfill parcel, where present, the landfill debris extends from ground surface to a maximum depth of 4.91 feet in the areas accessed. It should also be noted that based on shallow hand auger borings advanced as part of this assessment, and visual observations, the footprint of these shallow landfill debris at the south landfill parcel appear to extend further westward than indicated in the user-provided data.

Media sampled as part of this assessment included four ground water samples (two from each landfill parcel), one landfill leachate sample for fluid that accumulated in temporary landfill well G-3, five landfill gas samples (three from the north landfill parcel, and two from the south landfill parcel), three soil stockpile samples (from the west portion of the north landfill parcel), and three samples of the abandoned water pipe for asbestos analyses (east portion of south landfill parcel). The ground water landfill leachate and soil stockpile samples were analyzed for VOCs, SVOCs, TPH, organochlorine pesticides, herbicides, and RCRA metals (w/ mercury). The landfill leachate sample was also analyzed for TOC and pH. Ground water collected from G-1 (south landfill parcel) could not be analyzed for herbicides due to the low ground water yield associate with this well.

Review of analytical data for ground water samples collected as part of this assessment indicate lead and arsenic exceeded regulatory screening criteria used to evaluate the collected data. All other metals and organic compounds were below regulatory screening criteria used to evaluate the collected ground water data.

Review of analytical data for the landfill leachate sample collected from the area associated with G-3 indicated this media contains arsenic, barium, and lead at concentrations exceeding regulatory screening criteria used to evaluate the collected data. All other metals were below regulatory screening criteria used to evaluate the collected landfill leachate data. Although several VOCs, SVOCs, and organochlorine pesticides were also reported for the landfill leachate sample collected from G-3, the reported concentrations were below applicable regulatory screening criteria used to evaluate this data.

Review of analytical data for the landfill gas samples indicates methane generation/accumulation has occurred within the vicinity of B-4, which could represent an explosion hazard. Methane was reported at a concentration of 10% v/v, which falls between the methane LEL of 5.5% and the methane UEL of 15%. Carbon dioxide generation/accumulation has also occurred at the north landfill parcel, while oxygen concentrations are lower when compared to atmospheric concentrations.

Based on the analytical results collected as part of this assessment, VOC, SVOC, TPH, organochlorine pesticide, and herbicide impact appear to be minimal at both landfill parcels. Review of analytical for metals indicates barium exceeded applicable regulatory screening criteria used to evaluate the data collected for this assessment.

Review of the metals data also indicates there is a trend where arsenic and lead often times exceeded applicable regulatory screening criteria used to evaluate the data. This condition was noted for the ground water collected from both the sites, and for the landfill leachate sample collected from the north landfill parcel. A Phase II ESA was performed for the City of Weslaco Former Public Works Facility in conjunction with this investigation, and analytical data for surface soil, subsurface soil, and ground water samples collected from the Former Public Works Facility displayed the same pattern of arsenic and lead exceeding all/part of the applicable regulatory screening used to evaluate the data. This situation, coupled with the USGS metal concentration for Hidalgo County (**Table 6**), suggests that in most cases, the elevated arsenic and lead concentrations are possibly attributable to background conditions for that area

It should also be noted that the elevated arsenic and lead seen in the ground water and landfill leachate samples may be due to the methodology used to collect and analyze the samples. Small

diameter, temporary wells were used to collect the ground water samples. Although these wells were developed to the extent possible prior to sampling, the temporary nature of these wells may have created a situation where all the fines (e.g., suspended silt/clay particles) could not be removed prior to sampling.

Total metals in ground water and leachate were scoped and analyzed for this assessment, and as a result, these media were not filtered prior to preservation. If suspended fines containing elevated, naturally-occurring arsenic and lead became entrained in these samples, these metals could have been leached from the suspended fines into the ground water/leachate when the sample was preserved and digested for extraction. This situation may have resulted in the consistently elevated arsenic and lead concentrations detected in these samples.

Samples were collected from the abandoned water pipe situated on the east portion of the south landfill parcel to test for the presence/absence of asbestos. The three samples collected from this pipe all tested positive for asbestos. As a result, this pipe should be treated as ACM, and managed/handled/disposed of accordingly.

The upper portion of the following **Table 8** identifies RECs identified during the Phase I ESA. It also identifies whether or not the REC was addressed, as well as the outcome and any recommendation based on the findings of this Phase II ESA. The lower portion of this table identifies subsequent conditions/RECs identified during this Phase II ESA and provides recommendations based on these findings

Table 8: Status of RECS and Corresponding Conclusions/Recommendations

Phase I REC	REC Addressed per Phase II Finding(s)?	Outcome/Recommendation
The potential for ground water impact associated with shallow ground water leaching contaminants from refuse buried within the land parcels	Y	Based on the limited ground water analytical data collected as part of this Phase II assessment, there does not appear to be significant impact to ground water due to historic landfill activities at the landfill parcels. However, review of the ground water data does indicate a trend where arsenic and lead exceed one or more applicable regulatory screening criteria. As indicated below, additional assessment is recommended to determine if the arsenic concentrations are related to background conditions.
Sediment loading of storm water associated with the south parcel's drainage feature due to the excavated soil being unstable and prone to erosion in its present condition with no form of sediment control.	Y	As documented within this report, nearby construction activities and dirt work associated with the adjacent north and west property has resulted in the permanent infilling of the drainage channel segment situated west of the site. This has resulted in a condition where surface water runoff can longer flow from the south landfill parcel to downstream receptors.
Uncontrolled stockpiling of soil/debris on the west portion of the north land parcel without tracking where this material is originating, and confirmation that it is not impacted.	N	One of three soil stockpile samples displayed an elevated lead concentration that may be source-specific and not related to possible elevated background concentrations. At the time of the Phase II ESA, street sweepers were documented discarding materials in the stockpile areas situated on the west portion of the north landfill parcel. In addition, much of the stockpiled material observed during the Phase I ESA had been leveled and graded, indicting this material is being used as fill for the site. Due to the nature of this material and the varying origin of generation (cleaning of streets and parking lots, as well as soil and asphalt/concrete rubble from demolition activities), additional assessment is recommended to better characterize these materials.
The presence of the abandoned water pipe, which appears to be constructed of asbestos-cement	Y	The abandoned water pipe was confirmed to contain asbestos, and due to its unused state and condition, it is recommended that this pipe be properly removed from the site and disposed of as ACM.

Table 8 (continued): Status of RECS and Corresponding Conclusions/Recommendations

Phase II REC	REC Addressed per Phase II Finding(s)?	Outcome/Recommendation
Confirmation of landfill debris.	**Y**	The Phase II ESA did confirm the presence of historical landfill activities at both sites. However, due to the limited scope of the Phase II assessment, it did not define the limits of landfill footprint associated with the two parcels of property assessed, nor did it fully quantify possible impact associated with the buried debris. Although this material does not appear to be having significant, widespread impact to nearby ground water, the landfill leachate in the vicinity of G-3 did display an elevated barium concentration (in addition to arsenic and lead) and was determined to contain concentrations of other organic compounds. Additional assessment will be necessary to fully confirm the nature and extent of the landfill debris. Additionally, if future development is planned at either site, a geotechnical assessment will be warranted to determine the suitability of building on the buried landfill debris.
The presence of elevated methane gas at the north landfill	**N**	Methane gas was detected at several of the landfill gas sample locations. However, in the vicinity of B-2, conditions appear to be favorable for significant methane gas accumulation levels that may create an explosion hazard. As a result, a landfill gas assessment is warranted at the north landfill parcel to quantify the extent of methane gas in the subsurface. It should be noted that this condition may limit the suitability of constructing buildings and/or other structures that may be prone to methane and/or other landfill gas accumulation.

Preliminary estimated costs are presented in the following table that addresses the above RECS with further recommendations. These costs are intended to provide the user a “ball park” estimate, and are not being provided/intended as actual. A detailed scope of work, and corresponding pricing, would have to be developed to more accurately price these activities.

Activity	Estimated Quantities/Unit Cost	Estimated cost
Assessment for uncontrolled stockpiling of soil/debris	20 Borings @ $700/boring	$14,000
Removal of asbestos-containing abandoned water pipe	50 lf @ $25 per lf + Mobilization/Demobilization	$1,750
Background Metals Investigation	4 Borings @ $500/boring + Ground Water M&S @ $300/well	$3,200
Nature and Extent of Landfill Debris	25 borings @ $1,000/boring + Ground Water/Leachate/Methane M&S @ $600/well	$40,000
Reporting for Above Activities	Draft, Final Reports – Estimated Lump Sum Cost	$20,000
Estimated Total		**$78,950**

7. DISCLAIMER

ARGO does not warrant that there are no toxic or hazardous materials or contamination, nor does ARGO accept any liability if such are found at some future time, or could have been found if sampling or additional studies were conducted. ARGO does not assume responsibility for other environmental issues that may be associated with this subject site.

In view of the rapidly changing status of environmental laws, regulations, and guidelines, ARGO cannot be responsible for changes in laws, regulations, or guidelines which occur after the study has been completed and which may affect the subject site.

This report was prepared for the U.S. EPA by ARGO and is based in part on third party information not within the control of either U.S. EPA or ARGO. While it is believed that the third party information contained herein will be reliable under the conditions and subject to the limitations set forth herein, neither U.S. EPA nor ARGO guarantee the accuracy thereof. This report has been completed solely for the use of U.S. EPA and is being provided as a confidential document. Any transfer of this report to third parties is the sole responsibility of U.S. EPA.

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APPENDIX A:

PHOTOGRAPHS

Photo 1. Installation of boring G-3 using track-mounted Geo Probe rig; north landfill parcel; 907 North Airport Drive, Weslaco, Texas.

Photo 2. View of landfill debris encountered at G-3; north landfill parcel; 907 Airport Drive, Weslaco, Texas.

Photo 3. Close-up of landfill debris encountered at G-3; north landfill parcel; 907 North Airport Drive, Weslaco, Texas.

Photo 4. Moisture associated with G-3 landfill debris; north landfill parcel; 907 North Airport Drive, Weslaco, Texas.

Photo 5. Use of track-mounted Geo Probe rig to install boring B-7; north landfill parcel; 907 North Airport Drive, Weslaco, Texas.

Photo 6. View of street sweeper discarding recovered material at west stockpile area; north landfill parcel; 907 North Airport Drive, Weslaco, Texas.

Photo 7. Installation of temporary landfill well in B-2 borehole; north landfill parcel; 907 North Airport Drive, Weslaco, Texas.

Photo 8. Installation of G-4 using track-mounted Geo Probe rig; south landfill parcel; 907 North Airport Drive, Weslaco, Texas.

Photo 9. View of fill and landfill debris encountered at B-5; north landfill parcel; 907 North Airport Drive, Weslaco, Texas.

Photo 10. Installation of G-2 utilizing track-mounted Geo Probe rig; south landfill parcel; 907 North Airport Drive, Weslaco, Texas.

Photo 11. Installation of G-1 using track-mounted Geo Probe rig; south landfill parcel; 907 North Airport Drive, Weslaco, Texas.

Photo 12. View of landfill debris encountered at G-1; south landfill parcel; 907 North Airport Drive, Weslaco, Texas.

Photo 13. Plugging and abandonment of B-2 following collection of landfill gas sample; north landfill parcel; 907 North Airport Drive, Weslaco, Texas.

Photo 14. Plugging and abandonment of G-4 following collection of ground water sample; north landfill parcel; 907 North Airport Drive, Weslaco, Texas.

Photo 15. Preparation for sampling of G-1; north landfill parcel; 907 North Airport Drive, Weslaco, Texas.

Photo 16. Collection of landfill gas sample from B-6; north landfill parcel; 907 North Airport Drive, Weslaco, Texas.

Photo 17. Representative view central soil stockpile area; north landfill parcel; 907 North Airport Drive, Weslaco, Texas.

Photo 18. Representative view of west stockpile area; north landfill parcel; 907 North Airport Drive, Weslaco, Texas.

APPENDIX B:

MAPS AND FIGURES

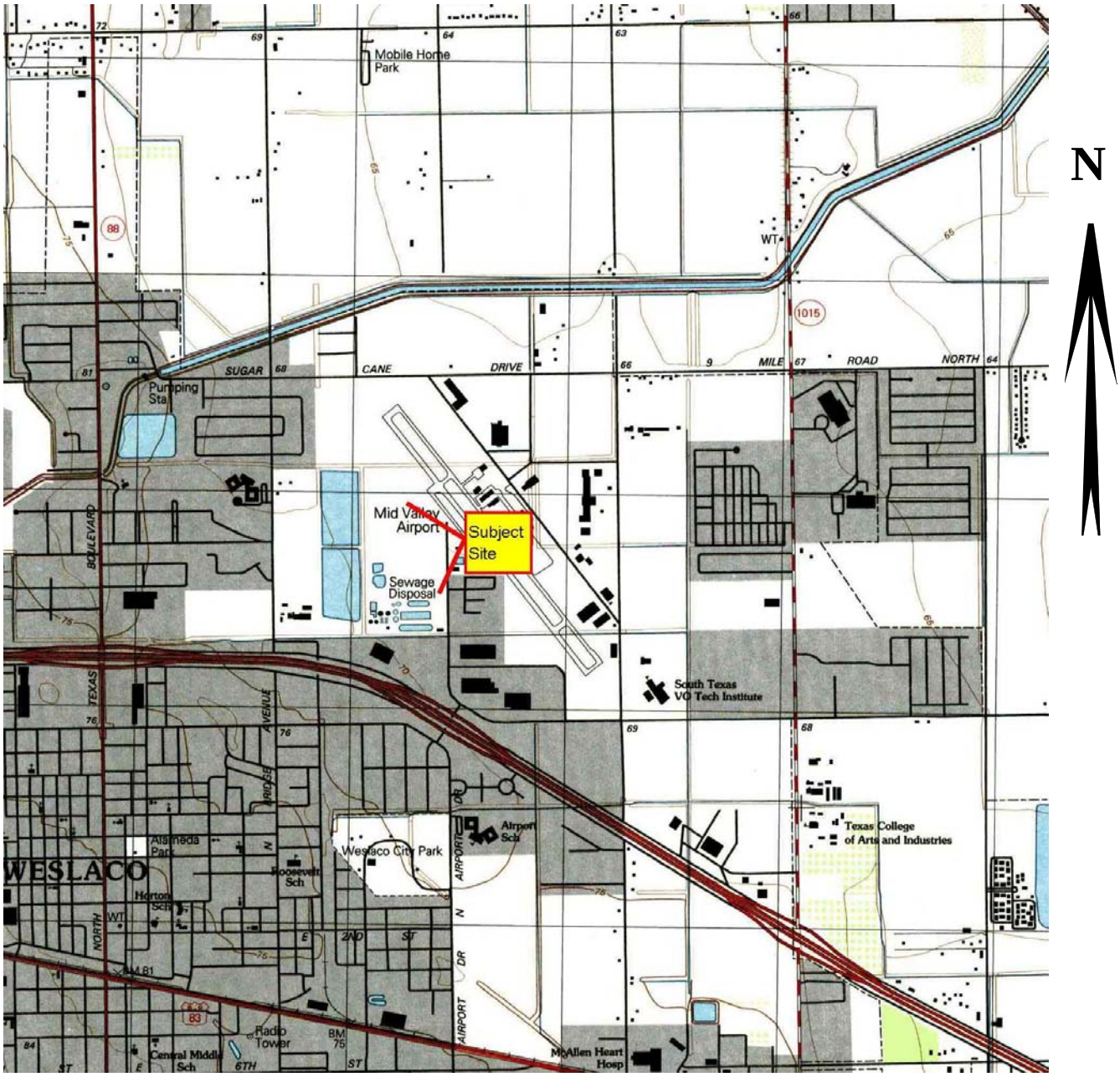
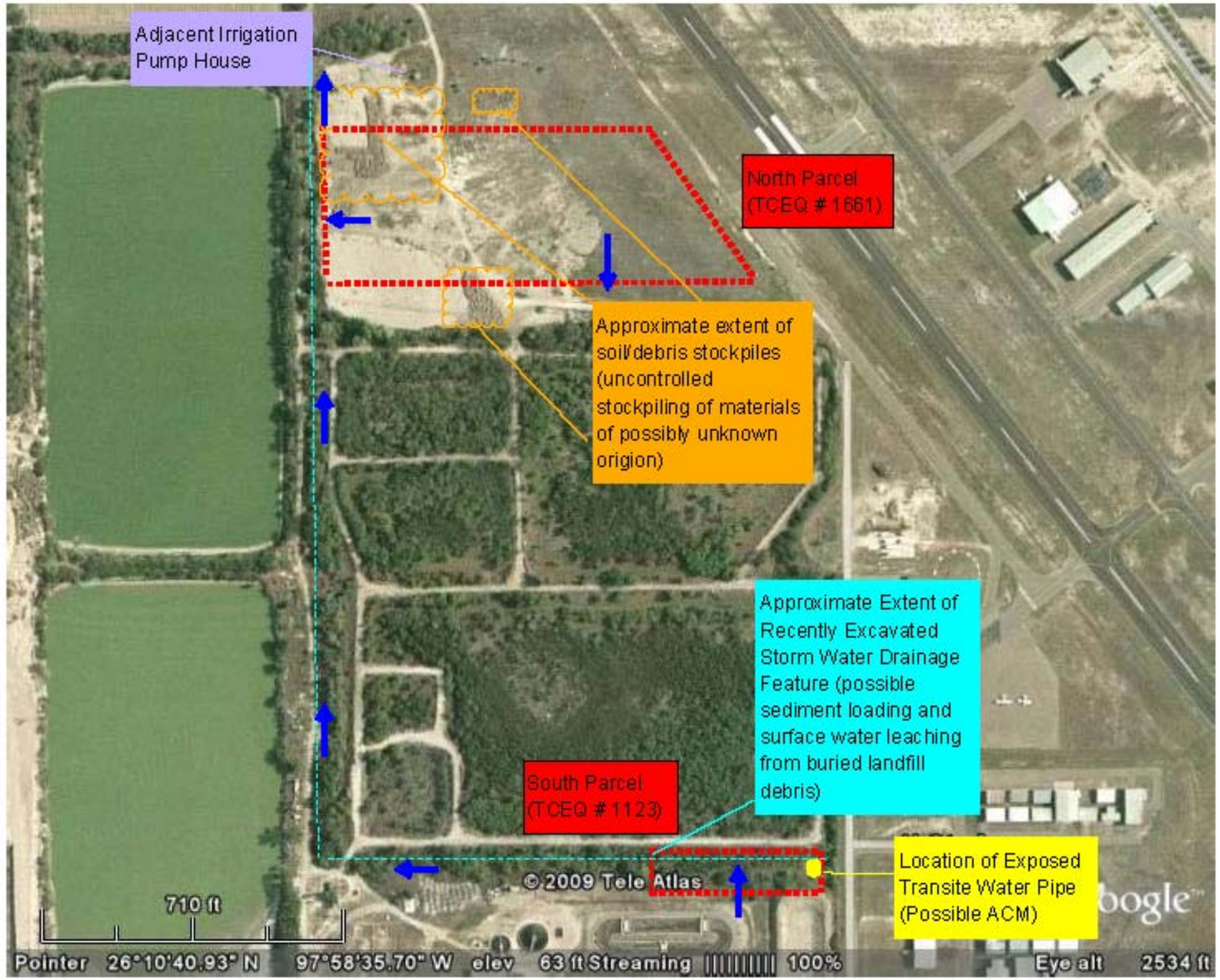


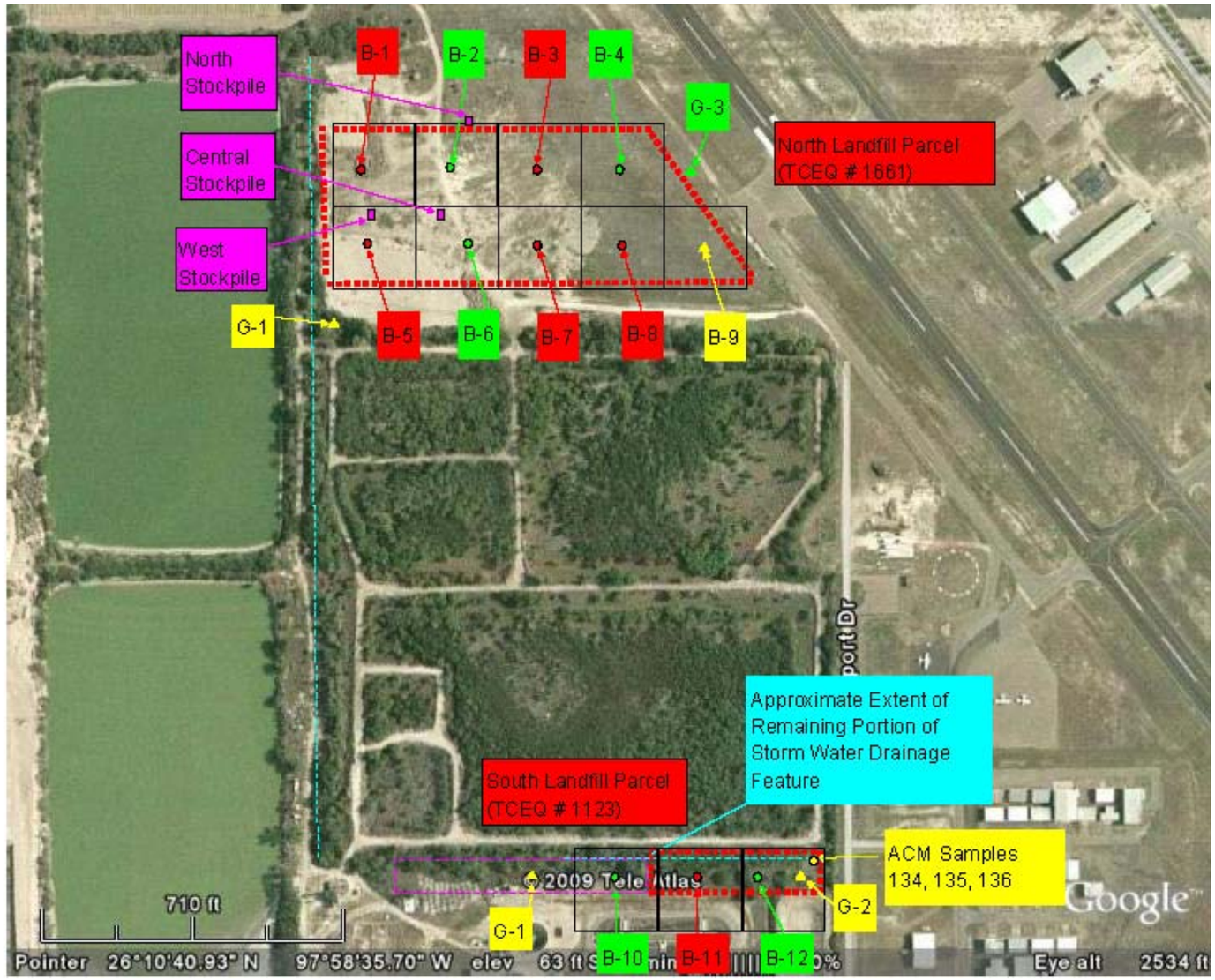
FIGURE 1: U.S.G.S. (7.5 MINUTE 2002) MERCEDES, TEXAS QUADRANGLE SHOWING TOPOGRAPHY, AND DRAINAGE IN THE VICINITY OF THE TWO FORMER LANDFILL PARCELS ASSOCIATED WITH SUBJECT SITE; 907 NORTH AIRPORT DRIVE, WESLACO, TEXAS.



LEGEND

- Surface Water Flow Direction
- Areas of Stockpiled Soil/Mulch/Construction Debris
- Storm Water Drainage Feature
- Approximate Site Boundaries

FIGURE 2: Former Landfill Parcels Site Map Illustrating Approximate Boundaries, Site Features, and RECS Identified During March 2009 Phase I ESA.



N

LEGEND

- G-1 Soil Boring/Temporary Monitoring Well Location
- G-3 Soil Boring/Landfill Leachate Sample Location
- B-10 Soil Boring/Landfill Gas Location
- B-11 Soil Boring Location
- 133 Asbestos Sample Location
- West Stockpile Soil Stockpile Sample
- Drainage Channel
- Approximate Landfill Boundaries Based on User Supplied Data
- Addiitonal Area of Surficial Landfill Debris Noted at South Landfill Parcel

FIGURE 3: Former Landfill Parcels Sample Location Site Map for August 2009 Phase II ESA

APPENDIX C:

RESULTS SUMMARY TABLES

Table 3
Former Landfill Parcels
Organic Compounds and Metals Detected in Ground Water and Leachate Samples
August 2009

Well Identification	Sample Identification	Parameter	Detected Concentration	EPA Ground Water MCL	TRRP Tier 1 PCL Commercial/Industrial $^{GW}GW_{Ing}$	TRRP Tier 1 PCL Commercial/Industrial 30 acre source area $^{Air}GW_{Inh-V}$
		Note: All values (except pH) are presented in µg/L				
G1	*LF-GW-G1	**Volatile Organic Compounds**				
		iodomethane	0.99 J	NA	100	3.1E+04
		acetone	9.6	NA	66,000	4.6E+07
		2-butanone (MEK)	1.9	NA	44,000	1.0+E09
		Total Petroleum Hydrocarbons				
		> C12-C28	510 J	NA	2,900	1.4E+06
		C6-C35	510 J	NA	NA	NA
		Metals				
		arsenic	**15**	**10**	**10**	NA
		barium	240	2,000	2,000	NA
		cadmium	2.1 J	5	5	NA
		chromium	13	100	100	NA
		lead	**58**	**15**	**15**	NA
		selenium	2.2 J	50	50	NA
G2	LF-GW-G2	**Organochlorine Pesticides**				
		delta-BHC	0.031 J	NA	1.1	7.9E+04
		Total Petroleum Hydrocarbons				
		> C12-C28	450 J	NA	2,900	1.4E+06
		C6-C35	450 J	NA	NA	NA
		Metals				
		arsenic	9.9	10	10	NA
		barium	140	2,000	2,000	NA
		chromium	4.2 J	100	100	NA
		lead	**17**	**15**	**15**	NA

Table 3
Former Landfill Parcels
Organic Compounds and Metals Detected in Ground Water and Leachate Samples
August 2009

Well Identification	Sample Identification	Parameter	Detected Concentration	EPA Ground Water MCL	TRRP Tier 1 PCL Commercial/Industrial $^{GW}GW_{Ing}$	TRRP Tier 1 PCL Commercial/Industrial 30 acre source area $^{Air}GW_{Inh-V}$
		Note: All values (except pH) are presented in µg/L				
G4	LF-GW-G4	**Volatile Organic Compounds**				
		iodomethane	0.37 J	NA	100	3.1E+04
		Semi-Volatile Organic Compounds				
		diethyl phthalate	0.95 J	NA	58,000	2.5E+07
		di-n-butyl phthalate	0.55 J	NA	7,300	1.3E+07
		Metals				
		arsenic	**12**	**10**	**10**	NA
		barium	190	2,000	2,000	NA
		cadmium	1.4 J	5	5	NA
		chromium	12	100	100	NA
		lead	**38**	**15**	**15**	NA
		selenium	1.4 J	50	50	NA
B9	LF-GW-B9	**Volatile Organic Compounds**				
		2-butanone (MEK)	0.96 J	NA	44,000	1.0+E09
		Semi-Volatile Organic Compounds				
		di-n-butyl phthalate	0.66 J	NA	7,300	1.3E+07
		Total Petroleum Hydrocarbons				
		> C12-C28	440 J	NA	2,900	1.4E+06
		C6-C35	440 J	NA	NA	NA
		Metals				
		silver	1.2	NA	370	NA
		arsenic	3.8	10	10	NA
		barium	28	2,000	2,000	NA
		chromium	1.8	100	100	NA
		lead	2.2	15	15	NA

Table 3
Former Landfill Parcels
Organic Compounds and Metals Detected in Ground Water and Leachate Samples
August 2009

Well Identification	Sample Identification	Parameter	Detected Concentration	EPA Ground Water MCL	TRRP Tier 1 PCL Commercial/Industrial $^{GW}GW_{Ing}$	TRRP Tier 1 PCL Commercial/Industrial 30 acre source area $^{Air}GW_{Inh-V}$
		Note: All values (except pH) are presented in µg/L				
G3	LF-LEC-G3	**Volatile Organic Compounds**				
		ethyl ether	0.47 J	NA	15,000	1.5E+07
		carbon disulfide	0.33 J	NA	7,300	8.8E+05
		acetone	9.4 J	NA	66,000	4.6E+07
		methyl tert-butyl ether	0.23 J	NA	730	8.8E+05
		benzene	1.6	5	5	3.9E+04
		1,4 dioxane	33 J	NA	190	2.7E+07
		toluene	0.56 J	1,000	1,000	1.2E+07
		ethylbenzene	19	700	700	2.8E+06
		1,2,4-trimethyl benzene	0.80 J	NA	730	3.4E+04
		total xylenes	3.9	10,000	10,000	1.9E+06
		Semi-Volatile Organic Compounds				
		3 & 4 methylphenol	2.3 J	NA	370	2.10E+07
		napthalene	2.3 J	NA	1,500	5.7E+04
		diethyl phthalate	1.3 J	NA	58,000	2.5E+07
		Organochlorine Pesticides				
		4,4'-DDE	0.022 J	NA	6	NA
		endrin ketone	0.025 J	NA	22	5.1E+05
		heptachlor epoxide	0.032 J	0.20	0.20	2.6E+04
		Total Petroleum Hydrocarbons				
		> C12-C28	1,400	NA	2,900	1.4E+06
		C6-C12	630	NA	2,900	3.2E+05
		C6-C35	2,000	NA	NA	NA

Table 3
Former Landfill Parcels
Organic Compounds and Metals Detected in Ground Water and Leachate Samples
August 2009

Well Identification	Sample Identification	Parameter	Detected Concentration	EPA Ground Water MCL	TRRP Tier 1 PCL Commercial/Industrial $^{GW}GW_{Ing}$	TRRP Tier 1 PCL Commercial/Industrial 30 acre source area $^{Air}GW_{Inh-V}$
		Note: All values (except pH) are presented in µg/L				
G3 (contd.)	LF-LEC-G3 (contd.)	**Metals**				
		arsenic	**14**	**10**	**10**	NA
		barium	**4,500**	**2,000**	**2,000**	NA
		cadmium	3.2	5	5	NA
		chromium	8.1	100	100	NA
		lead	**130**	**15**	**15**	NA
		selenium	2.4 J	50	50	NA
		Other Aanalytes				
		total organic carbon	500,000 B	NA	NA	NA
		pH	6.2	NA	NA	NA
G3	LF-LEC-G3 DUP	**Volatile Organic Compounds**				
		ethyl ether	0.45 J	NA	15,000	1.5E+07
		carbon disulfide	0.43 J	NA	7,300	8.8E+05
		acetone	5.8 J	NA	66,000	4.6E+07
		benzene	1.3 J	5	5	3.9E+04
		toluene	0.56 J	1,000	1,000	1.2E+07
		ethylbenzene	11	700	700	2.8E+06
		1,2,4-trimethyl benzene	0.55 J	NA	730	3.4E+04
		total xylenes	2.8	10,000	10,000	1.9E+06
		Semi-Volatile Organic Compounds				
		napthalene	2.1 J	NA	1,500	5.7E+04
		diethyl phthalate	0.96 J	NA	58,000	2.5E+07
		Total Petroleum Hydrocarbons				
		> C12-C28	1,200	NA	2,900	1.4E+06
		C6-C12	630	NA	2,900	3.2E+05
		C6-C35	1,800	NA	NA	NA

Table 3
Former Landfill Parcels
Organic Compounds and Metals Detected in Ground Water and Leachate Samples
August 2009

Well Identification	Sample Identification	Note: All values (except pH) are presented in µg/L				
		Parameter	**Detected Concentration**	**EPA Ground Water MCL**	**TRRP Tier 1 PCL Commercial/Industrial** ${}^{GW}GW_{Ing}$	**TRRP Tier 1 PCL Commercial/Industrial 30 acre source area** ${}^{Air}GW_{Inh-V}$
G3 (contd.)	**LF-LEC-G3 DUP (contd.)**	**Metals**				
		arsenic	8.3	10	10	NA
		barium	**4,500**	**2,000**	**2,000**	NA
		chromium	4.5 J	100	100	NA
		lead	3.1 J	15	15	NA
		selenium	2.1 J	50	50	NA
		Other Aanalytes				
		total organic carbon	480,000	NA	NA	NA
		**pH	6.2 HF	NA	NA	NA

**Field measurement of pH on 13 August 2009 yielded a a value of 6.4

Notes and Abbreviations :

µg/L - Micrograms per Liter

MCL - Maximum Contaminant Levels

HF – Field parameter with a holding time of 15 minutes..

J – Estimated Result. Result is less than reporting limit.

Shaded and bold value indicates analyte exceeds the constituent MCL and/or another screening critera

**Due to low water yield, an insuffecient volume of ground water recovery prevented herbicide analysis for this well.*

Table 4
Former Landfill Parcels
Analytical Results for Landfill Gas Samples
August 2009

Well Identification	Sample Identification	Parameter	Detected Concentration [%(v/v)]	Atmospheric Concentration (%)
North Landfill Parcel				
B-2	**LF-GAS-B2**	carbon dioxide	5.06	0.04
		oxygen	7.86	20.95
		nitrogen	75.3	78.8
		methane	**10.4**	0.00017
B-4	**LF-GAS-B4**	carbon dioxide	25.8	0.04
		oxygen	1.16 J	20.95
		nitrogen	70.6	78.8
		methane	1.39 J	0.00017
B-6	**LF-GAS-B6**	carbon dioxide	10.8	0.04
		oxygen	10.4	20.95
		nitrogen	76.5	78.8
		methane	0.231 J	0.00017
South Landfill Parcel				
B-10	**LF-GAS-B10**	carbon dioxide	2.40	0.04
		oxygen	19.1	20.95
		nitrogen	77.7	78.8
		methane	ND U	0.00017
B-12	**LF-GAS-B12**	carbon dioxide	0.170 J	0.04
		oxygen	20.7	20.95
		nitrogen	77.5	78.8
		methane	ND U	0.00017

Notes and Abbreviations :

J – Estimated Result. Result is less than reporting limit.

ND – Not Detected

U - Result is less than sample-specific method detection limit

Shaded and bold methane value is within the explosive limit for this gas in the vicinity of B-4

Table 5
Former Landfill Parcels
Organic Compounds and Metals Detected in Soil Stockpile Samples
August 2009

Boring ID	Sample ID	Parameter	Detected Concentration	EPA Regional Screening Level - Industrial Soil	TRRP Tier 1 $^{Tot}Soil_{Comb}$	TRRP Tier 1 $^{GW}Soil_{Ing}$	TRRP Tier 1 $^{GW}Soil_{Class\ 3}$	TRRP Tier 1 $^{Air}Soil_{Inh\text{-}V}$	TRRP Tier 1 $^{Air}GW\text{-}Soil_{Inh\text{-}V}$
		Note: All Values are Presented in µg/Kg							
NA	LF-Central Stockpile	**Volatile Organic Compounds**							
		1,1-dichloroethene	3.2 J	1.10E+06	6.40E+06	5.00E+01	5.00E+03	7.30E+06	1.70E+07
		methylene chloride	11 J	5.4E+04	9.6E+05	1.3E+01	1.3E+03	1.3E+06	5.6E+06
		acetone	22 J	6.1E+08	1.6E+07	1.3E+05	1.3E+07	1.6E+07	6.9E+08
		2-hexanone	2.2 J	NA	1.5E+05	1.2E+03	1.3E+06	1.5E+05	5.7E+06
		2-butanone (MEK)	4.2 J	1.9E+08	1.3E+08	8.7E+04	8.7E+06	1.6E+08	1.0E+09
		xylenes, total	.64 J	1.9E+07	1.2E+07	1.2E+05	1.2E+07	1.3E+07	1.8E+08
		Semi-Volatile Organic Compounds							
		fluoranthene	160 J	2.2E+07	2.5E+07	5.7E+06	5.7E+08	NA	NA
		pyrene	140 J	1.7E+07	1.9E+07	3.3E+06	3.3E+08	NA	NA
		butyl benzyl phthalate	83 J	9.1E+05	1.0E+07	5.9E+05	5.9E+07	3.5E+07	1.0E+09
		benzo(a)anthracene	88 J	2.1E+03	2.4E+04	4.0E+04	4.0E+06	6.3E+06	1.0E+09
		chrysene	130 J	2.1E+05	2.4E+06	3.5E+06	3.5E+08	9.9E+08	1.0E+09
		bis(2-ethylhexyl) phthalate	300 J	1.20E+05	5.60E+05	1.60E+05	1.60E+07	NA	NA
		benzo(b)fluroanthene	120 J	2.1E+03	2.4E+04	1.3E+05	1.3E+07	1.0E+07	1.0E+09
		benzo(a)pyrene	93 J	2.1E+02	2.4E+03	7.6E+03	7.6E+05	1.4E+06	1.0E+09
		benzo(g,h,I)perylene	77 J	NA	1.9E+07	1.4E+08	1.0E+09	NA	NA
		Organochlorine Pesticides							
		4,4'-DDE	9.4	5.1E+03	7.3E+04	2.6E+04	2.6E+06	NA	NA
		4,4'-DDT	2.9 J	7.0E+03	7.1E+04	3.3E+04	3.3E+06	2.0E+06	1.0E+09
		alpha-chlordane	4.7 J	NA	5.4E+04	1.7E+07	1.7E+08	6.9E+06	1.0E+09
		chlordane (technical)	50 J	6.5E+03	6.6E+04	9.6E+03	9.6E+05	2.1E+06	1.0E+09
		gamma-chlordane	5.0 J	NA	5.3E+04	9.2E+04	9.2E+06	1.6E+06	1.0E+09
		heptachlor	5.2 J	3.3E+02	3.3E+03	1.9E+02	1.9E+04	1.5E+04	5.0E+06
		Total Petroleum Hydrocarbons							
		>C12-C28	2.0E+05	NA	1.2E+07	5.9E+05	5.9E+07	2.1E+07	1.0E+09
		>C28-C35	2.3E+05	NA	1.2E+07	5.9E+05	5.9E+07	2.1E+07	1.0E+09
		C6-C12	6.6E+03 J	NA	3.9E+06	1.9E+05	1.9E+07	4.3E+06	1.6E+08
		C6-C35	4.4E+05	NA	NA	NA	NA	NA	NA
		Metals							
		arsenic	**1,700**	**1.6E+03**	2.0E+05	5.0E+03	5.0E+05	NA	NA
		barium	120,000	1.9E+08	1.0E+08	4.4E+05	4.4E+07	NA	NA
		cadmium	130 J	8.0E+05	8.5E+05	1.5E+03	1.5E+05	NA	NA
		chromium	3,500	1.40E+06	9.5E+07	2.4E+06	2.4E+08	NA	NA
		lead	**12,000**	8.00E+05	1.6E+06	**3.0E+03**	3.0E+05	NA	NA
		selenium	100 J	5.10E+06	4.8E+06	2.3E+03	2.3E+05	NA	NA

Table 5
Former Landfill Parcels
Organic Compounds and Metals Detected in Soil Stockpile Samples
August 2009

Boring ID	Sample ID	Note: All Values are Presented in µg/Kg							
		Parameter	Detected Concentration	EPA Regional Screening Level - Industrial Soil	TRRP Tier 1 $^{Tot}Soil_{Comb}$	TRRP Tier 1 $^{GW}Soil_{Ing}$	TRRP Tier 1 $^{GW}Soil_{Class\ 3}$	TRRP Tier 1 $^{Air}Soil_{Inh-V}$	TRRP Tier 1 $^{Air}GW-Soil_{Inh-V}$
NA	LF-Central Stockpile Dup	**Volatile Organic Compounds**							
		1,1-dichloroethene	1.3 J	1.10E+06	6.40E+06	5.00E+01	5.00E+03	7.30E+06	1.70E+07
		acetone	27 J	6.1E+08	1.6E+07	1.3E+05	1.3E+07	1.6E+07	6.9E+08
		2-hexanone	2.1 J	NA	1.5E+05	1.2E+03	1.3E+06	1.5E+05	5.7E+06
		2-butanone (MEK)	5.0 JB	1.9E+08	1.3E+08	8.7E+04	8.7E+06	1.6E+08	1.0E+09
		Semi-Volatile Organic Compounds							
		fluoranthene	140 J	2.2E+07	2.5E+07	5.7E+06	5.7E+08	NA	NA
		pyrene	120 J	1.7E+07	1.9E+07	3.3E+06	3.3E+08	NA	NA
		butyl benzyl phthalate	74 J	9.1E+05	1.0E+07	5.9E+05	5.9E+07	3.5E+07	1.0E+09
		chrysene	93 J	2.1E+05	2.4E+06	3.5E+06	3.5E+08	9.9E+08	1.0E+09
		bis(2-ethylhexyl) phthalate	400 J	1.20E+05	5.60E+05	1.60E+05	1.60E+07	NA	NA
		benzo(b)fluroanthene	88 J	2.1E+03	2.4E+04	1.3E+05	1.3E+07	1.0E+07	1.0E+09
		Organochlorine Pesticides							
		4,4'-DDE	8.0 J	5.1E+03	7.3E+04	2.6E+04	2.6E+06	NA	NA
		4,4'-DDT	3.2 J	7.0E+03	7.1E+04	3.3E+04	3.3E+06	2.0E+06	1.0E+09
		alpha-chlordane	4.7 J	NA	5.4E+04	1.7E+07	1.7E+08	6.9E+06	1.0E+09
		chlordane (technical)	38 J	6.5E+03	6.6E+04	9.6E+03	9.6E+05	2.1E+06	1.0E+09
		heptachlor	3.8 J	3.3E+02	3.3E+03	1.9E+02	1.9E+04	1.5E+04	5.0E+06
		Total Petroleum Hydrocarbons							
		>C12-C28	1.8E+05	NA	1.2E+07	5.9E+05	5.9E+07	2.1E+07	1.0E+09
		>C28-C35	2.2E+05	NA	1.2E+07	5.9E+05	5.9E+07	2.1E+07	1.0E+09
		C6-C12	6.4E+03 J	NA	3.9E+06	1.9E+05	1.9E+07	4.3E+06	1.6E+08
		C6-C35	4.1E+05	NA	NA	NA	NA	NA	NA
		Metals							
		arsenic	1,200	1.6E+03	2.0E+05	5.0E+03	5.0E+05	NA	NA
		barium	120,000	1.9E+08	1.0E+08	4.4E+05	4.4E+07	NA	NA
		cadmium	99 J	8.0E+05	8.5E+05	1.5E+03	1.5E+05	NA	NA
		chromium	2,300	1.40E+06	9.5E+07	2.4E+06	2.4E+08	NA	NA
		lead	**12,000**	8.00E+05	1.6E+06	**3.0E+03**	3.0E+05	NA	NA
		selenium	73 J	5.10E+06	4.8E+06	2.3E+03	2.3E+05	NA	NA

Table 5
Former Landfill Parcels
Organic Compounds and Metals Detected in Soil Stockpile Samples
August 2009

Boring ID	Sample ID	Parameter	Detected Concentration	EPA Regional Screening Level - Industrial Soil	TRRP Tier 1 $^{Tot}Soil_{Comb}$	TRRP Tier 1 $^{GW}Soil_{Ing}$	TRRP Tier 1 $^{GW}Soil_{Class\ 3}$	TRRP Tier 1 $^{Air}Soil_{Inh-V}$	TRRP Tier 1 $^{Air}GW\text{-}Soil_{Inh-V}$
		Note: All Values are Presented in µg/Kg							
NA	LF-West Stockpile	**Volatile Organic Compounds**							
		1,1-dichloroethene	3.9 J	1.10E+06	6.40E+06	5.00E+01	5.00E+03	7.30E+06	1.70E+07
		methylene chloride	20 JB	5.4E+04	9.6E+05	1.3E+01	1.3E+03	1.3E+06	5.6E+06
		acetone	33	6.1E+08	1.6E+07	1.3E+05	1.3E+07	1.6E+07	6.9E+08
		4-methyl-2-pentanone	1.8 J	5.2E+07	4.1E+07	1.5E+04	1.5E+06	8.1E+07	1.0E+09
		2-hexanone	3.6 J	NA	1.5E+05	1.2E+03	1.3E+06	1.5E+05	5.7E+06
		1,2,4-trimethylbenzene	0.78 J	2.8E+05	2.1E+05	2.9E+04	2.9E+06	2.2E+05	1.1E+07
		2-butanone (MEK)	6.9 B	1.9E+08	1.3E+08	8.7E+04	8.7E+06	1.6E+08	1.0E+09
		Semi-Volatile Organic Compounds							
		fluoranthene	96 J	2.2E+07	2.5E+07	5.7E+06	5.7E+08	NA	NA
		pyrene	91.J	1.7E+07	1.9E+07	3.3E+06	3.3E+08	NA	NA
		butyl benzyl phthalate	130 J	9.1E+05	1.0E+07	5.9E+05	5.9E+07	3.5E+07	1.0E+09
		chrysene	70 J	2.1E+05	2.4E+06	3.5E+06	3.5E+08	9.9E+08	1.0E+09
		bis(2-ethylhexyl) phthalate	220 J	1.20E+05	5.60E+05	1.60E+05	1.60E+07	NA	NA
		benzo(b)fluroanthene	83 J	2.1E+03	2.4E+04	1.3E+05	1.3E+07	1.0E+07	1.0E+09
		Organochlorine Pesticides							
		4,4'-DDE	10	5.1E+03	7.3E+04	2.6E+04	2.6E+06	NA	NA
		Total Petroleum Hydrocarbons							
		>C12-C28	1.1E+05	NA	1.2E+07	5.9E+05	5.9E+07	2.1E+07	1.0E+09
		>C28-C35	1.8E+05	NA	1.2E+07	5.9E+05	5.9E+07	2.1E+07	1.0E+09
		C6-C12	6.6E+03 J	NA	3.9E+06	1.9E+05	1.9E+07	4.3E+06	1.6E+08
		C6-C35	3.0E+05	NA	NA	NA	NA	NA	NA
		Metals							
		arsenic	**2,000**	**1.6E+03**	2.0E+05	5.0E+03	5.0E+05	NA	NA
		barium	140,000	1.9E+08	1.0E+08	4.4E+05	4.4E+07	NA	NA
		cadmium	94 J	8.0E+05	8.5E+05	1.5E+03	1.5E+05	NA	NA
		chromium	11,000	1.40E+06	9.5E+07	2.4E+06	2.4E+08	NA	NA
		lead	**40,000**	8.00E+05	1.6E+06	**3.0E+03**	3.0E+05	NA	NA
		selenium	90 J	5.10E+06	4.8E+06	2.3E+03	2.3E+05	NA	NA

Table 5
Former Landfill Parcels
Organic Compounds and Metals Detected in Soil Stockpile Samples
August 2009

Boring ID	Sample ID	Parameter	Detected Concentration	EPA Regional Screening Level - Industrial Soil	TRRP Tier 1 $^{Tot}Soil_{Comb}$	TRRP Tier 1 $^{GW}Soil_{Ing}$	TRRP Tier 1 $^{GW}Soil_{Class\ 3}$	TRRP Tier 1 $^{Air}Soil_{Inh-V}$	TRRP Tier 1 $^{Air}GW-Soil_{Inh-V}$
		Note: All Values are Presented in µg/Kg							
NA	LF-North Stockpile	**Volatile Organic Compounds**							
		1,1-dichloroethene	2.4 J	1.10E+06	6.40E+06	5.00E+01	5.00E+03	7.30E+06	1.70E+07
		methylene chloride	7.0 J	5.4E+04	9.6E+05	1.3E+01	1.3E+03	1.3E+06	5.6E+06
		acetone	7.6 J	6.1E+08	1.6E+07	1.3E+05	1.3E+07	1.6E+07	6.9E+08
		Semi-Volatile Organic Compounds							
		bis(2-ethylhexyl) phthalate	51 J	1.20E+05	5.60E+05	1.60E+05	1.60E+07	NA	NA
		Organochlorine Pesticides							
		4,4'-DDE	2.0 J	5.1E+03	7.3E+04	2.6E+04	2.6E+06	NA	NA
		heptachlor	1.7 J	3.3E+02	3.3E+03	1.9E+02	1.9E+04	1.5E+04	5.0E+06
		Total Petroleum Hydrocarbons							
		>C12-C28	1.6E+04 J	NA	1.2E+07	5.9E+05	5.9E+07	2.1E+07	1.0E+09
		>C28-C35	2.1E+04 J	NA	1.2E+07	5.9E+05	5.9E+07	2.1E+07	1.0E+09
		C6-C35	3.7E+04 J	NA	NA	NA	NA	NA	NA
		Metals							
		arsenic	**2,100**	**1.6E+03**	2.0E+05	5.0E+03	5.0E+05	NA	NA
		barium	74,000	1.9E+08	1.0E+08	4.4E+05	4.4E+07	NA	NA
		cadmium	120 J	8.0E+05	8.5E+05	1.5E+03	1.5E+05	NA	NA
		chromium	4,200	1.40E+06	9.5E+07	2.4E+06	2.4E+08	NA	NA
		lead	**6,500**	8.00E+05	1.6E+06	**3.0E+03**	3.0E+05	NA	NA
		selenium	150 J	5.10E+06	4.8E+06	2.3E+03	2.3E+05	NA	NA

Notes and Abbreviations :
µg/-kg Micrograms per Kilogram
MCL - Maximum Contaminant Levels
J – Estimated Result. Result is less than reporting limit.
Shaded and bold value indicates analyte exceeds the constituent MCL and/or another screening critera

Table 7
Former Landfill Parcels
Abandoned Water Pipe Samples - South Landfill Parcel
August 2009

Sample Identification	Material Description	Condition	Asbestos Content
North Landfill Parcel			
133	8" cemented fibers pipe, gray	Minor Damage	10% Chrysotile
134	8" cemented fibers pipe, gray	Minor Damage	10% Chrysotile 5% Crocidolite
135	8" cemented fibers pipe, gray	Minor Damage	15% Chrysotile

APPENDIX D:

LABORATORY DATA PACKAGE

Data Usability Summary

Data Usability Summary

EA, Engineering, Science, and Technology employee Kim Wallace-Wymore reviewed three data packages from Test America, Inc. for the analysis of water matrix samples collected at the City of Weslaco Former Landfill Parcels as part of a Phase II Site Assessment. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) and adherence to project objectives.

Intended Use of Data

The intended uses of the data are to characterize the presence of chemicals of concern (COCs) in the soil and ground water at the property, perform a screening-level evaluation of the subsurface conditions of the site, profile wastes generated during site activities for disposal, and to provide consistent data to allow comparison to past and future analytical data generated from samples collected at the site.

Analyses requested included:

- SW-846 8260B – Volatile Organic Compounds (VOCs) by Gas Chromatography-Mass Spectrometry (GC/MS);
- TCEQ TX 1005 – Total Petroleum Hydrocarbons (TPH) by Gas Chromatography;
- SW-846 8270C - Semi Volatile Organic Compounds (SVOCs) by Gas Chromatography-Mass Spectrometry (GC/MS)
- SW-846 8081B – Organochlorine Pesticides by Gas Chromatography;
- SW-846 8151A – Herbicides by Gas Chromatography;
- SW-846 6020 – Total Metals by Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)
- SW-846 7470A – Total Mercury in Liquid Waste (Manual Cold-Vapor Technique); and
- SW-846 7471A – Total Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Technique).

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data*, (RG-366/TRRP-13) and the results of the review/validation are discussed in this Data Usability Summary (DUS). The following laboratory submittals and field data were examined:

- The reportable data; and

- The laboratory review checklists and associated exception reports.

The results of supporting quality control (QC) analyses were summarized in the case narratives, which is included in this review. The LRCs, associated ERs, and reportable data included in this review are attached to this DUS.

Introduction

A total of six ground water and leachate samples (including one duplicate) were collected. Table D-1 lists the sample identifications cross-referenced to laboratory identifications for those samples that were submitted to the laboratory.

Data Review / Validation Results

Analytical Results

Soil analytical results are reported corrected for moisture content where applicable. Qualified sample data are listed in Table D-2. Non-detected results are evaluated as less than the value of the sample quantitation limit (SQL) as defined by the TRRP rule.

Preservation and Holding Times

Samples were evaluated for agreement with the chain-of-custody. All samples were received in the appropriate containers and in good condition with the paperwork filled out properly. Sample receipt temperatures were reportedly within an acceptable range. Samples were prepared and analyzed within holding times specified in SW-846 Table 2-36.

Samples were preserved in the field as specified in SW-846 Table 2-36 with the following exceptions:

- The water samples LF-GW-G4, LF-GW-G2, LW-GW-G1, and LF-LEC-G3 were received with insufficient nitric acid preservation. The pH was checked when samples were logged in, and the measured pH was greater than 2.0. The laboratory adjusted the pH with 1:1 nitric acid prior to sample digestion and allowed the sample to sit for a minimum of 24 hours as required. Due to the potential for low bias in the results, the detected metal results were qualified JL and the non-detect metal results were qualified UJL.

- The VOC vials for sample LF-LEC-G3-DUP were received at the laboratory with headspace, indicating that a loss of volatiles may have occurred in the sample. The VOC vials in the parent sample (LF-LEC-G3) were received in good condition and without headspace. A total of ten VOCs were detected in the parent sample. Eight of these compounds were detected in the duplicate sample, and were detected at lower concentrations than the amount reported in the parent sample. The acetone results were qualified UJ due to acetone being detected in blanks at similar concentrations, and were not additionally qualified. Due to the potential for low bias in the results, the remaining nine compounds detected in the parent sample were qualified JL or UJL (as appropriate) in sample LF-LEC-G3-DUP. The qualified data are listed in Table D-2.

Calibrations

The laboratory case narrative stated the continuing calibration verification (CCV) for chlordane was recovered above acceptable limits in the analysis batch 560-39026. The samples analyzed under this CCV were below detection limits for the affected analytes. Therefore, no data qualification is required.

Blanks

Project and laboratory method blanks were below laboratory detection limits with the following exceptions:

- The rinsate blank and field blank associated with report 560-16828-1 contained acetone at 5.5 µg/L and 5.2 µg/L respectively. Acetone was detected in samples LF-GW-G1 and LF-LEC-G3 at similar concentrations to the amount detected in the blanks. Therefore the data were qualified UJ.

- The rinsate blank and field blank associated with report 560-16836-1 contained acetone at 7.0 µg/L and 7.7 µg/L respectively. Acetone was detected in sample LF-LEC-G3-DUP at a similar concentration to the amount detected in the blanks, and was therefore qualified UJ.

Internal Standards and Surrogate Recoveries

Surrogate recoveries were within the acceptable limits with the following exceptions:

- The pesticide surrogate tetrachloro-m-xylene was recovered below acceptable limits in sample LF-LEC-G3. The second surrogate was recovered within acceptable limits. For these reasons, no data were qualified.

- The herbicide surrogate 2,4-dichlorophenylacetic acid was recovered above acceptable limits in sample LF-LEC-G3. The laboratory stated the high recovery was due to matrix interference. No herbicide compounds were detected in the sample, effectively negating the potential for high bias. Therefore, no data were qualified.

- Due to a laboratory oversight, the TPH 1005 LCSD associated with batch 560-39040 was double spiked with the surrogate compounds o-terphenyl and 1-chlorooctane. Although the surrogate recoveries were above acceptable limits, the LCSD recovery was acceptable. Data qualification is not required.

Laboratory Control Samples

Laboratory control sample (LCS) recoveries met the laboratory internal project objectives for percent recovery with the following exceptions:

- Trans-1,2-dichloroethene was recovered below acceptable limits in the LCS associated with batch 560-38897. This compound was not detected in the associated project samples with a detection limit of 0.20 µg/L, which is significantly lower than the MCL and TRRP screening level of 100 µg/L. A slight low bias in the result would not cause

the concentrations to exceed the screening levels. Therefore, no data were qualified based on the LCS recoveries.

- Pyrene, benzo(a)pyrene, and 2-nitroaniline were recovered above acceptable limits in the LCS associated with batch 560-38959. These compounds were not detected in the project samples, effectively negating the potential for high bias in the results. Therefore, no data qualification is required.

- The RPDs for dalapon and MCPP in the LCS/LCSD pair associated with batch 560-19458 exceeded the laboratory acceptance criteria. The individual recoveries were within acceptable limits. Therefore, no data qualification is required.

Matrix Spike/Matrix Spike Duplicates (MS/MSD)

MS/MSD recoveries were within acceptable limits with the following exceptions:

- Silver was recovered below acceptable limits in the MS/MSD associated with prep batch 560-38884, indicating a potential for low bias in the sample results. Silver was detected in sample LF-GW-B9 at 1.2 µg/L, which is significantly less than the screening level of 370 µg/L. A slight low bias in the result would not cause the concentration to exceed the screening level. Therefore, no data were qualified based on the MS/MSD recoveries.

- Arsenic was recovered below acceptable limits in the MS/MSD associated with prep batch 560-38884, indicating a potential for low bias in the sample results. The reported concentrations in the affected samples range from 9.9 µg/L to 38 µg/L, which exceed the lowest applicable screening level for arsenic (10 µg/L). Because concentrations were reported above the screening level, a slight low bias in the results would not affect the conclusions of the assessment. Therefore, no data were qualified.

- Cadmium was recovered below acceptable limits in the MS/MSD associated with prep batch 560-38884, indicating a potential for low bias in the sample results. The reported concentrations in the affected samples range from 1.4 µg/L to 3.2 µg/L. The lowest screening level value for cadmium is 1.8 µg/L. Because concentrations were reported above the screening level, a slight low bias in the results would not affect the conclusions of the assessment. Therefore, no data were qualified.

- Chromium was recovered below acceptable limits in the MS/MSD associated with prep batch 560-38884, indicating a potential for low bias in the sample results. The reported concentrations in the affected samples range from 1.8 µg/L to 13 µg/L, which is significantly less than the screening level of 100 µg/L. A slight low bias in the results would not cause the concentrations to exceed the screening level. Therefore, no data were qualified based on the MS/MSD recoveries.

- Selenium was recovered below acceptable limits in the MS/MSD associated with prep batch 560-38884, indicating a potential for low bias in the sample results. The reported concentrations in the affected samples range from 1.4 µg/L to 2.4 µg/L, which is

significantly less than the screening level of 50 µg/L. A slight low bias in the results would not cause the concentrations to exceed the screening level. Therefore, no data were qualified based on the MS/MSD recoveries.

- 2-Nitroaniline was recovered above acceptable limits in the MS/MSD associated with batch 560-38959. This compound was not detected in the associated project samples, effectively negating the potential for high bias. Therefore, no data were qualified.

- Delta-BHC was recovered above acceptable limits in the MS/MSD associated with batch 560-38882, indicating a potential for high bias in the results. This compound was detected in sample LF-GW-G2 at 0.031 µg/L, which is significantly less than the screening level of 1.1 µg/L. A slight high bias in the results will not affect the conclusions of this assessment. Therefore, no data were qualified.

- Dalapon was recovered below acceptable limits in the MS/MSD associated with prep batch 600-19458. The laboratory stated the low recovery was due to sample matrix interferences that required dilution. Dalapon was not detected in the associated project samples. The detection limits ranged from 0.99 µg/L to 10 µg/L, which is significantly lower than the screening level of 200 µg/L. A slight low bias in the results would not affect the conclusions of this assessment. Therefore, no data were qualified.

- Mercury was recovered below acceptable limits in the MS/MSD for batch 560-39023, indicating a potential for low bias in the results. Mercury was not detected in the project samples. The detection limit for the samples was 0.13 µg/L, which is significantly lower than the screening level of 2.0 µg/L. A slight low bias in the results would not affect the conclusions of this assessment. Therefore, no data were qualified.

- Acetone and acetonitrile were recovered below acceptable limits in the MS/MSD for batch 560-38942, indicating a potential for low bias in the results. The acetone results were qualified UJ due the presence of acetone in the blanks, and therefore were not additionally qualified. Acetonitrile was not detected in the associated project samples. The detection limit of 2.2 µg/L is significantly below the screening level of 2,300 µg/L. A slight low bias in the results would not affect the conclusions of this assessment. For these reasons, no data were qualified.

- Pentachlorophenol was recovered above acceptable limits in the MS/MSD for batch 560-38959 (prep batch 560-38943), indicating a potential for high bias in the results. This compound was not detected in the associated project samples, effectively negating the potential for high bias. Therefore, no data were qualified.

- The following compounds were recovered below acceptable limits in the MS/MSD for batch 560-38959 (prep batch 560-38943), indicating a potential for low bias in the results: 4-chloroaniline, 3-nitroaniline, 4-nitroaniline, and 3,3'-dichlorobenzidine. These compounds were not detected in the project samples. The detection limits are significantly below the respective screening level for each compound. A slight low bias in the results would not affect the conclusions of this assessment. Therefore, no data were qualified.

- MCPA and 2,4-DB were recovered above acceptable limits in the MS/MSD for batch 600-19668 (prep batch 600-19540). These compounds were not detected in the associated project samples, effectively negating the potential for high bias. Therefore, no data were qualified.

- Beta-BHC was recovered above acceptable limits in the matrix spike associated with batch 560-39026. This compound was not detected in the associated project samples, effectively negating the potential for high bias. Therefore, no data were qualified.

- The following compounds were recovered below acceptable limits in the matrix spike associated with batch 560-39026: 4,4'-DDE, 4,4'-DDT, and endrin aldehyde. These compounds were not detected in the project samples. The detection limits are significantly below the respective screening level for each compound. A slight low bias in the results would not affect the conclusions of this assessment. Therefore, no data were qualified.

- Barium was recovered below acceptable limits in the MS/MSD associated with prep batch 560-38931. However, the concentration of the parent sample was greater than the spike amount, and the high recovery is not considered representative of the matrix effect. Therefore, no data qualification is required.

- Selenium was recovered below acceptable limits in the MS/MSD associated with prep batch 560-38931, indicating a potential for low bias in the sample results. The reported concentration in the affected sample is 2.1 µg/L, which is significantly less than the screening level of 50 µg/L. A slight low bias in the results would not cause the concentrations to exceed the screening level. Therefore, no data were qualified based on the MS/MSD recoveries.

- Cadmium was recovered below acceptable limits in the MS/MSD associated with prep batch 560-38931, indicating a potential for low bias in the sample results. Cadmium was not detected in the affected project samples. The lowest screening level value for cadmium is 1.8 µg/L. Because concentrations were reported above the screening level at this site, a slight low bias would not affect the conclusions of the assessment. Therefore, no data were qualified.

MS/MSD calculations were not performed for the project samples associated with report 560-16847-1 due to insufficient sample volume. The LCS recoveries were within acceptable limits with the exceptions outlined in the previous section. Data qualification is not warranted in this scenario.

Field Precision

The water matrix sample LF-LEC-G3 was duplicated. Of the 25 analytes detected, the RPDs for 9 analytes were above the project objective of 25 percent. Five of the analytes (carbon disulfide, acetone, ethylbenzene, 1,2,4-trimethylbenzene, and xylenes) were VOCs analyzed by 8260. The 8260 results in the duplicate sample were qualified with a low bias due to the presence of headspace in the vials, and therefore these results were not additionally qualified

due to lack of precision. The elevated RPDs in chromium, lead, and diethyl phthalate are likely due to the inherent variability of concentrations reported near the detection limit and were not qualified. The arsenic concentrations were above the reporting limit, and were qualified P due to the elevated RPD. The calculated RPDs are listed in Table D-3.

Summary

All data as qualified are considered to be of sufficient quality (i.e., useable) for the stated purposes in this DUS - to determine the presence of chemicals of concern in the environmental media, to perform screening-level assessments, profile for disposal the wastes that were generated during the environmental investigations, and to provide consistent data to allow comparison to past and future analytical data generated from samples collected at the site.

Table D-1. Cross-Reference Field Sample Identifications and Laboratory Identifications	
Field Identification	**Laboratory Identification**
LF-GW-B9	560-16828-1
LF-GW-G4	560-16828-2
LF-GW-G2	560-16828-3
LF-GW-RB	560-16828-4
LF-GW-FB	560-16828-5
LF-GW-G1	560-16828-6
LF-LEC-G3	560-16828-7
Trip Blank	560-16828-8
Trip Blank	560-16836-1
LF-LEC-G3-DUP	560-16836-2
LF-LEC-RB	560-16836-3
LF-LEC-FB	560-16836-4
LF-GW-G1	560-16847-1
LF-GW-G1	560-16847-2

Table D-2. Qualified Analytical Data			
Field Identification	**Analyte**	**Qualification**	**Reason for Qualification**
LF-LEC-G3-DUP	Ethyl ether	JL	Potential for low bias in the result due to reported headspace in the sample container.
LF-LEC-G3-DUP	Carbon disulfide	JL	Potential for low bias in the result due to reported headspace in the sample container.
LF-LEC-G3-DUP	Benzene	JL	Potential for low bias in the result due to reported headspace in the sample container.
LF-LEC-G3-DUP	Toluene	JL	Potential for low bias in the result due to reported headspace in the sample container.
LF-LEC-G3-DUP	Ethylbenzene	JL	Potential for low bias in the result due to reported headspace in the sample container.
LF-LEC-G3-DUP	1,2,4-Trimethylbenzene	JL	Potential for low bias in the result due to reported headspace in the sample container.
LF-LEC-G3-DUP	Xylenes	JL	Potential for low bias in the result due to reported headspace in the sample container.
LF-LEC-G3-DUP	MTBE	UJL	Potential for low bias in the result due to reported headspace in the sample container.
LF-LEC-G3-DUP	1,4-Dioxane	UJL	Potential for low bias in the result due to reported headspace in the sample container.
LF-GW-G1	Acetone	UJ	Analyte was detected in one or more project blanks at a similar concentration.
LF-LEC-G3	Acetone	UJ	Analyte was detected in one or more project blanks at a similar concentration.
LF-LEC-G3-DUP	Acetone	UJ	Analyte was detected in one or more project blanks at a similar concentration.
LF-LEC-G3	Arsenic	P	Elevated RPD between the parent and duplicate sample.
LF-GW-G4	detected metals	JL	Sample was received at the laboratory with a pH greater than 2.0, indicating a potential for low bias.
LF-GW-G4	metals below detection limits	UJL	Sample was received at the laboratory with a pH greater than 2.0, indicating a potential for low bias.
LF-GW-G2	detected metals	JL	Sample was received at the laboratory with a pH greater than 2.0, indicating a potential for low bias.
LF-GW-G2	metals below detection limits	UJL	Sample was received at the laboratory with a pH greater than 2.0, indicating a potential for low bias.
LF-GW-G1	detected metals	JL	Sample was received at the laboratory with a pH greater than 2.0, indicating a potential for low bias.
LF-GW-G1	metals below detection limits	UJL	Sample was received at the laboratory with a pH greater than 2.0, indicating a potential for low bias.
LF-LEC-G3	detected metals	JL	Sample was received at the laboratory with a pH greater than 2.0, indicating a potential for low bias.

Table D-2. Qualified Analytical Data			
Field Identification	**Analyte**	**Qualification**	**Reason for Qualification**
LF-LEC-G3	metals below detection limits	UJL	Sample was received at the laboratory with a pH greater than 2.0, indicating a potential for low bias.

J – Estimated data; the reported quantitation limit or sample concentration is approximated due to exceedance of one or more QC requirements.
U – The value of the sample is qualified less than SQL (i.e., nondetect).
L – Bias in sample result likely to be low.
P – High RPD between parent and field duplicate samples.

Table D-3 - Field Precision

Field Identification	Analyte	Sample Result	Duplicate Result	RPD[a]	Qualified
LF-LEC-G3 / LF-LEC-G3 DUP	Ethyl ether	0.47	0.45	4.3	-
	Carbon disulfide	0.33	0.43	26.3	-
	Acetone	9.4	5.8	47.4	-
	MTBE	0.23	ND	NA	-
	Benzene	1.6	1.3	20.7	-
	1,4-Dioxane	33	ND	NA	-
	Toluene	0.56	0.55	1.8	-
	Ethylbenzene	19	11	53.3	-
	1,2,4-Trimethylbenzene	0.8	0.55	37.0	-
	Xylenes	3.9	2.8	32.8	-
	3&4 Methylphenol	2.3	ND	NA	-
	Naphthalene	2.3	2.1	9.1	-
	Diethyl phthalate	1.3	0.96	30.1	-
	4,4'-DDE	0.022	ND	NA	-
	Endrin ketone	0.025	ND	NA	-
	Heptachlor epoxide	0.032	ND	NA	-
	TPH (C12-C28)	1.4	1.2	15.4	-
	TPH (C6-C12)	0.63	0.63	0.0	-
	TPH (C6-C35)	2	1.8	10.5	-
	Arsenic	0.014	0.0083	51.1	P
	Barium	4.5	4.5	0.0	-
	Cadmium	0.0032	ND	NA	-
	Chromium	0.0081	0.0045	57.1	-
	Lead	0.13	0.0031	190.7	-
	Selenium	0.0024	0.0021	13.3	-

[a] RPD = ((SR-DR)*200)/(SR+DR) (Note: a negative value indicates the value for the duplicate sample was greater than the value for the initial sample).
ND - Not detected at quantitation limits stated in the analytical report.
NA - Not Applicable.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 560-16828-1

Job Description: EPA RFO-20 - Weslaco, Texas

For:
ARGO Systems LLC
1403 Madison Park Drive
Suite 205
Glen Burnie, MD 21061

Attention: Mr. Robert D Roop

Approved for release.
Julie Darrow
Project Manager I
8/31/2009 3:40 PM

Julie Darrow
Project Manager I
julie.darrow@testamericainc.com
08/31/2009

cc: Mr. Mark Paddack
Mr. Brian Yost

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Job Narrative
560-J16828-1

Sample Receipt

Samples 560-16828-2, 3, 6, and 7 were received with insufficient preservation. The pH was check at login and were found to be greater than pH 2, although the sample container and chain of custody indicated that the sample had been preserved with nitric acid. Therefore, the pH was adjusted with 1:1 nitric acid to pH <2 prior to sample digestion and allowed to sit for a minimum 24 hours as required.

All other samples were received in good condition within temperature requirements.

Volatile Organics Analysis

Samples 560-16828-1 through 8 were analyzed for Volatile Organics using EPA Method 8260B in batch 560-38897. TA full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows 5 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS had one analyte (trans-1,2-Dichloroethene) below the acceptance criteria by 1%. Re-extraction/re-analysis was not performed. These results have been reported and qualified.

Semivolatile Organics Analysis

Samples 560-16828-1, 2, 2MS, 3, 4, 5, and 7 were analyzed for Semivolatile Organics using EPA Method 8270C in batch 560-38959. The percent recovery results for the LCS associated with this batch and samples 1, 2, 2MS, 3, 4, 5, and 7 were above the acceptance criteria for 2-nitroaniline, pyrene, and benzo(a)pyrene. These analytes were biased high in the LCS and/or and were not detected in the associated samples; therefore, the data have been reported. Insufficient sample volume was provided to perform matrix spike duplicate; however an LCS and LCSD were analyzed.

Herbicide Analysis

Samples 560-16828-1, 2, 2MS, 3, 4, 5, and 7 were analyzed for Herbicides using EPA Method 8151A in batch 560-19458. The RPD for the LCS and LCSD pair exceeded the acceptance criteria for Dalapon and MCPP. The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 19458 were outside control limits for Dalapon due to sample matrix interferences which required sample dilution. The associated laboratory control sample (LCS) met acceptance criteria and the data are therefore reported. In addition, the surrogate recovery for sample 7 was outside the acceptance criteria. Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed. Sample was diluted due to matrix.

Organochlorine Pesticides

Samples 560-16828-1, 2, 2MS, 3, 4, 5, and 7 were extracted and analyzed for Organochlorine Pesticides using EPA Method 3520C/8081B in batch 560-38882/38963. Insufficient sample volume was provided to perform matrix spike and matrix spike duplicate; however an LCS and LCSD were analyzed. Additionally, the percent recovery results for the surrogate associated with sample 7 was outside the acceptance criteria for tetrachloro-m-xylene; however decachlorobiphenyl was within acceptable limits. The laboratory's SOP allows 1 of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. These results have been reported and qualified.

Metals Analysis

Sample 560-16828-1, 2, 2MS, 2MSD, 3, 4, 5, 6, and 7 were analyzed for RCRA 8 Metals using EPA Method 6020 in batch 560-38922. The matrix spike / matrix spike duplicate recoveries were outside control limits. The associated laboratory control sample (LCS) met acceptance criteria.

EXECUTIVE SUMMARY - Detections

Client: ARGO Systems LLC

Job Number: 560-16828-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
560-16828-1	**LF-GW-B9**					
2-Butanone (MEK)		0.96	J	1.0	ug/L	8260B
Di-n-butyl phthalate		0.66	J	9.8	ug/L	8270C
Over C12-C28		0.44	J	4.6	mg/L	TX 1005
C6-C35		0.44	J	4.6	mg/L	TX 1005
Silver		0.0012		0.0050	mg/L	6020
Arsenic		0.0038		0.0050	mg/L	6020
Barium		0.028		0.0050	mg/L	6020
Chromium		0.0018		0.0050	mg/L	6020
Lead		0.0022		0.0050	mg/L	6020
560-16828-2	**LF-GW-G4**					
Iodomethane		0.37	J	1.0	ug/L	8260B
Diethyl phthalate		0.95	J	9.7	ug/L	8270C
Di-n-butyl phthalate		0.55	J	9.7	ug/L	8270C
Arsenic		0.012		0.0050	mg/L	6020
Barium		0.19		0.0050	mg/L	6020
Cadmium		0.0014	J	0.0025	mg/L	6020
Chromium		0.012		0.0050	mg/L	6020
Lead		0.038		0.0050	mg/L	6020
Selenium		0.0014	J	0.0050	mg/L	6020
560-16828-3	**LF-GW-G2**					
delta-BHC		0.031	J	0.048	ug/L	8081B
Over C12-C28		0.45	J	4.5	mg/L	TX 1005
C6-C35		0.45	J	4.5	mg/L	TX 1005
Arsenic		0.0099		0.0050	mg/L	6020
Barium		0.14		0.0050	mg/L	6020
Chromium		0.0042	J	0.0050	mg/L	6020
Lead		0.017		0.0050	mg/L	6020
560-16828-4	**LF-GW-RB**					
Acetone		5.5	J	10	ug/L	8260B
560-16828-5	**LF-GW-FB**					
Acetone		5.2	J	10	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: ARGO Systems LLC

Job Number: 560-16828-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
560-16828-6	**LF-GW-G1**					
Iodomethane		0.99	J	1.0	ug/L	8260B
Acetone		9.6	J	10	ug/L	8260B
2-Butanone (MEK)		1.9		1.0	ug/L	8260B
Over C12-C28		0.51	J	5.0	mg/L	TX 1005
C6-C35		0.51	J	5.0	mg/L	TX 1005
Arsenic		0.015		0.0050	mg/L	6020
Barium		0.24		0.0050	mg/L	6020
Cadmium		0.0021	J	0.0025	mg/L	6020
Chromium		0.013		0.0050	mg/L	6020
Lead		0.058		0.0050	mg/L	6020
Selenium		0.0022	J	0.0050	mg/L	6020
560-16828-7	**LF-LEC-G3**					
Ethyl ether		0.47	J	1.0	ug/L	8260B
Carbon disulfide		0.33	J	1.0	ug/L	8260B
Acetone		9.4	J	10	ug/L	8260B
Methyl tert-butyl ether		0.23	J	1.0	ug/L	8260B
Benzene		1.6		1.0	ug/L	8260B
1,4-Dioxane		33	J	100	ug/L	8260B
Toluene		0.56	J	1.0	ug/L	8260B
Ethylbenzene		19		1.0	ug/L	8260B
1,2,4-Trimethylbenzene		0.80	J	1.0	ug/L	8260B
Xylenes, Total		3.9		2.0	ug/L	8260B
3 & 4 Methylphenol		2.3	J	19	ug/L	8270C
Naphthalene		2.3	J	9.6	ug/L	8270C
Diethyl phthalate		1.3	J	9.6	ug/L	8270C
4,4'-DDE		0.022	J	0.048	ug/L	8081B
Endrin ketone		0.025	J	0.048	ug/L	8081B
Heptachlor epoxide		0.032	J	0.048	ug/L	8081B
Over C12-C28		1.4	J	4.5	mg/L	TX 1005
C6-C12		0.63	J	4.5	mg/L	TX 1005
C6-C35		2.0	J	4.5	mg/L	TX 1005
Arsenic		0.014		0.0050	mg/L	6020
Barium		4.5		0.025	mg/L	6020
Cadmium		0.0032		0.0025	mg/L	6020
Chromium		0.0081		0.0050	mg/L	6020
Lead		0.13		0.0050	mg/L	6020
Selenium		0.0024	J	0.0050	mg/L	6020
Total Organic Carbon		500	B	4.0	mg/L	415.1
pH		6.2		0.10	SU	9040C

METHOD SUMMARY

Client: ARGO Systems LLC | Job Number: 560-16828-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL CC	SW846 8260B	
Purge and Trap	TAL CC		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL CC	SW846 8270C	
Liquid-Liquid Extraction (Continuous)	TAL CC		SW846 3520C
Organochlorine Pesticides by Gas Chromatography	TAL CC	SW846 8081B	
Liquid-Liquid Extraction (Continuous)	TAL CC		SW846 3520C
Herbicides (GC)	TAL HOU	SW846 8151A	
Extraction (Herbicides)	TAL HOU		SW846 8151A
Texas - Total Petroleum Hydrocarbon (GC)	TAL CC	TCEQ TX 1005	
Extraction - Texas Total petroleum Hyrdocarbons	TAL CC		TCEQ TX_1005_W_Prep
Metals (ICP/MS)	TAL CC	SW846 6020	
Preparation, Total Metals	TAL CC		SW846 3010A
Mercury (CVAA)	TAL CC	SW846 7470A	
Preparation, Mercury	TAL CC		SW846 7470A
TOC	TAL CC	MCAWW 415.1	
pH	TAL CC	SW846 9040C	

Lab References:

TAL CC = TestAmerica Corpus Christi

TAL HOU = TestAmerica Houston

Method References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

TCEQ = Texas Commission of Environmental Quality

METHOD / ANALYST SUMMARY

Client: ARGO Systems LLC

Job Number: 560-16828-1

Method	Analyst	Analyst ID
SW846 8260B	Goebel, Susan	SG
SW846 8270C	Fisher, Gayland E	GEF
SW846 8081B	Haas, Richard	RH
SW846 8151A	Patel, Kanisha	KP
SW846 8151A	Zarate, Mary Lou A	MAZ
TCEQ TX 1005	Robinson, Shauna	SR
SW846 6020	Mathewson, John E	JEM
SW846 6020	Reyes, Eddie D	EDR
SW846 7470A	Mathewson, John E	JEM
MCAWW 415.1	Henny, April	AH
SW846 9040C	Gonzalez, Sonia	SG

SAMPLE SUMMARY

Client: ARGO Systems LLC

Job Number: 560-16828-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
560-16828-1	LF-GW-B9	Water	08/12/2009 1705	08/14/2009 1002
560-16828-1MS	LF-GW-B9	Water	08/12/2009 1705	08/14/2009 1002
560-16828-1MSD	LF-GW-B9	Water	08/12/2009 1705	08/14/2009 1002
560-16828-2	LF-GW-G4	Water	08/12/2009 1800	08/14/2009 1002
560-16828-3	LF-GW-G2	Water	08/13/2009 0840	08/14/2009 1002
560-16828-4	LF-GW-RB	Water	08/13/2009 0930	08/14/2009 1002
560-16828-5	LF-GW-FB	Water	08/13/2009 0945	08/14/2009 1002
560-16828-6	LF-GW-G1	Water	08/13/2009 0940	08/14/2009 1002
560-16828-7	LF-LEC-G3	Water	08/13/2009 1530	08/14/2009 1002
560-16828-8TB	Trip Blank	Water	08/12/2009 0830	08/14/2009 1002

SAMPLE RESULTS

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-B9**

Lab Sample ID: 560-16828-1

Client Matrix: Water

Date Sampled: 08/12/2009 1705

Date Received: 08/14/2009 1002

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Preparation: 5030B

Dilution: 1.0

Date Analyzed: 08/17/2009 1828

Date Prepared: 08/17/2009 1828

Analysis Batch: 560-38897

Instrument ID: VGCMS#2

Lab File ID: 08170910.D

Initial Weight/Volume: 5 mL

Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	<0.43		0.43	1.0
Chloromethane	<0.39		0.39	1.0
Vinyl chloride	<0.20		0.20	1.0
Bromomethane	<0.39		0.39	1.0
Chloroethane	<0.40		0.40	1.0
Trichlorofluoromethane	<0.24		0.24	1.0
Ethyl ether	<0.20		0.20	1.0
1,1-Dichloroethene	<0.20		0.20	1.0
Carbon disulfide	<0.20		0.20	1.0
Iodomethane	<0.22		0.22	1.0
Methylene Chloride	<2.0		2.0	10
Acetone	<5.0		5.0	10
trans-1,2-Dichloroethene	<0.20	*	0.20	1.0
Methyl tert-butyl ether	<0.20		0.20	1.0
Acetonitrile	<2.2		2.2	10
1,1-Dichloroethane	<0.20		0.20	1.0
Vinyl acetate	<0.20		0.20	1.0
cis-1,2-Dichloroethene	<0.20		0.20	1.0
2,2-Dichloropropane	<0.34		0.34	1.0
Chloroform	<0.20		0.20	1.0
Ethyl acetate	<0.20		0.20	1.0
Carbon tetrachloride	<0.25		0.25	1.0
1,1,1-Trichloroethane	<0.20		0.20	1.0
1,1-Dichloropropene	<0.20		0.20	1.0
Benzene	<0.20		0.20	1.0
1,2-Dichloroethane	<0.20		0.20	1.0
Trichloroethene	<0.32		0.32	1.0
Dibromomethane	<0.20		0.20	1.0
1,2-Dichloropropane	<0.20		0.20	1.0
Dichlorobromomethane	<0.20		0.20	1.0
Methyl methacrylate	<0.20		0.20	5.0
1,4-Dioxane	<7.5		7.5	100
cis-1,3-Dichloropropene	<0.20		0.20	1.0
Toluene	<0.20		0.20	1.0
2-Nitropropane	<0.22		0.22	5.0
4-Methyl-2-pentanone (MIBK)	<0.20		0.20	1.0
trans-1,3-Dichloropropene	<0.20		0.20	1.0
Tetrachloroethene	<0.20		0.20	1.0
Ethyl methacrylate	<0.20		0.20	5.0
1,1,2-Trichloroethane	<0.20		0.20	1.0
Chlorodibromomethane	<0.22		0.22	1.0
1,3-Dichloropropane	<0.20		0.20	1.0
Ethylene Dibromide	<0.20		0.20	1.0
2-Hexanone	<0.20		0.20	1.0
Chlorobenzene	<0.20		0.20	1.0
Ethylbenzene	<0.20		0.20	1.0

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-B9**

Lab Sample ID: 560-16828-1

Client Matrix: Water

Date Sampled: 08/12/2009 1705

Date Received: 08/14/2009 1002

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38897	Instrument ID:	VGCMS#2
Preparation:	5030B		Lab File ID:	08170910.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	08/17/2009 1828		Final Weight/Volume:	5 mL
Date Prepared:	08/17/2009 1828			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Bromoform	<0.20		0.20	5.0
Styrene	<0.20		0.20	5.0
1,1,2,2-Tetrachloroethane	<0.20		0.20	1.0
1,2,3-Trichloropropane	<0.20		0.20	1.0
1,3,5-Trimethylbenzene	<0.20		0.20	1.0
1,2,4-Trimethylbenzene	<0.20		0.20	1.0
1,2,3-Trichlorobenzene	<0.22		0.22	5.0
2-Butanone (MEK)	0.96	J	0.47	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.28		0.28	1.0
Xylenes, Total	<0.23		0.23	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Dibromofluoromethane (Surr)	88		74 - 123
1,2-Dichloroethane-d4 (Surr)	98		76 - 125
Toluene-d8 (Surr)	91		80 - 120
4-Bromofluorobenzene (Surr)	99		77 - 120

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-G4**

Lab Sample ID: 560-16828-2

Client Matrix: Water

Date Sampled: 08/12/2009 1800

Date Received: 08/14/2009 1002

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Preparation: 5030B

Dilution: 1.0

Date Analyzed: 08/17/2009 1852

Date Prepared: 08/17/2009 1852

Analysis Batch: 560-38897

Instrument ID: VGCMS#2

Lab File ID: 08170911.D

Initial Weight/Volume: 5 mL

Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	<0.43		0.43	1.0
Chloromethane	<0.39		0.39	1.0
Vinyl chloride	<0.20		0.20	1.0
Bromomethane	<0.39		0.39	1.0
Chloroethane	<0.40		0.40	1.0
Trichlorofluoromethane	<0.24		0.24	1.0
Ethyl ether	<0.20		0.20	1.0
1,1-Dichloroethene	<0.20		0.20	1.0
Carbon disulfide	<0.20		0.20	1.0
Iodomethane	0.37	J	0.22	1.0
Methylene Chloride	<2.0		2.0	10
Acetone	<5.0		5.0	10
trans-1,2-Dichloroethene	<0.20	*	0.20	1.0
Methyl tert-butyl ether	<0.20		0.20	1.0
Acetonitrile	<2.2		2.2	10
1,1-Dichloroethane	<0.20		0.20	1.0
Vinyl acetate	<0.20		0.20	1.0
cis-1,2-Dichloroethene	<0.20		0.20	1.0
2,2-Dichloropropane	<0.34		0.34	1.0
Chloroform	<0.20		0.20	1.0
Ethyl acetate	<0.20		0.20	1.0
Carbon tetrachloride	<0.25		0.25	1.0
1,1,1-Trichloroethane	<0.20		0.20	1.0
1,1-Dichloropropene	<0.20		0.20	1.0
Benzene	<0.20		0.20	1.0
1,2-Dichloroethane	<0.20		0.20	1.0
Trichloroethene	<0.32		0.32	1.0
Dibromomethane	<0.20		0.20	1.0
1,2-Dichloropropane	<0.20		0.20	1.0
Dichlorobromomethane	<0.20		0.20	1.0
Methyl methacrylate	<0.20		0.20	5.0
1,4-Dioxane	<7.5		7.5	100
cis-1,3-Dichloropropene	<0.20		0.20	1.0
Toluene	<0.20		0.20	1.0
2-Nitropropane	<0.22		0.22	5.0
4-Methyl-2-pentanone (MIBK)	<0.20		0.20	1.0
trans-1,3-Dichloropropene	<0.20		0.20	1.0
Tetrachloroethene	<0.20		0.20	1.0
Ethyl methacrylate	<0.20		0.20	5.0
1,1,2-Trichloroethane	<0.20		0.20	1.0
Chlorodibromomethane	<0.22		0.22	1.0
1,3-Dichloropropane	<0.20		0.20	1.0
Ethylene Dibromide	<0.20		0.20	1.0
2-Hexanone	<0.20		0.20	1.0
Chlorobenzene	<0.20		0.20	1.0
Ethylbenzene	<0.20		0.20	1.0

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-G4**

Lab Sample ID: 560-16828-2

Client Matrix: Water

Date Sampled: 08/12/2009 1800

Date Received: 08/14/2009 1002

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38897	Instrument ID:	VGCMS#2
Preparation:	5030B		Lab File ID:	08170911.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	08/17/2009 1852		Final Weight/Volume:	5 mL
Date Prepared:	08/17/2009 1852			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Bromoform	<0.20		0.20	5.0
Styrene	<0.20		0.20	5.0
1,1,2,2-Tetrachloroethane	<0.20		0.20	1.0
1,2,3-Trichloropropane	<0.20		0.20	1.0
1,3,5-Trimethylbenzene	<0.20		0.20	1.0
1,2,4-Trimethylbenzene	<0.20		0.20	1.0
1,2,3-Trichlorobenzene	<0.22		0.22	5.0
2-Butanone (MEK)	<0.47		0.47	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.28		0.28	1.0
Xylenes, Total	<0.23		0.23	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Dibromofluoromethane (Surr)	87		74 - 123
1,2-Dichloroethane-d4 (Surr)	99		76 - 125
Toluene-d8 (Surr)	91		80 - 120
4-Bromofluorobenzene (Surr)	100		77 - 120

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-G2**

Lab Sample ID: 560-16828-3

Client Matrix: Water

Date Sampled: 08/13/2009 0840

Date Received: 08/14/2009 1002

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38897	Instrument ID:	VGCMS#2
Preparation:	5030B		Lab File ID:	08170912.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	08/17/2009 1917		Final Weight/Volume:	5 mL
Date Prepared:	08/17/2009 1917			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	<0.43		0.43	1.0
Chloromethane	<0.39		0.39	1.0
Vinyl chloride	<0.20		0.20	1.0
Bromomethane	<0.39		0.39	1.0
Chloroethane	<0.40		0.40	1.0
Trichlorofluoromethane	<0.24		0.24	1.0
Ethyl ether	<0.20		0.20	1.0
1,1-Dichloroethene	<0.20		0.20	1.0
Carbon disulfide	<0.20		0.20	1.0
Iodomethane	<0.22		0.22	1.0
Methylene Chloride	<2.0		2.0	10
Acetone	<5.0		5.0	10
trans-1,2-Dichloroethene	<0.20	*	0.20	1.0
Methyl tert-butyl ether	<0.20		0.20	1.0
Acetonitrile	<2.2		2.2	10
1,1-Dichloroethane	<0.20		0.20	1.0
Vinyl acetate	<0.20		0.20	1.0
cis-1,2-Dichloroethene	<0.20		0.20	1.0
2,2-Dichloropropane	<0.34		0.34	1.0
Chloroform	<0.20		0.20	1.0
Ethyl acetate	<0.20		0.20	1.0
Carbon tetrachloride	<0.25		0.25	1.0
1,1,1-Trichloroethane	<0.20		0.20	1.0
1,1-Dichloropropene	<0.20		0.20	1.0
Benzene	<0.20		0.20	1.0
1,2-Dichloroethane	<0.20		0.20	1.0
Trichloroethene	<0.32		0.32	1.0
Dibromomethane	<0.20		0.20	1.0
1,2-Dichloropropane	<0.20		0.20	1.0
Dichlorobromomethane	<0.20		0.20	1.0
Methyl methacrylate	<0.20		0.20	5.0
1,4-Dioxane	<7.5		7.5	100
cis-1,3-Dichloropropene	<0.20		0.20	1.0
Toluene	<0.20		0.20	1.0
2-Nitropropane	<0.22		0.22	5.0
4-Methyl-2-pentanone (MIBK)	<0.20		0.20	1.0
trans-1,3-Dichloropropene	<0.20		0.20	1.0
Tetrachloroethene	<0.20		0.20	1.0
Ethyl methacrylate	<0.20		0.20	5.0
1,1,2-Trichloroethane	<0.20		0.20	1.0
Chlorodibromomethane	<0.22		0.22	1.0
1,3-Dichloropropane	<0.20		0.20	1.0
Ethylene Dibromide	<0.20		0.20	1.0
2-Hexanone	<0.20		0.20	1.0
Chlorobenzene	<0.20		0.20	1.0
Ethylbenzene	<0.20		0.20	1.0

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-G2**

Lab Sample ID: 560-16828-3

Client Matrix: Water

Date Sampled: 08/13/2009 0840

Date Received: 08/14/2009 1002

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38897	Instrument ID:	VGCMS#2
Preparation:	5030B		Lab File ID:	08170912.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	08/17/2009 1917		Final Weight/Volume:	5 mL
Date Prepared:	08/17/2009 1917			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Bromoform	<0.20		0.20	5.0
Styrene	<0.20		0.20	5.0
1,1,2,2-Tetrachloroethane	<0.20		0.20	1.0
1,2,3-Trichloropropane	<0.20		0.20	1.0
1,3,5-Trimethylbenzene	<0.20		0.20	1.0
1,2,4-Trimethylbenzene	<0.20		0.20	1.0
1,2,3-Trichlorobenzene	<0.22		0.22	5.0
2-Butanone (MEK)	<0.47		0.47	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.28		0.28	1.0
Xylenes, Total	<0.23		0.23	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Dibromofluoromethane (Surr)	89		74 - 123
1,2-Dichloroethane-d4 (Surr)	97		76 - 125
Toluene-d8 (Surr)	90		80 - 120
4-Bromofluorobenzene (Surr)	96		77 - 120

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-RB**

Lab Sample ID: 560-16828-4

Client Matrix: Water

Date Sampled: 08/13/2009 0930

Date Received: 08/14/2009 1002

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38897	Instrument ID:	VGCMS#2
Preparation:	5030B		Lab File ID:	08170913.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	08/17/2009 1942		Final Weight/Volume:	5 mL
Date Prepared:	08/17/2009 1942			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	<0.43		0.43	1.0
Chloromethane	<0.39		0.39	1.0
Vinyl chloride	<0.20		0.20	1.0
Bromomethane	<0.39		0.39	1.0
Chloroethane	<0.40		0.40	1.0
Trichlorofluoromethane	<0.24		0.24	1.0
Ethyl ether	<0.20		0.20	1.0
1,1-Dichloroethene	<0.20		0.20	1.0
Carbon disulfide	<0.20		0.20	1.0
Iodomethane	<0.22		0.22	1.0
Methylene Chloride	<2.0		2.0	10
Acetone	5.5	J	5.0	10
trans-1,2-Dichloroethene	<0.20	*	0.20	1.0
Methyl tert-butyl ether	<0.20		0.20	1.0
Acetonitrile	<2.2		2.2	10
1,1-Dichloroethane	<0.20		0.20	1.0
Vinyl acetate	<0.20		0.20	1.0
cis-1,2-Dichloroethene	<0.20		0.20	1.0
2,2-Dichloropropane	<0.34		0.34	1.0
Chloroform	<0.20		0.20	1.0
Ethyl acetate	<0.20		0.20	1.0
Carbon tetrachloride	<0.25		0.25	1.0
1,1,1-Trichloroethane	<0.20		0.20	1.0
1,1-Dichloropropene	<0.20		0.20	1.0
Benzene	<0.20		0.20	1.0
1,2-Dichloroethane	<0.20		0.20	1.0
Trichloroethene	<0.32		0.32	1.0
Dibromomethane	<0.20		0.20	1.0
1,2-Dichloropropane	<0.20		0.20	1.0
Dichlorobromomethane	<0.20		0.20	1.0
Methyl methacrylate	<0.20		0.20	5.0
1,4-Dioxane	<7.5		7.5	100
cis-1,3-Dichloropropene	<0.20		0.20	1.0
Toluene	<0.20		0.20	1.0
2-Nitropropane	<0.22		0.22	5.0
4-Methyl-2-pentanone (MIBK)	<0.20		0.20	1.0
trans-1,3-Dichloropropene	<0.20		0.20	1.0
Tetrachloroethene	<0.20		0.20	1.0
Ethyl methacrylate	<0.20		0.20	5.0
1,1,2-Trichloroethane	<0.20		0.20	1.0
Chlorodibromomethane	<0.22		0.22	1.0
1,3-Dichloropropane	<0.20		0.20	1.0
Ethylene Dibromide	<0.20		0.20	1.0
2-Hexanone	<0.20		0.20	1.0
Chlorobenzene	<0.20		0.20	1.0
Ethylbenzene	<0.20		0.20	1.0

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-RB**

Lab Sample ID: 560-16828-4

Client Matrix: Water

Date Sampled: 08/13/2009 0930

Date Received: 08/14/2009 1002

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38897	Instrument ID:	VGCMS#2
Preparation:	5030B		Lab File ID:	08170913.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	08/17/2009 1942		Final Weight/Volume:	5 mL
Date Prepared:	08/17/2009 1942			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Bromoform	<0.20		0.20	5.0
Styrene	<0.20		0.20	5.0
1,1,2,2-Tetrachloroethane	<0.20		0.20	1.0
1,2,3-Trichloropropane	<0.20		0.20	1.0
1,3,5-Trimethylbenzene	<0.20		0.20	1.0
1,2,4-Trimethylbenzene	<0.20		0.20	1.0
1,2,3-Trichlorobenzene	<0.22		0.22	5.0
2-Butanone (MEK)	<0.47		0.47	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.28		0.28	1.0
Xylenes, Total	<0.23		0.23	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Dibromofluoromethane (Surr)	89		74 - 123
1,2-Dichloroethane-d4 (Surr)	99		76 - 125
Toluene-d8 (Surr)	91		80 - 120
4-Bromofluorobenzene (Surr)	98		77 - 120

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-FB**

Lab Sample ID: 560-16828-5

Client Matrix: Water

Date Sampled: 08/13/2009 0945

Date Received: 08/14/2009 1002

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38897	Instrument ID:	VGCMS#2
Preparation:	5030B		Lab File ID:	08170914.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	08/17/2009 2006		Final Weight/Volume:	5 mL
Date Prepared:	08/17/2009 2006			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	<0.43		0.43	1.0
Chloromethane	<0.39		0.39	1.0
Vinyl chloride	<0.20		0.20	1.0
Bromomethane	<0.39		0.39	1.0
Chloroethane	<0.40		0.40	1.0
Trichlorofluoromethane	<0.24		0.24	1.0
Ethyl ether	<0.20		0.20	1.0
1,1-Dichloroethene	<0.20		0.20	1.0
Carbon disulfide	<0.20		0.20	1.0
Iodomethane	<0.22		0.22	1.0
Methylene Chloride	<2.0		2.0	10
Acetone	5.2	J	5.0	10
trans-1,2-Dichloroethene	<0.20	*	0.20	1.0
Methyl tert-butyl ether	<0.20		0.20	1.0
Acetonitrile	<2.2		2.2	10
1,1-Dichloroethane	<0.20		0.20	1.0
Vinyl acetate	<0.20		0.20	1.0
cis-1,2-Dichloroethene	<0.20		0.20	1.0
2,2-Dichloropropane	<0.34		0.34	1.0
Chloroform	<0.20		0.20	1.0
Ethyl acetate	<0.20		0.20	1.0
Carbon tetrachloride	<0.25		0.25	1.0
1,1,1-Trichloroethane	<0.20		0.20	1.0
1,1-Dichloropropene	<0.20		0.20	1.0
Benzene	<0.20		0.20	1.0
1,2-Dichloroethane	<0.20		0.20	1.0
Trichloroethene	<0.32		0.32	1.0
Dibromomethane	<0.20		0.20	1.0
1,2-Dichloropropane	<0.20		0.20	1.0
Dichlorobromomethane	<0.20		0.20	1.0
Methyl methacrylate	<0.20		0.20	5.0
1,4-Dioxane	<7.5		7.5	100
cis-1,3-Dichloropropene	<0.20		0.20	1.0
Toluene	<0.20		0.20	1.0
2-Nitropropane	<0.22		0.22	5.0
4-Methyl-2-pentanone (MIBK)	<0.20		0.20	1.0
trans-1,3-Dichloropropene	<0.20		0.20	1.0
Tetrachloroethene	<0.20		0.20	1.0
Ethyl methacrylate	<0.20		0.20	5.0
1,1,2-Trichloroethane	<0.20		0.20	1.0
Chlorodibromomethane	<0.22		0.22	1.0
1,3-Dichloropropane	<0.20		0.20	1.0
Ethylene Dibromide	<0.20		0.20	1.0
2-Hexanone	<0.20		0.20	1.0
Chlorobenzene	<0.20		0.20	1.0
Ethylbenzene	<0.20		0.20	1.0

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-FB**

Lab Sample ID: 560-16828-5

Client Matrix: Water

Date Sampled: 08/13/2009 0945

Date Received: 08/14/2009 1002

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38897	Instrument ID:	VGCMS#2
Preparation:	5030B		Lab File ID:	08170914.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	08/17/2009 2006		Final Weight/Volume:	5 mL
Date Prepared:	08/17/2009 2006			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Bromoform	<0.20		0.20	5.0
Styrene	<0.20		0.20	5.0
1,1,2,2-Tetrachloroethane	<0.20		0.20	1.0
1,2,3-Trichloropropane	<0.20		0.20	1.0
1,3,5-Trimethylbenzene	<0.20		0.20	1.0
1,2,4-Trimethylbenzene	<0.20		0.20	1.0
1,2,3-Trichlorobenzene	<0.22		0.22	5.0
2-Butanone (MEK)	<0.47		0.47	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.28		0.28	1.0
Xylenes, Total	<0.23		0.23	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Dibromofluoromethane (Surr)	88		74 - 123
1,2-Dichloroethane-d4 (Surr)	97		76 - 125
Toluene-d8 (Surr)	90		80 - 120
4-Bromofluorobenzene (Surr)	97		77 - 120

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-G1**

Lab Sample ID: 560-16828-6

Client Matrix: Water

Date Sampled: 08/13/2009 0940

Date Received: 08/14/2009 1002

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38897	Instrument ID:	VGCMS#2
Preparation:	5030B		Lab File ID:	08170915.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	08/17/2009 2031		Final Weight/Volume:	5 mL
Date Prepared:	08/17/2009 2031			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	<0.43		0.43	1.0
Chloromethane	<0.39		0.39	1.0
Vinyl chloride	<0.20		0.20	1.0
Bromomethane	<0.39		0.39	1.0
Chloroethane	<0.40		0.40	1.0
Trichlorofluoromethane	<0.24		0.24	1.0
Ethyl ether	<0.20		0.20	1.0
1,1-Dichloroethene	<0.20		0.20	1.0
Carbon disulfide	<0.20		0.20	1.0
Iodomethane	0.99	J	0.22	1.0
Methylene Chloride	<2.0		2.0	10
Acetone	9.6	J	5.0	10
trans-1,2-Dichloroethene	<0.20	*	0.20	1.0
Methyl tert-butyl ether	<0.20		0.20	1.0
Acetonitrile	<2.2		2.2	10
1,1-Dichloroethane	<0.20		0.20	1.0
Vinyl acetate	<0.20		0.20	1.0
cis-1,2-Dichloroethene	<0.20		0.20	1.0
2,2-Dichloropropane	<0.34		0.34	1.0
Chloroform	<0.20		0.20	1.0
Ethyl acetate	<0.20		0.20	1.0
Carbon tetrachloride	<0.25		0.25	1.0
1,1,1-Trichloroethane	<0.20		0.20	1.0
1,1-Dichloropropene	<0.20		0.20	1.0
Benzene	<0.20		0.20	1.0
1,2-Dichloroethane	<0.20		0.20	1.0
Trichloroethene	<0.32		0.32	1.0
Dibromomethane	<0.20		0.20	1.0
1,2-Dichloropropane	<0.20		0.20	1.0
Dichlorobromomethane	<0.20		0.20	1.0
Methyl methacrylate	<0.20		0.20	5.0
1,4-Dioxane	<7.5		7.5	100
cis-1,3-Dichloropropene	<0.20		0.20	1.0
Toluene	<0.20		0.20	1.0
2-Nitropropane	<0.22		0.22	5.0
4-Methyl-2-pentanone (MIBK)	<0.20		0.20	1.0
trans-1,3-Dichloropropene	<0.20		0.20	1.0
Tetrachloroethene	<0.20		0.20	1.0
Ethyl methacrylate	<0.20		0.20	5.0
1,1,2-Trichloroethane	<0.20		0.20	1.0
Chlorodibromomethane	<0.22		0.22	1.0
1,3-Dichloropropane	<0.20		0.20	1.0
Ethylene Dibromide	<0.20		0.20	1.0
2-Hexanone	<0.20		0.20	1.0
Chlorobenzene	<0.20		0.20	1.0
Ethylbenzene	<0.20		0.20	1.0

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-G1**

Lab Sample ID: 560-16828-6

Client Matrix: Water

Date Sampled: 08/13/2009 0940

Date Received: 08/14/2009 1002

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38897	Instrument ID:	VGCMS#2
Preparation:	5030B		Lab File ID:	08170915.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	08/17/2009 2031		Final Weight/Volume:	5 mL
Date Prepared:	08/17/2009 2031			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Bromoform	<0.20		0.20	5.0
Styrene	<0.20		0.20	5.0
1,1,2,2-Tetrachloroethane	<0.20		0.20	1.0
1,2,3-Trichloropropane	<0.20		0.20	1.0
1,3,5-Trimethylbenzene	<0.20		0.20	1.0
1,2,4-Trimethylbenzene	<0.20		0.20	1.0
1,2,3-Trichlorobenzene	<0.22		0.22	5.0
2-Butanone (MEK)	1.9		0.47	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.28		0.28	1.0
Xylenes, Total	<0.23		0.23	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Dibromofluoromethane (Surr)	87		74 - 123
1,2-Dichloroethane-d4 (Surr)	98		76 - 125
Toluene-d8 (Surr)	90		80 - 120
4-Bromofluorobenzene (Surr)	97		77 - 120

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-LEC-G3**

Lab Sample ID: 560-16828-7

Client Matrix: Water

Date Sampled: 08/13/2009 1530

Date Received: 08/14/2009 1002

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38897	Instrument ID:	VGCMS#2
Preparation:	5030B		Lab File ID:	08170916.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	08/17/2009 2056		Final Weight/Volume:	5 mL
Date Prepared:	08/17/2009 2056			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	<0.43		0.43	1.0
Chloromethane	<0.39		0.39	1.0
Vinyl chloride	<0.20		0.20	1.0
Bromomethane	<0.39		0.39	1.0
Chloroethane	<0.40		0.40	1.0
Trichlorofluoromethane	<0.24		0.24	1.0
Ethyl ether	0.47	J	0.20	1.0
1,1-Dichloroethene	<0.20		0.20	1.0
Carbon disulfide	0.33	J	0.20	1.0
Iodomethane	<0.22		0.22	1.0
Methylene Chloride	<2.0		2.0	10
Acetone	9.4	J	5.0	10
trans-1,2-Dichloroethene	<0.20	*	0.20	1.0
Methyl tert-butyl ether	0.23	J	0.20	1.0
Acetonitrile	<2.2		2.2	10
1,1-Dichloroethane	<0.20		0.20	1.0
Vinyl acetate	<0.20		0.20	1.0
cis-1,2-Dichloroethene	<0.20		0.20	1.0
2,2-Dichloropropane	<0.34		0.34	1.0
Chloroform	<0.20		0.20	1.0
Ethyl acetate	<0.20		0.20	1.0
Carbon tetrachloride	<0.25		0.25	1.0
1,1,1-Trichloroethane	<0.20		0.20	1.0
1,1-Dichloropropene	<0.20		0.20	1.0
Benzene	1.6		0.20	1.0
1,2-Dichloroethane	<0.20		0.20	1.0
Trichloroethene	<0.32		0.32	1.0
Dibromomethane	<0.20		0.20	1.0
1,2-Dichloropropane	<0.20		0.20	1.0
Dichlorobromomethane	<0.20		0.20	1.0
Methyl methacrylate	<0.20		0.20	5.0
1,4-Dioxane	33	J	7.5	100
cis-1,3-Dichloropropene	<0.20		0.20	1.0
Toluene	0.56	J	0.20	1.0
2-Nitropropane	<0.22		0.22	5.0
4-Methyl-2-pentanone (MIBK)	<0.20		0.20	1.0
trans-1,3-Dichloropropene	<0.20		0.20	1.0
Tetrachloroethene	<0.20		0.20	1.0
Ethyl methacrylate	<0.20		0.20	5.0
1,1,2-Trichloroethane	<0.20		0.20	1.0
Chlorodibromomethane	<0.22		0.22	1.0
1,3-Dichloropropane	<0.20		0.20	1.0
Ethylene Dibromide	<0.20		0.20	1.0
2-Hexanone	<0.20		0.20	1.0
Chlorobenzene	<0.20		0.20	1.0
Ethylbenzene	19		0.20	1.0

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-LEC-G3**

Lab Sample ID: 560-16828-7

Client Matrix: Water

Date Sampled: 08/13/2009 1530

Date Received: 08/14/2009 1002

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38897	Instrument ID:	VGCMS#2
Preparation:	5030B		Lab File ID:	08170916.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	08/17/2009 2056		Final Weight/Volume:	5 mL
Date Prepared:	08/17/2009 2056			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Bromoform	<0.20		0.20	5.0
Styrene	<0.20		0.20	5.0
1,1,2,2-Tetrachloroethane	<0.20		0.20	1.0
1,2,3-Trichloropropane	<0.20		0.20	1.0
1,3,5-Trimethylbenzene	<0.20		0.20	1.0
1,2,4-Trimethylbenzene	0.80	J	0.20	1.0
1,2,3-Trichlorobenzene	<0.22		0.22	5.0
2-Butanone (MEK)	<0.47		0.47	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.28		0.28	1.0
Xylenes, Total	3.9		0.23	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Dibromofluoromethane (Surr)	89		74 - 123
1,2-Dichloroethane-d4 (Surr)	99		76 - 125
Toluene-d8 (Surr)	90		80 - 120
4-Bromofluorobenzene (Surr)	100		77 - 120

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 560-16828-8TB

Client Matrix: Water

Date Sampled: 08/12/2009 0830

Date Received: 08/14/2009 1002

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Preparation: 5030B

Dilution: 1.0

Date Analyzed: 08/17/2009 2120

Date Prepared: 08/17/2009 2120

Analysis Batch: 560-38897

Instrument ID: VGCMS#2

Lab File ID: 08170917.D

Initial Weight/Volume: 5 mL

Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	<0.43		0.43	1.0
Chloromethane	<0.39		0.39	1.0
Vinyl chloride	<0.20		0.20	1.0
Bromomethane	<0.39		0.39	1.0
Chloroethane	<0.40		0.40	1.0
Trichlorofluoromethane	<0.24		0.24	1.0
Ethyl ether	<0.20		0.20	1.0
1,1-Dichloroethene	<0.20		0.20	1.0
Carbon disulfide	<0.20		0.20	1.0
Iodomethane	<0.22		0.22	1.0
Methylene Chloride	<2.0		2.0	10
Acetone	<5.0		5.0	10
trans-1,2-Dichloroethene	<0.20	*	0.20	1.0
Methyl tert-butyl ether	<0.20		0.20	1.0
Acetonitrile	<2.2		2.2	10
1,1-Dichloroethane	<0.20		0.20	1.0
Vinyl acetate	<0.20		0.20	1.0
cis-1,2-Dichloroethene	<0.20		0.20	1.0
2,2-Dichloropropane	<0.34		0.34	1.0
Chloroform	<0.20		0.20	1.0
Ethyl acetate	<0.20		0.20	1.0
Carbon tetrachloride	<0.25		0.25	1.0
1,1,1-Trichloroethane	<0.20		0.20	1.0
1,1-Dichloropropene	<0.20		0.20	1.0
Benzene	<0.20		0.20	1.0
1,2-Dichloroethane	<0.20		0.20	1.0
Trichloroethene	<0.32		0.32	1.0
Dibromomethane	<0.20		0.20	1.0
1,2-Dichloropropane	<0.20		0.20	1.0
Dichlorobromomethane	<0.20		0.20	1.0
Methyl methacrylate	<0.20		0.20	5.0
1,4-Dioxane	<7.5		7.5	100
cis-1,3-Dichloropropene	<0.20		0.20	1.0
Toluene	<0.20		0.20	1.0
2-Nitropropane	<0.22		0.22	5.0
4-Methyl-2-pentanone (MIBK)	<0.20		0.20	1.0
trans-1,3-Dichloropropene	<0.20		0.20	1.0
Tetrachloroethene	<0.20		0.20	1.0
Ethyl methacrylate	<0.20		0.20	5.0
1,1,2-Trichloroethane	<0.20		0.20	1.0
Chlorodibromomethane	<0.22		0.22	1.0
1,3-Dichloropropane	<0.20		0.20	1.0
Ethylene Dibromide	<0.20		0.20	1.0
2-Hexanone	<0.20		0.20	1.0
Chlorobenzene	<0.20		0.20	1.0
Ethylbenzene	<0.20		0.20	1.0

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 560-16828-8TB

Client Matrix: Water

Date Sampled: 08/12/2009 0830

Date Received: 08/14/2009 1002

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38897	Instrument ID:	VGCMS#2
Preparation:	5030B		Lab File ID:	08170917.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	08/17/2009 2120		Final Weight/Volume:	5 mL
Date Prepared:	08/17/2009 2120			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Bromoform	<0.20		0.20	5.0
Styrene	<0.20		0.20	5.0
1,1,2,2-Tetrachloroethane	<0.20		0.20	1.0
1,2,3-Trichloropropane	<0.20		0.20	1.0
1,3,5-Trimethylbenzene	<0.20		0.20	1.0
1,2,4-Trimethylbenzene	<0.20		0.20	1.0
1,2,3-Trichlorobenzene	<0.22		0.22	5.0
2-Butanone (MEK)	<0.47		0.47	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.28		0.28	1.0
Xylenes, Total	<0.23		0.23	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Dibromofluoromethane (Surr)	87		74 - 123
1,2-Dichloroethane-d4 (Surr)	99		76 - 125
Toluene-d8 (Surr)	91		80 - 120
4-Bromofluorobenzene (Surr)	99		77 - 120

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-B9**

Lab Sample ID: 560-16828-1

Client Matrix: Water

Date Sampled: 08/12/2009 1705

Date Received: 08/14/2009 1002

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-38959		Instrument ID:	SVGCMS#2
Preparation:	3520C	Prep Batch: 560-38943		Lab File ID:	08190910.D
Dilution:	1.0			Initial Weight/Volume:	1020 mL
Date Analyzed:	08/19/2009 1249			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	<0.98		0.98	9.8
Bis(2-chloroethyl)ether	<0.69		0.69	9.8
2-Chlorophenol	<0.98		0.98	9.8
1,3-Dichlorobenzene	<0.98		0.98	9.8
1,4-Dichlorobenzene	<0.98		0.98	9.8
Benzyl alcohol	<1.3		1.3	9.8
1,2-Dichlorobenzene	<0.98		0.98	9.8
2-Methylphenol	<0.49		0.49	9.8
3 & 4 Methylphenol	<2.0		2.0	20
N-Nitrosodi-n-propylamine	<0.64		0.64	9.8
Hexachloroethane	<0.57		0.57	9.8
Nitrobenzene	<0.49		0.49	9.8
Isophorone	<0.61		0.61	9.8
2-Nitrophenol	<0.98		0.98	9.8
2,4-Dimethylphenol	<0.55		0.55	9.8
Bis(2-chloroethoxy)methane	<0.58		0.58	9.8
2,4-Dichlorophenol	<0.98		0.98	9.8
1,2,4-Trichlorobenzene	<0.98		0.98	9.8
Naphthalene	<0.49		0.49	9.8
4-Chloroaniline	<0.49		0.49	9.8
Hexachlorobutadiene	<0.98		0.98	9.8
4-Chloro-3-methylphenol	<0.98		0.98	9.8
2-Methylnaphthalene	<0.49		0.49	9.8
Hexachlorocyclopentadiene	<1.3		1.3	9.8
2,4,6-Trichlorophenol	<0.98		0.98	9.8
2,4,5-Trichlorophenol	<0.98		0.98	9.8
2-Chloronaphthalene	<0.49		0.49	9.8
2-Nitroaniline	<0.98	*	0.98	9.8
Dimethyl phthalate	<0.54		0.54	9.8
Acenaphthylene	<0.49		0.49	9.8
2,6-Dinitrotoluene	<0.98		0.98	9.8
3-Nitroaniline	<1.8		1.8	9.8
Acenaphthene	<0.56		0.56	9.8
2,4-Dinitrophenol	<4.9		4.9	9.8
4-Nitrophenol	<4.9		4.9	9.8
Dibenzofuran	<0.50		0.50	9.8
2,4-Dinitrotoluene	<0.98		0.98	9.8
Diethyl phthalate	<0.51		0.51	9.8
Fluorene	<0.60		0.60	9.8
4-Chlorophenyl phenyl ether	<0.51		0.51	9.8
4-Nitroaniline	<1.4		1.4	9.8
4,6-Dinitro-2-methylphenol	<4.9		4.9	9.8
N-Nitrosodiphenylamine	<0.50		0.50	9.8
4-Bromophenyl phenyl ether	<0.73		0.73	9.8
Hexachlorobenzene	<0.64		0.64	9.8
Phenanthrene	<0.50		0.50	9.8

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-B9**

Lab Sample ID: 560-16828-1

Client Matrix: Water

Date Sampled: 08/12/2009 1705

Date Received: 08/14/2009 1002

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-38959		Instrument ID:	SVGCMS#2
Preparation:	3520C	Prep Batch: 560-38943		Lab File ID:	08190910.D
Dilution:	1.0			Initial Weight/Volume:	1020 mL
Date Analyzed:	08/19/2009 1249			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Anthracene	<0.49		0.49	9.8
Di-n-butyl phthalate	0.66	J	0.49	9.8
Fluoranthene	<0.49		0.49	9.8
Pyrene	<0.49	*	0.49	9.8
Butyl benzyl phthalate	<0.98		0.98	9.8
Benzo[a]anthracene	<0.49		0.49	9.8
Chrysene	<0.49		0.49	9.8
Bis(2-ethylhexyl) phthalate	<1.9		1.9	9.8
Di-n-octyl phthalate	<2.0		2.0	9.8
Benzo[b]fluoranthene	<0.49		0.49	9.8
Benzo[k]fluoranthene	<0.49		0.49	9.8
Benzo[a]pyrene	<0.49	*	0.49	9.8
Indeno[1,2,3-cd]pyrene	<0.49		0.49	9.8
Dibenz(a,h)anthracene	<0.49		0.49	9.8
Benzo[g,h,i]perylene	<0.49		0.49	9.8
3,3'-Dichlorobenzidine	<0.49		0.49	9.8
Pentachlorophenol	<2.0		2.0	9.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	56		10 - 120
Phenol-d5	63		12 - 120
Nitrobenzene-d5	73		36 - 120
2-Fluorobiphenyl	66		32 - 120
2,4,6-Tribromophenol	91		31 - 126
Terphenyl-d14	61		10 - 120

Client: ARGO Systems LLC | Job Number: 560-16828-1

Client Sample ID: **LF-GW-G4**

Lab Sample ID: 560-16828-2 | Date Sampled: 08/12/2009 1800
Client Matrix: Water | Date Received: 08/14/2009 1002

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-38959		Instrument ID:	SVGCMS#2
Preparation:	3520C	Prep Batch: 560-38943		Lab File ID:	08190916.D
Dilution:	1.0			Initial Weight/Volume:	1030 mL
Date Analyzed:	08/19/2009 1520			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	<0.97		0.97	9.7
Bis(2-chloroethyl)ether	<0.68		0.68	9.7
2-Chlorophenol	<0.97		0.97	9.7
1,3-Dichlorobenzene	<0.97		0.97	9.7
1,4-Dichlorobenzene	<0.97		0.97	9.7
Benzyl alcohol	<1.3		1.3	9.7
1,2-Dichlorobenzene	<0.97		0.97	9.7
2-Methylphenol	<0.49		0.49	9.7
3 & 4 Methylphenol	<1.9		1.9	19
N-Nitrosodi-n-propylamine	<0.63		0.63	9.7
Hexachloroethane	<0.57		0.57	9.7
Nitrobenzene	<0.49		0.49	9.7
Isophorone	<0.61		0.61	9.7
2-Nitrophenol	<0.97		0.97	9.7
2,4-Dimethylphenol	<0.54		0.54	9.7
Bis(2-chloroethoxy)methane	<0.58		0.58	9.7
2,4-Dichlorophenol	<0.97		0.97	9.7
1,2,4-Trichlorobenzene	<0.97		0.97	9.7
Naphthalene	<0.49		0.49	9.7
4-Chloroaniline	<0.49		0.49	9.7
Hexachlorobutadiene	<0.97		0.97	9.7
4-Chloro-3-methylphenol	<0.97		0.97	9.7
2-Methylnaphthalene	<0.49		0.49	9.7
Hexachlorocyclopentadiene	<1.3		1.3	9.7
2,4,6-Trichlorophenol	<0.97		0.97	9.7
2,4,5-Trichlorophenol	<0.97		0.97	9.7
2-Chloronaphthalene	<0.49		0.49	9.7
2-Nitroaniline	<0.97	*	0.97	9.7
Dimethyl phthalate	<0.53		0.53	9.7
Acenaphthylene	<0.49		0.49	9.7
2,6-Dinitrotoluene	<0.97		0.97	9.7
3-Nitroaniline	<1.7		1.7	9.7
Acenaphthene	<0.55		0.55	9.7
2,4-Dinitrophenol	<4.9		4.9	9.7
4-Nitrophenol	<4.9		4.9	9.7
Dibenzofuran	<0.50		0.50	9.7
2,4-Dinitrotoluene	<0.97		0.97	9.7
Diethyl phthalate	0.95	J	0.51	9.7
Fluorene	<0.59		0.59	9.7
4-Chlorophenyl phenyl ether	<0.51		0.51	9.7
4-Nitroaniline	<1.4		1.4	9.7
4,6-Dinitro-2-methylphenol	<4.9		4.9	9.7
N-Nitrosodiphenylamine	<0.49		0.49	9.7
4-Bromophenyl phenyl ether	<0.72		0.72	9.7
Hexachlorobenzene	<0.63		0.63	9.7
Phenanthrene	<0.50		0.50	9.7

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-G4**

Lab Sample ID: 560-16828-2

Client Matrix: Water

Date Sampled: 08/12/2009 1800

Date Received: 08/14/2009 1002

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-38959		Instrument ID:	SVGCMS#2
Preparation:	3520C	Prep Batch: 560-38943		Lab File ID:	08190916.D
Dilution:	1.0			Initial Weight/Volume:	1030 mL
Date Analyzed:	08/19/2009 1520			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Anthracene	<0.49		0.49	9.7
Di-n-butyl phthalate	0.55	J	0.49	9.7
Fluoranthene	<0.49		0.49	9.7
Pyrene	<0.49	*	0.49	9.7
Butyl benzyl phthalate	<0.97		0.97	9.7
Benzo[a]anthracene	<0.49		0.49	9.7
Chrysene	<0.49		0.49	9.7
Bis(2-ethylhexyl) phthalate	<1.8		1.8	9.7
Di-n-octyl phthalate	<1.9		1.9	9.7
Benzo[b]fluoranthene	<0.49		0.49	9.7
Benzo[k]fluoranthene	<0.49		0.49	9.7
Benzo[a]pyrene	<0.49	*	0.49	9.7
Indeno[1,2,3-cd]pyrene	<0.49		0.49	9.7
Dibenz(a,h)anthracene	<0.49		0.49	9.7
Benzo[g,h,i]perylene	<0.49		0.49	9.7
3,3'-Dichlorobenzidine	<0.49		0.49	9.7
Pentachlorophenol	<1.9		1.9	9.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	60		10 - 120
Phenol-d5	67		12 - 120
Nitrobenzene-d5	72		36 - 120
2-Fluorobiphenyl	66		32 - 120
2,4,6-Tribromophenol	93		31 - 126
Terphenyl-d14	34		10 - 120

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-G2**

Lab Sample ID: 560-16828-3

Client Matrix: Water

Date Sampled: 08/13/2009 0840

Date Received: 08/14/2009 1002

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-38959		Instrument ID:	SVGCMS#2
Preparation:	3520C	Prep Batch: 560-38943		Lab File ID:	08190917.D
Dilution:	1.0			Initial Weight/Volume:	1020 mL
Date Analyzed:	08/19/2009 1545			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	<0.98		0.98	9.8
Bis(2-chloroethyl)ether	<0.69		0.69	9.8
2-Chlorophenol	<0.98		0.98	9.8
1,3-Dichlorobenzene	<0.98		0.98	9.8
1,4-Dichlorobenzene	<0.98		0.98	9.8
Benzyl alcohol	<1.3		1.3	9.8
1,2-Dichlorobenzene	<0.98		0.98	9.8
2-Methylphenol	<0.49		0.49	9.8
3 & 4 Methylphenol	<2.0		2.0	20
N-Nitrosodi-n-propylamine	<0.64		0.64	9.8
Hexachloroethane	<0.57		0.57	9.8
Nitrobenzene	<0.49		0.49	9.8
Isophorone	<0.61		0.61	9.8
2-Nitrophenol	<0.98		0.98	9.8
2,4-Dimethylphenol	<0.55		0.55	9.8
Bis(2-chloroethoxy)methane	<0.58		0.58	9.8
2,4-Dichlorophenol	<0.98		0.98	9.8
1,2,4-Trichlorobenzene	<0.98		0.98	9.8
Naphthalene	<0.49		0.49	9.8
4-Chloroaniline	<0.49		0.49	9.8
Hexachlorobutadiene	<0.98		0.98	9.8
4-Chloro-3-methylphenol	<0.98		0.98	9.8
2-Methylnaphthalene	<0.49		0.49	9.8
Hexachlorocyclopentadiene	<1.3		1.3	9.8
2,4,6-Trichlorophenol	<0.98		0.98	9.8
2,4,5-Trichlorophenol	<0.98		0.98	9.8
2-Chloronaphthalene	<0.49		0.49	9.8
2-Nitroaniline	<0.98	*	0.98	9.8
Dimethyl phthalate	<0.54		0.54	9.8
Acenaphthylene	<0.49		0.49	9.8
2,6-Dinitrotoluene	<0.98		0.98	9.8
3-Nitroaniline	<1.8		1.8	9.8
Acenaphthene	<0.56		0.56	9.8
2,4-Dinitrophenol	<4.9		4.9	9.8
4-Nitrophenol	<4.9		4.9	9.8
Dibenzofuran	<0.50		0.50	9.8
2,4-Dinitrotoluene	<0.98		0.98	9.8
Diethyl phthalate	<0.51		0.51	9.8
Fluorene	<0.60		0.60	9.8
4-Chlorophenyl phenyl ether	<0.51		0.51	9.8
4-Nitroaniline	<1.4		1.4	9.8
4,6-Dinitro-2-methylphenol	<4.9		4.9	9.8
N-Nitrosodiphenylamine	<0.50		0.50	9.8
4-Bromophenyl phenyl ether	<0.73		0.73	9.8
Hexachlorobenzene	<0.64		0.64	9.8
Phenanthrene	<0.50		0.50	9.8

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-G2**

Lab Sample ID: 560-16828-3

Client Matrix: Water

Date Sampled: 08/13/2009 0840

Date Received: 08/14/2009 1002

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-38959		Instrument ID:	SVGCMS#2
Preparation:	3520C	Prep Batch: 560-38943		Lab File ID:	08190917.D
Dilution:	1.0			Initial Weight/Volume:	1020 mL
Date Analyzed:	08/19/2009 1545			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Anthracene	<0.49		0.49	9.8
Di-n-butyl phthalate	<0.49		0.49	9.8
Fluoranthene	<0.49		0.49	9.8
Pyrene	<0.49	*	0.49	9.8
Butyl benzyl phthalate	<0.98		0.98	9.8
Benzo[a]anthracene	<0.49		0.49	9.8
Chrysene	<0.49		0.49	9.8
Bis(2-ethylhexyl) phthalate	<1.9		1.9	9.8
Di-n-octyl phthalate	<2.0		2.0	9.8
Benzo[b]fluoranthene	<0.49		0.49	9.8
Benzo[k]fluoranthene	<0.49		0.49	9.8
Benzo[a]pyrene	<0.49	*	0.49	9.8
Indeno[1,2,3-cd]pyrene	<0.49		0.49	9.8
Dibenz(a,h)anthracene	<0.49		0.49	9.8
Benzo[g,h,i]perylene	<0.49		0.49	9.8
3,3'-Dichlorobenzidine	<0.49		0.49	9.8
Pentachlorophenol	<2.0		2.0	9.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	62		10 - 120
Phenol-d5	70		12 - 120
Nitrobenzene-d5	72		36 - 120
2-Fluorobiphenyl	66		32 - 120
2,4,6-Tribromophenol	94		31 - 126
Terphenyl-d14	50		10 - 120

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-RB**

Lab Sample ID: 560-16828-4

Client Matrix: Water

Date Sampled: 08/13/2009 0930

Date Received: 08/14/2009 1002

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-38959		Instrument ID:	SVGCMS#2
Preparation:	3520C	Prep Batch: 560-38943		Lab File ID:	08190918.D
Dilution:	1.0			Initial Weight/Volume:	1010 mL
Date Analyzed:	08/19/2009 1610			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	<0.99		0.99	9.9
Bis(2-chloroethyl)ether	<0.70		0.70	9.9
2-Chlorophenol	<0.99		0.99	9.9
1,3-Dichlorobenzene	<0.99		0.99	9.9
1,4-Dichlorobenzene	<0.99		0.99	9.9
Benzyl alcohol	<1.4		1.4	9.9
1,2-Dichlorobenzene	<0.99		0.99	9.9
2-Methylphenol	<0.50		0.50	9.9
3 & 4 Methylphenol	<2.0		2.0	20
N-Nitrosodi-n-propylamine	<0.64		0.64	9.9
Hexachloroethane	<0.58		0.58	9.9
Nitrobenzene	<0.50		0.50	9.9
Isophorone	<0.62		0.62	9.9
2-Nitrophenol	<0.99		0.99	9.9
2,4-Dimethylphenol	<0.55		0.55	9.9
Bis(2-chloroethoxy)methane	<0.59		0.59	9.9
2,4-Dichlorophenol	<0.99		0.99	9.9
1,2,4-Trichlorobenzene	<0.99		0.99	9.9
Naphthalene	<0.50		0.50	9.9
4-Chloroaniline	<0.50		0.50	9.9
Hexachlorobutadiene	<0.99		0.99	9.9
4-Chloro-3-methylphenol	<0.99		0.99	9.9
2-Methylnaphthalene	<0.50		0.50	9.9
Hexachlorocyclopentadiene	<1.3		1.3	9.9
2,4,6-Trichlorophenol	<0.99		0.99	9.9
2,4,5-Trichlorophenol	<0.99		0.99	9.9
2-Chloronaphthalene	<0.50		0.50	9.9
2-Nitroaniline	<0.99	*	0.99	9.9
Dimethyl phthalate	<0.54		0.54	9.9
Acenaphthylene	<0.50		0.50	9.9
2,6-Dinitrotoluene	<0.99		0.99	9.9
3-Nitroaniline	<1.8		1.8	9.9
Acenaphthene	<0.56		0.56	9.9
2,4-Dinitrophenol	<5.0		5.0	9.9
4-Nitrophenol	<5.0		5.0	9.9
Dibenzofuran	<0.51		0.51	9.9
2,4-Dinitrotoluene	<0.99		0.99	9.9
Diethyl phthalate	<0.52		0.52	9.9
Fluorene	<0.60		0.60	9.9
4-Chlorophenyl phenyl ether	<0.52		0.52	9.9
4-Nitroaniline	<1.4		1.4	9.9
4,6-Dinitro-2-methylphenol	<5.0		5.0	9.9
N-Nitrosodiphenylamine	<0.50		0.50	9.9
4-Bromophenyl phenyl ether	<0.74		0.74	9.9
Hexachlorobenzene	<0.65		0.65	9.9
Phenanthrene	<0.51		0.51	9.9

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-RB**

Lab Sample ID: 560-16828-4

Client Matrix: Water

Date Sampled: 08/13/2009 0930

Date Received: 08/14/2009 1002

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-38959		Instrument ID:	SVGCMS#2
Preparation:	3520C	Prep Batch: 560-38943		Lab File ID:	08190918.D
Dilution:	1.0			Initial Weight/Volume:	1010 mL
Date Analyzed:	08/19/2009 1610			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Anthracene	<0.50		0.50	9.9
Di-n-butyl phthalate	<0.50		0.50	9.9
Fluoranthene	<0.50		0.50	9.9
Pyrene	<0.50	*	0.50	9.9
Butyl benzyl phthalate	<0.99		0.99	9.9
Benzo[a]anthracene	<0.50		0.50	9.9
Chrysene	<0.50		0.50	9.9
Bis(2-ethylhexyl) phthalate	<1.9		1.9	9.9
Di-n-octyl phthalate	<2.0		2.0	9.9
Benzo[b]fluoranthene	<0.50		0.50	9.9
Benzo[k]fluoranthene	<0.50		0.50	9.9
Benzo[a]pyrene	<0.50	*	0.50	9.9
Indeno[1,2,3-cd]pyrene	<0.50		0.50	9.9
Dibenz(a,h)anthracene	<0.50		0.50	9.9
Benzo[g,h,i]perylene	<0.50		0.50	9.9
3,3'-Dichlorobenzidine	<0.50		0.50	9.9
Pentachlorophenol	<2.0		2.0	9.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	52		10 - 120
Phenol-d5	59		12 - 120
Nitrobenzene-d5	61		36 - 120
2-Fluorobiphenyl	53		32 - 120
2,4,6-Tribromophenol	61		31 - 126
Terphenyl-d14	85		10 - 120

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-FB**

Lab Sample ID: 560-16828-5

Client Matrix: Water

Date Sampled: 08/13/2009 0945

Date Received: 08/14/2009 1002

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-38959		Instrument ID:	SVGCMS#2
Preparation:	3520C	Prep Batch: 560-38943		Lab File ID:	08190919.D
Dilution:	1.0			Initial Weight/Volume:	1010 mL
Date Analyzed:	08/19/2009 1635			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	<0.99		0.99	9.9
Bis(2-chloroethyl)ether	<0.70		0.70	9.9
2-Chlorophenol	<0.99		0.99	9.9
1,3-Dichlorobenzene	<0.99		0.99	9.9
1,4-Dichlorobenzene	<0.99		0.99	9.9
Benzyl alcohol	<1.4		1.4	9.9
1,2-Dichlorobenzene	<0.99		0.99	9.9
2-Methylphenol	<0.50		0.50	9.9
3 & 4 Methylphenol	<2.0		2.0	20
N-Nitrosodi-n-propylamine	<0.64		0.64	9.9
Hexachloroethane	<0.58		0.58	9.9
Nitrobenzene	<0.50		0.50	9.9
Isophorone	<0.62		0.62	9.9
2-Nitrophenol	<0.99		0.99	9.9
2,4-Dimethylphenol	<0.55		0.55	9.9
Bis(2-chloroethoxy)methane	<0.59		0.59	9.9
2,4-Dichlorophenol	<0.99		0.99	9.9
1,2,4-Trichlorobenzene	<0.99		0.99	9.9
Naphthalene	<0.50		0.50	9.9
4-Chloroaniline	<0.50		0.50	9.9
Hexachlorobutadiene	<0.99		0.99	9.9
4-Chloro-3-methylphenol	<0.99		0.99	9.9
2-Methylnaphthalene	<0.50		0.50	9.9
Hexachlorocyclopentadiene	<1.3		1.3	9.9
2,4,6-Trichlorophenol	<0.99		0.99	9.9
2,4,5-Trichlorophenol	<0.99		0.99	9.9
2-Chloronaphthalene	<0.50		0.50	9.9
2-Nitroaniline	<0.99	*	0.99	9.9
Dimethyl phthalate	<0.54		0.54	9.9
Acenaphthylene	<0.50		0.50	9.9
2,6-Dinitrotoluene	<0.99		0.99	9.9
3-Nitroaniline	<1.8		1.8	9.9
Acenaphthene	<0.56		0.56	9.9
2,4-Dinitrophenol	<5.0		5.0	9.9
4-Nitrophenol	<5.0		5.0	9.9
Dibenzofuran	<0.51		0.51	9.9
2,4-Dinitrotoluene	<0.99		0.99	9.9
Diethyl phthalate	<0.52		0.52	9.9
Fluorene	<0.60		0.60	9.9
4-Chlorophenyl phenyl ether	<0.52		0.52	9.9
4-Nitroaniline	<1.4		1.4	9.9
4,6-Dinitro-2-methylphenol	<5.0		5.0	9.9
N-Nitrosodiphenylamine	<0.50		0.50	9.9
4-Bromophenyl phenyl ether	<0.74		0.74	9.9
Hexachlorobenzene	<0.65		0.65	9.9
Phenanthrene	<0.51		0.51	9.9

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-FB**

Lab Sample ID: 560-16828-5

Client Matrix: Water

Date Sampled: 08/13/2009 0945

Date Received: 08/14/2009 1002

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-38959		Instrument ID:	SVGCMS#2
Preparation:	3520C	Prep Batch: 560-38943		Lab File ID:	08190919.D
Dilution:	1.0			Initial Weight/Volume:	1010 mL
Date Analyzed:	08/19/2009 1635			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Anthracene	<0.50		0.50	9.9
Di-n-butyl phthalate	<0.50		0.50	9.9
Fluoranthene	<0.50		0.50	9.9
Pyrene	<0.50	*	0.50	9.9
Butyl benzyl phthalate	<0.99		0.99	9.9
Benzo[a]anthracene	<0.50		0.50	9.9
Chrysene	<0.50		0.50	9.9
Bis(2-ethylhexyl) phthalate	<1.9		1.9	9.9
Di-n-octyl phthalate	<2.0		2.0	9.9
Benzo[b]fluoranthene	<0.50		0.50	9.9
Benzo[k]fluoranthene	<0.50		0.50	9.9
Benzo[a]pyrene	<0.50	*	0.50	9.9
Indeno[1,2,3-cd]pyrene	<0.50		0.50	9.9
Dibenz(a,h)anthracene	<0.50		0.50	9.9
Benzo[g,h,i]perylene	<0.50		0.50	9.9
3,3'-Dichlorobenzidine	<0.50		0.50	9.9
Pentachlorophenol	<2.0		2.0	9.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	47		10 - 120
Phenol-d5	52		12 - 120
Nitrobenzene-d5	57		36 - 120
2-Fluorobiphenyl	48		32 - 120
2,4,6-Tribromophenol	64		31 - 126
Terphenyl-d14	95		10 - 120

Client: ARGO Systems LLC | Job Number: 560-16828-1

Client Sample ID: **LF-LEC-G3**

Lab Sample ID: 560-16828-7 | Date Sampled: 08/13/2009 1530
Client Matrix: Water | Date Received: 08/14/2009 1002

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-38959		Instrument ID:	SVGCMS#2
Preparation:	3520C	Prep Batch: 560-38943		Lab File ID:	08190920.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Date Analyzed:	08/19/2009 1700			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	<0.96		0.96	9.6
Bis(2-chloroethyl)ether	<0.68		0.68	9.6
2-Chlorophenol	<0.96		0.96	9.6
1,3-Dichlorobenzene	<0.96		0.96	9.6
1,4-Dichlorobenzene	<0.96		0.96	9.6
Benzyl alcohol	<1.3		1.3	9.6
1,2-Dichlorobenzene	<0.96		0.96	9.6
2-Methylphenol	<0.48		0.48	9.6
3 & 4 Methylphenol	2.3	J	1.9	19
N-Nitrosodi-n-propylamine	<0.62		0.62	9.6
Hexachloroethane	<0.56		0.56	9.6
Nitrobenzene	<0.48		0.48	9.6
Isophorone	<0.60		0.60	9.6
2-Nitrophenol	<0.96		0.96	9.6
2,4-Dimethylphenol	<0.54		0.54	9.6
Bis(2-chloroethoxy)methane	<0.57		0.57	9.6
2,4-Dichlorophenol	<0.96		0.96	9.6
1,2,4-Trichlorobenzene	<0.96		0.96	9.6
Naphthalene	2.3	J	0.48	9.6
4-Chloroaniline	<0.48		0.48	9.6
Hexachlorobutadiene	<0.96		0.96	9.6
4-Chloro-3-methylphenol	<0.96		0.96	9.6
2-Methylnaphthalene	<0.48		0.48	9.6
Hexachlorocyclopentadiene	<1.3		1.3	9.6
2,4,6-Trichlorophenol	<0.96		0.96	9.6
2,4,5-Trichlorophenol	<0.96		0.96	9.6
2-Chloronaphthalene	<0.48		0.48	9.6
2-Nitroaniline	<0.96	*	0.96	9.6
Dimethyl phthalate	<0.53		0.53	9.6
Acenaphthylene	<0.48		0.48	9.6
2,6-Dinitrotoluene	<0.96		0.96	9.6
3-Nitroaniline	<1.7		1.7	9.6
Acenaphthene	<0.55		0.55	9.6
2,4-Dinitrophenol	<4.8		4.8	9.6
4-Nitrophenol	<4.8		4.8	9.6
Dibenzofuran	<0.49		0.49	9.6
2,4-Dinitrotoluene	<0.96		0.96	9.6
Diethyl phthalate	1.3	J	0.50	9.6
Fluorene	<0.58		0.58	9.6
4-Chlorophenyl phenyl ether	<0.50		0.50	9.6
4-Nitroaniline	<1.4		1.4	9.6
4,6-Dinitro-2-methylphenol	<4.8		4.8	9.6
N-Nitrosodiphenylamine	<0.49		0.49	9.6
4-Bromophenyl phenyl ether	<0.71		0.71	9.6
Hexachlorobenzene	<0.63		0.63	9.6
Phenanthrene	<0.49		0.49	9.6

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-LEC-G3**

Lab Sample ID: 560-16828-7

Client Matrix: Water

Date Sampled: 08/13/2009 1530

Date Received: 08/14/2009 1002

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-38959		Instrument ID:	SVGCMS#2
Preparation:	3520C	Prep Batch: 560-38943		Lab File ID:	08190920.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Date Analyzed:	08/19/2009 1700			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Anthracene	<0.48		0.48	9.6
Di-n-butyl phthalate	<0.48		0.48	9.6
Fluoranthene	<0.48		0.48	9.6
Pyrene	<0.48	*	0.48	9.6
Butyl benzyl phthalate	<0.96		0.96	9.6
Benzo[a]anthracene	<0.48		0.48	9.6
Chrysene	<0.48		0.48	9.6
Bis(2-ethylhexyl) phthalate	<1.8		1.8	9.6
Di-n-octyl phthalate	<1.9		1.9	9.6
Benzo[b]fluoranthene	<0.48		0.48	9.6
Benzo[k]fluoranthene	<0.48		0.48	9.6
Benzo[a]pyrene	<0.48	*	0.48	9.6
Indeno[1,2,3-cd]pyrene	<0.48		0.48	9.6
Dibenz(a,h)anthracene	<0.48		0.48	9.6
Benzo[g,h,i]perylene	<0.48		0.48	9.6
3,3'-Dichlorobenzidine	<0.48		0.48	9.6
Pentachlorophenol	<1.9		1.9	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	73		10 - 120
Phenol-d5	81		12 - 120
Nitrobenzene-d5	80		36 - 120
2-Fluorobiphenyl	68		32 - 120
2,4,6-Tribromophenol	91		31 - 126
Terphenyl-d14	28		10 - 120

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-B9**

Lab Sample ID: 560-16828-1

Client Matrix: Water

Date Sampled: 08/12/2009 1705

Date Received: 08/14/2009 1002

8081B Organochlorine Pesticides by Gas Chromatography

Method:	8081B	Analysis Batch: 560-38963		Instrument ID:	SVGC#1
Preparation:	3520C	Prep Batch: 560-38882		Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	08/19/2009 2144			Injection Volume:	1 uL
Date Prepared:	08/17/2009 1100			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	<0.0028		0.0028	0.048
4,4'-DDE	<0.0025		0.0025	0.048
4,4'-DDT	<0.0033		0.0033	0.048
Aldrin	<0.0024		0.0024	0.048
alpha-BHC	<0.0054		0.0054	0.048
alpha-Chlordane	<0.0037		0.0037	0.048
beta-BHC	<0.0054		0.0054	0.048
Chlordane (technical)	<0.030		0.030	0.48
delta-BHC	<0.0024		0.0024	0.048
Dieldrin	<0.0080		0.0080	0.048
Endosulfan I	<0.0086		0.0086	0.048
Endosulfan II	<0.0034		0.0034	0.048
Endosulfan sulfate	<0.0038		0.0038	0.048
Endrin	<0.0024		0.0024	0.048
Endrin aldehyde	<0.0042		0.0042	0.048
Endrin ketone	<0.0070		0.0070	0.048
gamma-BHC (Lindane)	<0.0026		0.0026	0.048
gamma-Chlordane	<0.0045		0.0045	0.048
Heptachlor	<0.0057		0.0057	0.048
Heptachlor epoxide	<0.0027		0.0027	0.048
Methoxychlor	<0.022		0.022	0.048
Toxaphene	<0.28		0.28	0.96

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	22		10 - 152
Tetrachloro-m-xylene	95		57 - 127

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-G4**

Lab Sample ID: 560-16828-2

Client Matrix: Water

Date Sampled: 08/12/2009 1800

Date Received: 08/14/2009 1002

8081B Organochlorine Pesticides by Gas Chromatography

Method:	8081B	Analysis Batch: 560-38963		Instrument ID:	SVGC#1
Preparation:	3520C	Prep Batch: 560-38882		Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	08/19/2009 2231			Injection Volume:	1 uL
Date Prepared:	08/17/2009 1100			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	<0.0028		0.0028	0.048
4,4'-DDE	<0.0025		0.0025	0.048
4,4'-DDT	<0.0033		0.0033	0.048
Aldrin	<0.0024		0.0024	0.048
alpha-BHC	<0.0054		0.0054	0.048
alpha-Chlordane	<0.0037		0.0037	0.048
beta-BHC	<0.0054		0.0054	0.048
Chlordane (technical)	<0.030		0.030	0.48
delta-BHC	<0.0024		0.0024	0.048
Dieldrin	<0.0080		0.0080	0.048
Endosulfan I	<0.0086		0.0086	0.048
Endosulfan II	<0.0034		0.0034	0.048
Endosulfan sulfate	<0.0038		0.0038	0.048
Endrin	<0.0024		0.0024	0.048
Endrin aldehyde	<0.0042		0.0042	0.048
Endrin ketone	<0.0070		0.0070	0.048
gamma-BHC (Lindane)	<0.0026		0.0026	0.048
gamma-Chlordane	<0.0045		0.0045	0.048
Heptachlor	<0.0057		0.0057	0.048
Heptachlor epoxide	<0.0027		0.0027	0.048
Methoxychlor	<0.022		0.022	0.048
Toxaphene	<0.28		0.28	0.96

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	17		10 - 152
Tetrachloro-m-xylene	81		57 - 127

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-G2**

Lab Sample ID: 560-16828-3

Client Matrix: Water

Date Sampled: 08/13/2009 0840

Date Received: 08/14/2009 1002

8081B Organochlorine Pesticides by Gas Chromatography

Method:	8081B	Analysis Batch: 560-38963		Instrument ID:	SVGC#1
Preparation:	3520C	Prep Batch: 560-38882		Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	08/19/2009 2255			Injection Volume:	1 uL
Date Prepared:	08/17/2009 1100			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	<0.0028		0.0028	0.048
4,4'-DDE	<0.0025		0.0025	0.048
4,4'-DDT	<0.0033		0.0033	0.048
Aldrin	<0.0024		0.0024	0.048
alpha-BHC	<0.0054		0.0054	0.048
alpha-Chlordane	<0.0037		0.0037	0.048
beta-BHC	<0.0054		0.0054	0.048
Chlordane (technical)	<0.030		0.030	0.48
delta-BHC	0.031	J	0.0024	0.048
Dieldrin	<0.0080		0.0080	0.048
Endosulfan I	<0.0086		0.0086	0.048
Endosulfan II	<0.0034		0.0034	0.048
Endosulfan sulfate	<0.0038		0.0038	0.048
Endrin	<0.0024		0.0024	0.048
Endrin aldehyde	<0.0042		0.0042	0.048
Endrin ketone	<0.0070		0.0070	0.048
gamma-BHC (Lindane)	<0.0026		0.0026	0.048
gamma-Chlordane	<0.0045		0.0045	0.048
Heptachlor	<0.0057		0.0057	0.048
Heptachlor epoxide	<0.0027		0.0027	0.048
Methoxychlor	<0.022		0.022	0.048
Toxaphene	<0.28		0.28	0.96

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	19		10 - 152
Tetrachloro-m-xylene	84		57 - 127

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-RB**

Lab Sample ID: 560-16828-4

Client Matrix: Water

Date Sampled: 08/13/2009 0930

Date Received: 08/14/2009 1002

8081B Organochlorine Pesticides by Gas Chromatography

Method:	8081B	Analysis Batch: 560-38963		Instrument ID:	SVGC#1
Preparation:	3520C	Prep Batch: 560-38882		Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	08/19/2009 2318			Injection Volume:	1 uL
Date Prepared:	08/17/2009 1100			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	<0.0028		0.0028	0.048
4,4'-DDE	<0.0025		0.0025	0.048
4,4'-DDT	<0.0032		0.0032	0.048
Aldrin	<0.0024		0.0024	0.048
alpha-BHC	<0.0053		0.0053	0.048
alpha-Chlordane	<0.0036		0.0036	0.048
beta-BHC	<0.0053		0.0053	0.048
Chlordane (technical)	<0.030		0.030	0.48
delta-BHC	<0.0024		0.0024	0.048
Dieldrin	<0.0079		0.0079	0.048
Endosulfan I	<0.0085		0.0085	0.048
Endosulfan II	<0.0033		0.0033	0.048
Endosulfan sulfate	<0.0037		0.0037	0.048
Endrin	<0.0024		0.0024	0.048
Endrin aldehyde	<0.0042		0.0042	0.048
Endrin ketone	<0.0070		0.0070	0.048
gamma-BHC (Lindane)	<0.0026		0.0026	0.048
gamma-Chlordane	<0.0045		0.0045	0.048
Heptachlor	<0.0056		0.0056	0.048
Heptachlor epoxide	<0.0027		0.0027	0.048
Methoxychlor	<0.022		0.022	0.048
Toxaphene	<0.27		0.27	0.95

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	43		10 - 152
Tetrachloro-m-xylene	94		57 - 127

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-FB**

Lab Sample ID: 560-16828-5

Client Matrix: Water

Date Sampled: 08/13/2009 0945

Date Received: 08/14/2009 1002

8081B Organochlorine Pesticides by Gas Chromatography

Method:	8081B	Analysis Batch: 560-38963		Instrument ID:	SVGC#1
Preparation:	3520C	Prep Batch: 560-38882		Initial Weight/Volume:	1050 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	08/19/2009 2342			Injection Volume:	1 uL
Date Prepared:	08/17/2009 1100			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	<0.0028		0.0028	0.048
4,4'-DDE	<0.0025		0.0025	0.048
4,4'-DDT	<0.0032		0.0032	0.048
Aldrin	<0.0024		0.0024	0.048
alpha-BHC	<0.0053		0.0053	0.048
alpha-Chlordane	<0.0036		0.0036	0.048
beta-BHC	<0.0053		0.0053	0.048
Chlordane (technical)	<0.030		0.030	0.48
delta-BHC	<0.0024		0.0024	0.048
Dieldrin	<0.0079		0.0079	0.048
Endosulfan I	<0.0085		0.0085	0.048
Endosulfan II	<0.0033		0.0033	0.048
Endosulfan sulfate	<0.0037		0.0037	0.048
Endrin	<0.0024		0.0024	0.048
Endrin aldehyde	<0.0042		0.0042	0.048
Endrin ketone	<0.0070		0.0070	0.048
gamma-BHC (Lindane)	<0.0026		0.0026	0.048
gamma-Chlordane	<0.0045		0.0045	0.048
Heptachlor	<0.0056		0.0056	0.048
Heptachlor epoxide	<0.0027		0.0027	0.048
Methoxychlor	<0.022		0.022	0.048
Toxaphene	<0.27		0.27	0.95

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	65		10 - 152
Tetrachloro-m-xylene	95		57 - 127

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-LEC-G3**

Lab Sample ID: 560-16828-7

Client Matrix: Water

Date Sampled: 08/13/2009 1530

Date Received: 08/14/2009 1002

8081B Organochlorine Pesticides by Gas Chromatography

Method:	8081B	Analysis Batch: 560-38963		Instrument ID:	SVGC#1
Preparation:	3520C	Prep Batch: 560-38882		Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	08/20/2009 0005			Injection Volume:	1 uL
Date Prepared:	08/17/2009 1100			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	<0.0028		0.0028	0.048
4,4'-DDE	0.022	J	0.0025	0.048
4,4'-DDT	<0.0033		0.0033	0.048
Aldrin	<0.0024		0.0024	0.048
alpha-BHC	<0.0054		0.0054	0.048
alpha-Chlordane	<0.0037		0.0037	0.048
beta-BHC	<0.0054		0.0054	0.048
Chlordane (technical)	<0.030		0.030	0.48
delta-BHC	<0.0024		0.0024	0.048
Dieldrin	<0.0080		0.0080	0.048
Endosulfan I	<0.0086		0.0086	0.048
Endosulfan II	<0.0034		0.0034	0.048
Endosulfan sulfate	<0.0038		0.0038	0.048
Endrin	<0.0024		0.0024	0.048
Endrin aldehyde	<0.0042		0.0042	0.048
Endrin ketone	0.025	J	0.0070	0.048
gamma-BHC (Lindane)	<0.0026		0.0026	0.048
gamma-Chlordane	<0.0045		0.0045	0.048
Heptachlor	<0.0057		0.0057	0.048
Heptachlor epoxide	0.032	J	0.0027	0.048
Methoxychlor	<0.022		0.022	0.048
Toxaphene	<0.28		0.28	0.96

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	14		10 - 152
Tetrachloro-m-xylene	55	X	57 - 127

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-B9**

Lab Sample ID: 560-16828-1

Client Matrix: Water

Date Sampled: 08/12/2009 1705

Date Received: 08/14/2009 1002

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 600-19723		Instrument ID:	ECD08
Preparation:	8151A	Prep Batch: 600-19458		Initial Weight/Volume:	1003 mL
Dilution:	1.0			Final Weight/Volume:	5.00 mL
Date Analyzed:	08/18/2009 1745			Injection Volume:	1.0 uL
Date Prepared:	08/17/2009 1421			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dalapon	<1.0	*	1.0	10
Dicamba	<0.010		0.010	0.20
Dichlorprop	<0.030		0.030	0.20
2,4-D	<0.040		0.040	0.20
Silvex (2,4,5-TP)	<0.020		0.020	0.20
2,4,5-T	<0.020		0.020	0.20
2,4-DB	<0.050		0.050	0.20
Dinoseb	<0.020		0.020	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid (Surr)	81		10 - 125.2

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-B9**

Lab Sample ID: 560-16828-1

Client Matrix: Water

Date Sampled: 08/12/2009 1705

Date Received: 08/14/2009 1002

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 600-19668		Instrument ID:	ECD08
Preparation:	8151A	Prep Batch: 600-19458		Initial Weight/Volume:	1003 mL
Dilution:	10			Final Weight/Volume:	5.00 mL
Date Analyzed:	08/19/2009 1654			Injection Volume:	1.0 uL
Date Prepared:	08/17/2009 1421			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
MCPP	<26	*	26	200
MCPA	<58		58	200

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid (Surr)	105		10 - 125.2

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-G4**

Lab Sample ID: 560-16828-2

Client Matrix: Water

Date Sampled: 08/12/2009 1800

Date Received: 08/14/2009 1002

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 600-19723		Instrument ID:	ECD08
Preparation:	8151A	Prep Batch: 600-19458		Initial Weight/Volume:	1010 mL
Dilution:	1.0			Final Weight/Volume:	5.00 mL
Date Analyzed:	08/18/2009 1842			Injection Volume:	1.0 uL
Date Prepared:	08/17/2009 1421			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dalapon	<0.99	*	0.99	9.9
Dicamba	<0.0099		0.0099	0.20
Dichlorprop	<0.030		0.030	0.20
2,4-D	<0.040		0.040	0.20
Silvex (2,4,5-TP)	<0.020		0.020	0.20
2,4,5-T	<0.020		0.020	0.20
2,4-DB	<0.050		0.050	0.20
Dinoseb	<0.020		0.020	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid (Surr)	85		10 - 125.2

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-G4**

Lab Sample ID: 560-16828-2

Client Matrix: Water

Date Sampled: 08/12/2009 1800

Date Received: 08/14/2009 1002

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 600-19668		Instrument ID:	ECD08
Preparation:	8151A	Prep Batch: 600-19458		Initial Weight/Volume:	1010 mL
Dilution:	10			Final Weight/Volume:	5.00 mL
Date Analyzed:	08/19/2009 1750			Injection Volume:	1.0 uL
Date Prepared:	08/17/2009 1421			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
MCPP	<26	*	26	200
MCPA	<57		57	200

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid (Surr)	114		10 - 125.2

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-G2**

Lab Sample ID: 560-16828-3

Client Matrix: Water

Date Sampled: 08/13/2009 0840

Date Received: 08/14/2009 1002

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 600-19723		Instrument ID:	ECD08
Preparation:	8151A	Prep Batch: 600-19458		Initial Weight/Volume:	1010 mL
Dilution:	1.0			Final Weight/Volume:	5.00 mL
Date Analyzed:	08/18/2009 1910			Injection Volume:	1.0 uL
Date Prepared:	08/17/2009 1421			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dalapon	<0.99	*	0.99	9.9
Dicamba	<0.0099		0.0099	0.20
Dichlorprop	<0.030		0.030	0.20
2,4-D	<0.040		0.040	0.20
Silvex (2,4,5-TP)	<0.020		0.020	0.20
2,4,5-T	<0.020		0.020	0.20
2,4-DB	<0.050		0.050	0.20
Dinoseb	<0.020		0.020	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid (Surr)	87		10 - 125.2

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-G2**

Lab Sample ID: 560-16828-3

Client Matrix: Water

Date Sampled: 08/13/2009 0840

Date Received: 08/14/2009 1002

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 600-19668		Instrument ID:	ECD08
Preparation:	8151A	Prep Batch: 600-19458		Initial Weight/Volume:	1010 mL
Dilution:	10			Final Weight/Volume:	5.00 mL
Date Analyzed:	08/19/2009 1818			Injection Volume:	1.0 uL
Date Prepared:	08/17/2009 1421			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
MCPP	<26	*	26	200
MCPA	<57		57	200

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid (Surr)	113		10 - 125.2

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-RB**

Lab Sample ID: 560-16828-4

Client Matrix: Water

Date Sampled: 08/13/2009 0930

Date Received: 08/14/2009 1002

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 600-19723		Instrument ID:	ECD08
Preparation:	8151A	Prep Batch: 600-19458		Initial Weight/Volume:	1005 mL
Dilution:	1.0			Final Weight/Volume:	5.00 mL
Date Analyzed:	08/18/2009 1938			Injection Volume:	1.0 uL
Date Prepared:	08/17/2009 1421			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dalapon	<1.0	*	1.0	10
Dicamba	<0.010		0.010	0.20
Dichlorprop	<0.030		0.030	0.20
2,4-D	<0.040		0.040	0.20
Silvex (2,4,5-TP)	<0.020		0.020	0.20
2,4,5-T	<0.020		0.020	0.20
2,4-DB	<0.050		0.050	0.20
Dinoseb	<0.020		0.020	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid (Surr)	83		10 - 125.2

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-RB**

Lab Sample ID: 560-16828-4

Client Matrix: Water

Date Sampled: 08/13/2009 0930

Date Received: 08/14/2009 1002

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 600-19668		Instrument ID:	ECD08
Preparation:	8151A	Prep Batch: 600-19458		Initial Weight/Volume:	1005 mL
Dilution:	10			Final Weight/Volume:	5.00 mL
Date Analyzed:	08/19/2009 1846			Injection Volume:	1.0 uL
Date Prepared:	08/17/2009 1421			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
MCPP	<26	*	26	200
MCPA	<58		58	200

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid (Surr)	102		10 - 125.2

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-FB**

Lab Sample ID: 560-16828-5

Client Matrix: Water

Date Sampled: 08/13/2009 0945

Date Received: 08/14/2009 1002

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 600-19723		Instrument ID:	ECD08
Preparation:	8151A	Prep Batch: 600-19458		Initial Weight/Volume:	1005 mL
Dilution:	1.0			Final Weight/Volume:	5.00 mL
Date Analyzed:	08/18/2009 2006			Injection Volume:	1.0 uL
Date Prepared:	08/17/2009 1421			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dalapon	<1.0	*	1.0	10
Dicamba	<0.010		0.010	0.20
Dichlorprop	<0.030		0.030	0.20
2,4-D	<0.040		0.040	0.20
Silvex (2,4,5-TP)	<0.020		0.020	0.20
2,4,5-T	<0.020		0.020	0.20
2,4-DB	<0.050		0.050	0.20
Dinoseb	<0.020		0.020	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid (Surr)	86		10 - 125.2

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-FB**

Lab Sample ID: 560-16828-5

Client Matrix: Water

Date Sampled: 08/13/2009 0945

Date Received: 08/14/2009 1002

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 600-19668		Instrument ID:	ECD08
Preparation:	8151A	Prep Batch: 600-19458		Initial Weight/Volume:	1005 mL
Dilution:	10			Final Weight/Volume:	5.00 mL
Date Analyzed:	08/19/2009 2010			Injection Volume:	1.0 uL
Date Prepared:	08/17/2009 1421			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
MCPP	<26	*	26	200
MCPA	<58		58	200

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid (Surr)	100		10 - 125.2

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-LEC-G3**

Lab Sample ID: 560-16828-7
Client Matrix: Water

Date Sampled: 08/13/2009 1530
Date Received: 08/14/2009 1002

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 600-19668		Instrument ID:	ECD08
Preparation:	8151A	Prep Batch: 600-19458		Initial Weight/Volume:	1005 mL
Dilution:	10			Final Weight/Volume:	5.00 mL
Date Analyzed:	08/19/2009 2039			Injection Volume:	1.0 uL
Date Prepared:	08/17/2009 1421			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dalapon	<10	*	10	100
Dicamba	<0.10		0.10	2.0
MCPP	<26	*	26	200
MCPA	<58		58	200
Dichlorprop	<0.30		0.30	2.0
2,4-D	<0.40		0.40	2.0
Silvex (2,4,5-TP)	<0.20		0.20	2.0
2,4,5-T	<0.20		0.20	2.0
2,4-DB	<0.50		0.50	2.0
Dinoseb	<0.20		0.20	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid (Surr)	177	X	10 - 125.2

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-B9**

Lab Sample ID: 560-16828-1

Client Matrix: Water

Date Sampled: 08/12/2009 1705

Date Received: 08/14/2009 1002

TX 1005 Texas - Total Petroleum Hydrocarbon (GC)

Method:	TX 1005	Analysis Batch: 560-39096		Instrument ID:	SVGC#4
Preparation:	TX_1005_W_Prep	Prep Batch: 560-38949		Lab File ID:	08200989.D
Dilution:	1.0			Initial Weight/Volume:	32.67 mL
Date Analyzed:	08/20/2009 2132			Final Weight/Volume:	3 mL
Date Prepared:	08/18/2009 1450			Injection Volume:	

Analyte	Result (mg/L)	Qualifier	MDL	RL
Over C12-C28	0.44	J	0.43	4.6
Over C28-C35	<0.43		0.43	4.6
C6-C12	<0.43		0.43	4.6
C6-C35	0.44	J	0.43	4.6

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl (Surr)	97		70 - 130
1-Chlorooctane (Surr)	90		70 - 130

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-G4**

Lab Sample ID: 560-16828-2

Client Matrix: Water

Date Sampled: 08/12/2009 1800

Date Received: 08/14/2009 1002

TX 1005 Texas - Total Petroleum Hydrocarbon (GC)

Method:	TX 1005	Analysis Batch: 560-39096		Instrument ID:	SVGC#4
Preparation:	TX_1005_W_Prep	Prep Batch: 560-38949		Lab File ID:	08200992.D
Dilution:	1.0			Initial Weight/Volume:	32.81 mL
Date Analyzed:	08/20/2009 2158			Final Weight/Volume:	3 mL
Date Prepared:	08/18/2009 1450			Injection Volume:	

Analyte	Result (mg/L)	Qualifier	MDL	RL
Over C12-C28	<0.43		0.43	4.6
Over C28-C35	<0.43		0.43	4.6
C6-C12	<0.43		0.43	4.6
C6-C35	<0.43		0.43	4.6

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl (Surr)	93		70 - 130
1-Chlorooctane (Surr)	86		70 - 130

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-G2**

Lab Sample ID: 560-16828-3

Client Matrix: Water

Date Sampled: 08/13/2009 0840

Date Received: 08/14/2009 1002

TX 1005 Texas - Total Petroleum Hydrocarbon (GC)

Method:	TX 1005	Analysis Batch: 560-39096		Instrument ID:	SVGC#4
Preparation:	TX_1005_W_Prep	Prep Batch: 560-38949		Lab File ID:	08200993.D
Dilution:	1.0			Initial Weight/Volume:	32.97 mL
Date Analyzed:	08/20/2009 2207			Final Weight/Volume:	3 mL
Date Prepared:	08/18/2009 1450			Injection Volume:	

Analyte	Result (mg/L)	Qualifier	MDL	RL
Over C12-C28	0.45	J	0.43	4.5
Over C28-C35	<0.43		0.43	4.5
C6-C12	<0.43		0.43	4.5
C6-C35	0.45	J	0.43	4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl (Surr)	99		70 - 130
1-Chlorooctane (Surr)	90		70 - 130

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-RB**

Lab Sample ID: 560-16828-4

Client Matrix: Water

Date Sampled: 08/13/2009 0930

Date Received: 08/14/2009 1002

TX 1005 Texas - Total Petroleum Hydrocarbon (GC)

Method:	TX 1005	Analysis Batch: 560-39096		Instrument ID:	SVGC#4
Preparation:	TX_1005_W_Prep	Prep Batch: 560-38949		Lab File ID:	08200994.D
Dilution:	1.0			Initial Weight/Volume:	32.77 mL
Date Analyzed:	08/20/2009 2215			Final Weight/Volume:	3 mL
Date Prepared:	08/18/2009 1450			Injection Volume:	

Analyte	Result (mg/L)	Qualifier	MDL	RL
Over C12-C28	<0.43		0.43	4.6
Over C28-C35	<0.43		0.43	4.6
C6-C12	<0.43		0.43	4.6
C6-C35	<0.43		0.43	4.6

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl (Surr)	87		70 - 130
1-Chlorooctane (Surr)	80		70 - 130

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-FB**

Lab Sample ID: 560-16828-5

Client Matrix: Water

Date Sampled: 08/13/2009 0945

Date Received: 08/14/2009 1002

TX 1005 Texas - Total Petroleum Hydrocarbon (GC)

Method:	TX 1005	Analysis Batch: 560-39096		Instrument ID:	SVGC#4
Preparation:	TX_1005_W_Prep	Prep Batch: 560-38949		Lab File ID:	08200995.D
Dilution:	1.0			Initial Weight/Volume:	32.10 mL
Date Analyzed:	08/20/2009 2224			Final Weight/Volume:	3 mL
Date Prepared:	08/18/2009 1450			Injection Volume:	

Analyte	Result (mg/L)	Qualifier	MDL	RL
Over C12-C28	<0.44		0.44	4.7
Over C28-C35	<0.44		0.44	4.7
C6-C12	<0.44		0.44	4.7
C6-C35	<0.44		0.44	4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl (Surr)	91		70 - 130
1-Chlorooctane (Surr)	84		70 - 130

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-G1**

Lab Sample ID: 560-16828-6

Client Matrix: Water

Date Sampled: 08/13/2009 0940

Date Received: 08/14/2009 1002

TX 1005 Texas - Total Petroleum Hydrocarbon (GC)

Method:	TX 1005	Analysis Batch: 560-39096		Instrument ID:	SVGC#4
Preparation:	TX_1005_W_Prep	Prep Batch: 560-38949		Lab File ID:	08200998.D
Dilution:	1.0			Initial Weight/Volume:	29.71 mL
Date Analyzed:	08/20/2009 2249			Final Weight/Volume:	3 mL
Date Prepared:	08/18/2009 1450			Injection Volume:	

Analyte	Result (mg/L)	Qualifier	MDL	RL
Over C12-C28	0.51	J	0.47	5.0
Over C28-C35	<0.47		0.47	5.0
C6-C12	<0.47		0.47	5.0
C6-C35	0.51	J	0.47	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl (Surr)	87		70 - 130
1-Chlorooctane (Surr)	81		70 - 130

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-LEC-G3**

Lab Sample ID: 560-16828-7

Client Matrix: Water

Date Sampled: 08/13/2009 1530

Date Received: 08/14/2009 1002

TX 1005 Texas - Total Petroleum Hydrocarbon (GC)

Method:	TX 1005	Analysis Batch: 560-39096		Instrument ID:	SVGC#4
Preparation:	TX_1005_W_Prep	Prep Batch: 560-38949		Lab File ID:	08200999.D
Dilution:	1.0			Initial Weight/Volume:	33.38 mL
Date Analyzed:	08/20/2009 2258			Final Weight/Volume:	3 mL
Date Prepared:	08/18/2009 1450			Injection Volume:	

Analyte	Result (mg/L)	Qualifier	MDL	RL
Over C12-C28	1.4	J	0.42	4.5
Over C28-C35	<0.42		0.42	4.5
C6-C12	0.63	J	0.42	4.5
C6-C35	2.0	J	0.42	4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl (Surr)	92		70 - 130
1-Chlorooctane (Surr)	85		70 - 130

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-B9**

Lab Sample ID: 560-16828-1
Client Matrix: Water

Date Sampled: 08/12/2009 1705
Date Received: 08/14/2009 1002

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 560-38922		Instrument ID:	Micpms
Preparation:	3010A	Prep Batch: 560-38884		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/17/2009 1514			Final Weight/Volume:	50 mL
Date Prepared:	08/17/2009 0830				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Silver	0.0012		0.00094	0.0050
Arsenic	0.0038		0.0015	0.0050
Barium	0.028		0.0012	0.0050
Cadmium	<0.00085		0.00085	0.0025
Chromium	0.0018		0.0014	0.0050
Lead	0.0022		0.0020	0.0050
Selenium	<0.0011		0.0011	0.0050

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 560-39023		Instrument ID:	Mhg1
Preparation:	7470A	Prep Batch: 560-39032		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/19/2009 1729			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2009 1000				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	<0.00013		0.00013	0.0020

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-G4**

Lab Sample ID: 560-16828-2
Client Matrix: Water

Date Sampled: 08/12/2009 1800
Date Received: 08/14/2009 1002

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 560-38968		Instrument ID:	Micpms
Preparation:	3010A	Prep Batch: 560-38931		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/18/2009 1823			Final Weight/Volume:	50 mL
Date Prepared:	08/18/2009 0830				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Silver	<0.00094		0.00094	0.0050
Arsenic	0.012		0.0015	0.0050
Barium	0.19		0.0012	0.0050
Cadmium	0.0014	J	0.00085	0.0025
Chromium	0.012		0.0014	0.0050
Lead	0.038		0.0020	0.0050
Selenium	0.0014	J	0.0011	0.0050

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 560-39023		Instrument ID:	Mhg1
Preparation:	7470A	Prep Batch: 560-39032		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/19/2009 1738			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2009 1000				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	<0.00013		0.00013	0.0020

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-G2**

Lab Sample ID: 560-16828-3
Client Matrix: Water

Date Sampled: 08/13/2009 0840
Date Received: 08/14/2009 1002

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 560-38968		Instrument ID:	Micpms
Preparation:	3010A	Prep Batch: 560-38931		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/18/2009 1830			Final Weight/Volume:	50 mL
Date Prepared:	08/18/2009 0830				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Silver	<0.00094		0.00094	0.0050
Arsenic	0.0099		0.0015	0.0050
Barium	0.14		0.0012	0.0050
Cadmium	<0.00085		0.00085	0.0025
Chromium	0.0042	J	0.0014	0.0050
Lead	0.017		0.0020	0.0050
Selenium	<0.0011		0.0011	0.0050

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 560-39023		Instrument ID:	Mhg1
Preparation:	7470A	Prep Batch: 560-39032		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/19/2009 1740			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2009 1000				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	<0.00013		0.00013	0.0020

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-RB**

Lab Sample ID: 560-16828-4
Client Matrix: Water

Date Sampled: 08/13/2009 0930
Date Received: 08/14/2009 1002

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 560-38922		Instrument ID:	Micpms
Preparation:	3010A	Prep Batch: 560-38884		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/17/2009 1549			Final Weight/Volume:	50 mL
Date Prepared:	08/17/2009 0830				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Silver	<0.00094		0.00094	0.0050
Arsenic	<0.0015		0.0015	0.0050
Barium	<0.0012		0.0012	0.0050
Cadmium	<0.00085		0.00085	0.0025
Chromium	<0.0014		0.0014	0.0050
Lead	<0.0020		0.0020	0.0050
Selenium	<0.0011		0.0011	0.0050

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 560-39023		Instrument ID:	Mhg1
Preparation:	7470A	Prep Batch: 560-39032		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/19/2009 1743			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2009 1000				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	<0.00013		0.00013	0.0020

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-FB**

Lab Sample ID: 560-16828-5
Client Matrix: Water

Date Sampled: 08/13/2009 0945
Date Received: 08/14/2009 1002

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 560-38922		Instrument ID:	Micpms
Preparation:	3010A	Prep Batch: 560-38884		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/17/2009 1554			Final Weight/Volume:	50 mL
Date Prepared:	08/17/2009 0830				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Silver	<0.00094		0.00094	0.0050
Arsenic	<0.0015		0.0015	0.0050
Barium	<0.0012		0.0012	0.0050
Cadmium	<0.00085		0.00085	0.0025
Chromium	<0.0014		0.0014	0.0050
Lead	<0.0020		0.0020	0.0050
Selenium	<0.0011		0.0011	0.0050

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 560-39023		Instrument ID:	Mhg1
Preparation:	7470A	Prep Batch: 560-39032		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/19/2009 1752			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2009 1000				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	<0.00013		0.00013	0.0020

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-GW-G1**

Lab Sample ID: 560-16828-6
Client Matrix: Water

Date Sampled: 08/13/2009 0940
Date Received: 08/14/2009 1002

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 560-38968		Instrument ID:	Micpms
Preparation:	3010A	Prep Batch: 560-38931		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/18/2009 1837			Final Weight/Volume:	50 mL
Date Prepared:	08/18/2009 0830				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Silver	<0.00094		0.00094	0.0050
Arsenic	0.015		0.0015	0.0050
Barium	0.24		0.0012	0.0050
Cadmium	0.0021	J	0.00085	0.0025
Chromium	0.013		0.0014	0.0050
Lead	0.058		0.0020	0.0050
Selenium	0.0022	J	0.0011	0.0050

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 560-39023		Instrument ID:	Mhg1
Preparation:	7470A	Prep Batch: 560-39032		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/19/2009 1755			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2009 1000				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	<0.00013		0.00013	0.0020

Client: ARGO Systems LLC

Job Number: 560-16828-1

Client Sample ID: **LF-LEC-G3**

Lab Sample ID: 560-16828-7
Client Matrix: Water

Date Sampled: 08/13/2009 1530
Date Received: 08/14/2009 1002

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 560-38968		Instrument ID:	Micpms
Preparation:	3010A	Prep Batch: 560-38931		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/18/2009 1900			Final Weight/Volume:	50 mL
Date Prepared:	08/18/2009 0830				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Silver	<0.00094		0.00094	0.0050
Arsenic	0.014		0.0015	0.0050
Cadmium	0.0032		0.00085	0.0025
Chromium	0.0081		0.0014	0.0050
Lead	0.13		0.0020	0.0050
Selenium	0.0024	J	0.0011	0.0050

Method:	6020	Analysis Batch: 560-39099		Instrument ID:	Micpms
Preparation:	3010A	Prep Batch: 560-38931		Lab File ID:	N/A
Dilution:	5.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/21/2009 1859			Final Weight/Volume:	50 mL
Date Prepared:	08/18/2009 0830				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Barium	4.5		0.0060	0.025

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 560-39023		Instrument ID:	Mhg1
Preparation:	7470A	Prep Batch: 560-39032		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/19/2009 1757			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2009 1000				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	<0.00013		0.00013	0.0020

General Chemistry

Client Sample ID: **LF-LEC-G3**

Lab Sample ID: 560-16828-7 Date Sampled: 08/13/2009 1530
Client Matrix: Water Date Received: 08/14/2009 1002

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	500	B	mg/L	1.1	4.0	4.0	415.1
Analysis Batch: 560-39172	Date Analyzed: 08/24/2009 1129						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH	6.2		SU	0.10	0.10	1.0	9040C
Analysis Batch: 560-39020	Date Analyzed: 08/14/2009 1400						

DATA REPORTING QUALIFIERS

Client: ARGO Systems LLC

Job Number: 560-16828-1

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	*	RPD of the LCS and LCSD exceeds the control limits
	X	Surrogate exceeds the control limits
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
Metals		
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
General Chemistry		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARGO Systems LLC

Job Number: 560-16828-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:560-38897					
LCS 560-38897/3	Lab Control Sample	T	Water	8260B	
MB 560-38897/8	Method Blank	T	Water	8260B	
560-16828-1	LF-GW-B9	T	Water	8260B	
560-16828-1MS	Matrix Spike	T	Water	8260B	
560-16828-1MSD	Matrix Spike Duplicate	T	Water	8260B	
560-16828-2	LF-GW-G4	T	Water	8260B	
560-16828-3	LF-GW-G2	T	Water	8260B	
560-16828-4	LF-GW-RB	T	Water	8260B	
560-16828-5	LF-GW-FB	T	Water	8260B	
560-16828-6	LF-GW-G1	T	Water	8260B	
560-16828-7	LF-LEC-G3	T	Water	8260B	
560-16828-8TB	Trip Blank	T	Water	8260B	

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 560-38943					
LCS 560-38943/2-A	Lab Control Sample	T	Water	3520C	
LCSD 560-38943/3-A	Lab Control Sample Duplicate	T	Water	3520C	
MB 560-38943/1-A	Method Blank	T	Water	3520C	
560-16828-1	LF-GW-B9	T	Water	3520C	
560-16828-1MS	Matrix Spike	T	Water	3520C	
560-16828-2	LF-GW-G4	T	Water	3520C	
560-16828-3	LF-GW-G2	T	Water	3520C	
560-16828-4	LF-GW-RB	T	Water	3520C	
560-16828-5	LF-GW-FB	T	Water	3520C	
560-16828-7	LF-LEC-G3	T	Water	3520C	
Analysis Batch:560-38959					
LCS 560-38943/2-A	Lab Control Sample	T	Water	8270C	560-38943
LCSD 560-38943/3-A	Lab Control Sample Duplicate	T	Water	8270C	560-38943
MB 560-38943/1-A	Method Blank	T	Water	8270C	560-38943
560-16828-1	LF-GW-B9	T	Water	8270C	560-38943
560-16828-1MS	Matrix Spike	T	Water	8270C	560-38943
560-16828-2	LF-GW-G4	T	Water	8270C	560-38943
560-16828-3	LF-GW-G2	T	Water	8270C	560-38943
560-16828-4	LF-GW-RB	T	Water	8270C	560-38943
560-16828-5	LF-GW-FB	T	Water	8270C	560-38943
560-16828-7	LF-LEC-G3	T	Water	8270C	560-38943

Report Basis
T = Total

Client: ARGO Systems LLC

Job Number: 560-16828-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 600-19458					
LCS 600-19458/2-A	Lab Control Sample	T	Water	8151A	
LCSD 600-19458/3-A	Lab Control Sample Duplicate	T	Water	8151A	
MB 600-19458/1-A	Method Blank	T	Water	8151A	
560-16828-1	LF-GW-B9	T	Water	8151A	
560-16828-1MS	Matrix Spike	T	Water	8151A	
560-16828-2	LF-GW-G4	T	Water	8151A	
560-16828-3	LF-GW-G2	T	Water	8151A	
560-16828-4	LF-GW-RB	T	Water	8151A	
560-16828-5	LF-GW-FB	T	Water	8151A	
560-16828-7	LF-LEC-G3	T	Water	8151A	
Analysis Batch:600-19668					
LCS 600-19458/2-A	Lab Control Sample	T	Water	8151A	600-19458
LCSD 600-19458/3-A	Lab Control Sample Duplicate	T	Water	8151A	600-19458
MB 600-19458/1-A	Method Blank	T	Water	8151A	600-19458
560-16828-1	LF-GW-B9	T	Water	8151A	600-19458
560-16828-1MS	Matrix Spike	T	Water	8151A	600-19458
560-16828-2	LF-GW-G4	T	Water	8151A	600-19458
560-16828-3	LF-GW-G2	T	Water	8151A	600-19458
560-16828-4	LF-GW-RB	T	Water	8151A	600-19458
560-16828-5	LF-GW-FB	T	Water	8151A	600-19458
560-16828-7	LF-LEC-G3	T	Water	8151A	600-19458
Analysis Batch:600-19723					
LCS 600-19458/2-A	Lab Control Sample	T	Water	8151A	600-19458
LCSD 600-19458/3-A	Lab Control Sample Duplicate	T	Water	8151A	600-19458
MB 600-19458/1-A	Method Blank	T	Water	8151A	600-19458
560-16828-1	LF-GW-B9	T	Water	8151A	600-19458
560-16828-1MS	Matrix Spike	T	Water	8151A	600-19458
560-16828-2	LF-GW-G4	T	Water	8151A	600-19458
560-16828-3	LF-GW-G2	T	Water	8151A	600-19458
560-16828-4	LF-GW-RB	T	Water	8151A	600-19458
560-16828-5	LF-GW-FB	T	Water	8151A	600-19458

Client: ARGO Systems LLC

Job Number: 560-16828-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 560-38882					
LCS 560-38882/2-A	Lab Control Sample	T	Water	3520C	
LCS 560-38882/4-A	Lab Control Sample	T	Water	3520C	
LCS 560-38882/6-A	Lab Control Sample	T	Water	3520C	
LCSD 560-38882/3-A	Lab Control Sample Duplicate	T	Water	3520C	
LCSD 560-38882/5-A	Lab Control Sample Duplicate	T	Water	3520C	
LCSD 560-38882/7-A	Lab Control Sample Duplicate	T	Water	3520C	
MB 560-38882/1-A	Method Blank	T	Water	3520C	
560-16828-1	LF-GW-B9	T	Water	3520C	
560-16828-1MS	Matrix Spike	T	Water	3520C	
560-16828-2	LF-GW-G4	T	Water	3520C	
560-16828-3	LF-GW-G2	T	Water	3520C	
560-16828-4	LF-GW-RB	T	Water	3520C	
560-16828-5	LF-GW-FB	T	Water	3520C	
560-16828-7	LF-LEC-G3	T	Water	3520C	
Prep Batch: 560-38949					
LCS 560-38949/2-A	Lab Control Sample	T	Water	TX_1005_W_Pre	
LCSD 560-38949/3-A	Lab Control Sample Duplicate	T	Water	TX_1005_W_Pre	
MB 560-38949/1-A	Method Blank	T	Water	TX_1005_W_Pre	
560-16828-1	LF-GW-B9	T	Water	TX_1005_W_Pre	
560-16828-1MS	Matrix Spike	T	Water	TX_1005_W_Pre	
560-16828-1MSD	Matrix Spike Duplicate	T	Water	TX_1005_W_Pre	
560-16828-2	LF-GW-G4	T	Water	TX_1005_W_Pre	
560-16828-3	LF-GW-G2	T	Water	TX_1005_W_Pre	
560-16828-4	LF-GW-RB	T	Water	TX_1005_W_Pre	
560-16828-5	LF-GW-FB	T	Water	TX_1005_W_Pre	
560-16828-6	LF-GW-G1	T	Water	TX_1005_W_Pre	
560-16828-7	LF-LEC-G3	T	Water	TX_1005_W_Pre	
Analysis Batch:560-38963					
LCS 560-38882/2-A	Lab Control Sample	T	Water	8081B	560-38882
LCS 560-38882/4-A	Lab Control Sample	T	Water	8081B	560-38882
LCS 560-38882/6-A	Lab Control Sample	T	Water	8081B	560-38882
LCSD 560-38882/3-A	Lab Control Sample Duplicate	T	Water	8081B	560-38882
LCSD 560-38882/5-A	Lab Control Sample Duplicate	T	Water	8081B	560-38882
LCSD 560-38882/7-A	Lab Control Sample Duplicate	T	Water	8081B	560-38882
MB 560-38882/1-A	Method Blank	T	Water	8081B	560-38882
560-16828-1	LF-GW-B9	T	Water	8081B	560-38882
560-16828-1MS	Matrix Spike	T	Water	8081B	560-38882
560-16828-2	LF-GW-G4	T	Water	8081B	560-38882
560-16828-3	LF-GW-G2	T	Water	8081B	560-38882
560-16828-4	LF-GW-RB	T	Water	8081B	560-38882
560-16828-5	LF-GW-FB	T	Water	8081B	560-38882
560-16828-7	LF-LEC-G3	T	Water	8081B	560-38882

Client: ARGO Systems LLC

Job Number: 560-16828-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:560-39096					
LCS 560-38949/2-A	Lab Control Sample	T	Water	TX 1005	560-38949
LCSD 560-38949/3-A	Lab Control Sample Duplicate	T	Water	TX 1005	560-38949
MB 560-38949/1-A	Method Blank	T	Water	TX 1005	560-38949
560-16828-1	LF-GW-B9	T	Water	TX 1005	560-38949
560-16828-1MS	Matrix Spike	T	Water	TX 1005	560-38949
560-16828-1MSD	Matrix Spike Duplicate	T	Water	TX 1005	560-38949
560-16828-2	LF-GW-G4	T	Water	TX 1005	560-38949
560-16828-3	LF-GW-G2	T	Water	TX 1005	560-38949
560-16828-4	LF-GW-RB	T	Water	TX 1005	560-38949
560-16828-5	LF-GW-FB	T	Water	TX 1005	560-38949
560-16828-6	LF-GW-G1	T	Water	TX 1005	560-38949
560-16828-7	LF-LEC-G3	T	Water	TX 1005	560-38949

Report Basis
T = Total

Client: ARGO Systems LLC

Job Number: 560-16828-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 560-38884					
LCS 560-38884/2-A	Lab Control Sample	T	Water	3010A	
MB 560-38884/1-A	Method Blank	T	Water	3010A	
560-16828-1	LF-GW-B9	T	Water	3010A	
560-16828-1MS	Matrix Spike	T	Water	3010A	
560-16828-1MSD	Matrix Spike Duplicate	T	Water	3010A	
560-16828-4	LF-GW-RB	T	Water	3010A	
560-16828-5	LF-GW-FB	T	Water	3010A	
Analysis Batch:560-38922					
LCS 560-38884/2-A	Lab Control Sample	T	Water	6020	560-38884
MB 560-38884/1-A	Method Blank	T	Water	6020	560-38884
560-16828-1	LF-GW-B9	T	Water	6020	560-38884
560-16828-1MS	Matrix Spike	T	Water	6020	560-38884
560-16828-1MSD	Matrix Spike Duplicate	T	Water	6020	560-38884
560-16828-4	LF-GW-RB	T	Water	6020	560-38884
560-16828-5	LF-GW-FB	T	Water	6020	560-38884
Prep Batch: 560-38931					
LCS 560-38931/2-A	Lab Control Sample	T	Water	3010A	
MB 560-38931/1-A	Method Blank	T	Water	3010A	
560-16828-2	LF-GW-G4	T	Water	3010A	
560-16828-3	LF-GW-G2	T	Water	3010A	
560-16828-6	LF-GW-G1	T	Water	3010A	
560-16828-7	LF-LEC-G3	T	Water	3010A	
Analysis Batch:560-38968					
LCS 560-38931/2-A	Lab Control Sample	T	Water	6020	560-38931
MB 560-38931/1-A	Method Blank	T	Water	6020	560-38931
560-16828-2	LF-GW-G4	T	Water	6020	560-38931
560-16828-3	LF-GW-G2	T	Water	6020	560-38931
560-16828-6	LF-GW-G1	T	Water	6020	560-38931
560-16828-7	LF-LEC-G3	T	Water	6020	560-38931
Analysis Batch:560-39023					
LCS 560-39032/5-A	Lab Control Sample	T	Water	7470A	560-39032
MB 560-39032/4-A	Method Blank	T	Water	7470A	560-39032
560-16828-1	LF-GW-B9	T	Water	7470A	560-39032
560-16828-1MS	Matrix Spike	T	Water	7470A	560-39032
560-16828-1MSD	Matrix Spike Duplicate	T	Water	7470A	560-39032
560-16828-2	LF-GW-G4	T	Water	7470A	560-39032
560-16828-3	LF-GW-G2	T	Water	7470A	560-39032
560-16828-4	LF-GW-RB	T	Water	7470A	560-39032
560-16828-5	LF-GW-FB	T	Water	7470A	560-39032
560-16828-6	LF-GW-G1	T	Water	7470A	560-39032
560-16828-7	LF-LEC-G3	T	Water	7470A	560-39032

Client: ARGO Systems LLC

Job Number: 560-16828-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 560-39032					
LCS 560-39032/5-A	Lab Control Sample	T	Water	7470A	
MB 560-39032/4-A	Method Blank	T	Water	7470A	
560-16828-1	LF-GW-B9	T	Water	7470A	
560-16828-1MS	Matrix Spike	T	Water	7470A	
560-16828-1MSD	Matrix Spike Duplicate	T	Water	7470A	
560-16828-2	LF-GW-G4	T	Water	7470A	
560-16828-3	LF-GW-G2	T	Water	7470A	
560-16828-4	LF-GW-RB	T	Water	7470A	
560-16828-5	LF-GW-FB	T	Water	7470A	
560-16828-6	LF-GW-G1	T	Water	7470A	
560-16828-7	LF-LEC-G3	T	Water	7470A	
Analysis Batch:560-39099					
560-16828-7	LF-LEC-G3	T	Water	6020	560-38931

Report Basis
T = Total

General Chemistry					
Analysis Batch:560-39020					
LCS 560-39020/2	Lab Control Sample	T	Water	9040C	
560-16828-7	LF-LEC-G3	T	Water	9040C	
560-16828-7DU	Duplicate	T	Water	9040C	
Analysis Batch:560-39172					
LCS 560-39172/4	Lab Control Sample	T	Water	415.1	
MB 560-39172/3	Method Blank	T	Water	415.1	
560-16828-7	LF-LEC-G3	T	Water	415.1	

Report Basis
T = Total

Client: ARGO Systems LLC

Job Number: 560-16828-1

Method Blank - Batch: 560-38897

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 560-38897/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2009 1738
Date Prepared: 08/17/2009 1738

Analysis Batch: 560-38897
Prep Batch: N/A
Units: ug/L

Instrument ID: VGCMS#2
Lab File ID: 08170908.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Dichlorodifluoromethane	<0.43		0.43	1.0
Chloromethane	<0.39		0.39	1.0
Vinyl chloride	<0.20		0.20	1.0
Bromomethane	<0.39		0.39	1.0
Chloroethane	<0.40		0.40	1.0
Trichlorofluoromethane	<0.24		0.24	1.0
Ethyl ether	<0.20		0.20	1.0
1,1-Dichloroethene	<0.20		0.20	1.0
Carbon disulfide	<0.20		0.20	1.0
Iodomethane	<0.22		0.22	1.0
Methylene Chloride	<2.0		2.0	10
Acetone	<5.0		5.0	10
trans-1,2-Dichloroethene	<0.20		0.20	1.0
Methyl tert-butyl ether	<0.20		0.20	1.0
Acetonitrile	<2.2		2.2	10
1,1-Dichloroethane	<0.20		0.20	1.0
Vinyl acetate	<0.20		0.20	1.0
cis-1,2-Dichloroethene	<0.20		0.20	1.0
2,2-Dichloropropane	<0.34		0.34	1.0
Chloroform	<0.20		0.20	1.0
Ethyl acetate	<0.20		0.20	1.0
Carbon tetrachloride	<0.25		0.25	1.0
1,1,1-Trichloroethane	<0.20		0.20	1.0
1,1-Dichloropropene	<0.20		0.20	1.0
Benzene	<0.20		0.20	1.0
1,2-Dichloroethane	<0.20		0.20	1.0
Trichloroethene	<0.32		0.32	1.0
Dibromomethane	<0.20		0.20	1.0
1,2-Dichloropropane	<0.20		0.20	1.0
Dichlorobromomethane	<0.20		0.20	1.0
Methyl methacrylate	<0.20		0.20	5.0
1,4-Dioxane	<7.5		7.5	100
cis-1,3-Dichloropropene	<0.20		0.20	1.0
Toluene	<0.20		0.20	1.0
2-Nitropropane	<0.22		0.22	5.0
4-Methyl-2-pentanone (MIBK)	<0.20		0.20	1.0
trans-1,3-Dichloropropene	<0.20		0.20	1.0
Tetrachloroethene	<0.20		0.20	1.0
Ethyl methacrylate	<0.20		0.20	5.0
1,1,2-Trichloroethane	<0.20		0.20	1.0
Chlorodibromomethane	<0.22		0.22	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Method Blank - Batch: 560-38897

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 560-38897/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2009 1738
Date Prepared: 08/17/2009 1738

Analysis Batch: 560-38897
Prep Batch: N/A
Units: ug/L

Instrument ID: VGCMS#2
Lab File ID: 08170908.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,3-Dichloropropane	<0.20		0.20	1.0
Ethylene Dibromide	<0.20		0.20	1.0
2-Hexanone	<0.20		0.20	1.0
Chlorobenzene	<0.20		0.20	1.0
Ethylbenzene	<0.20		0.20	1.0
Bromoform	<0.20		0.20	5.0
Styrene	<0.20		0.20	5.0
1,1,2,2-Tetrachloroethane	<0.20		0.20	1.0
1,2,3-Trichloropropane	<0.20		0.20	1.0
1,3,5-Trimethylbenzene	<0.20		0.20	1.0
1,2,4-Trimethylbenzene	<0.20		0.20	1.0
1,2,3-Trichlorobenzene	<0.22		0.22	5.0
2-Butanone (MEK)	<0.47		0.47	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.28		0.28	1.0
Xylenes, Total	<0.23		0.23	2.0

Surrogate	% Rec	Acceptance Limits
Dibromofluoromethane (Surr)	88	74 - 123
1,2-Dichloroethane-d4 (Surr)	96	76 - 125
Toluene-d8 (Surr)	90	80 - 120
4-Bromofluorobenzene (Surr)	98	77 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Lab Control Sample - Batch: 560-38897

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 560-38897/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2009 1535
Date Prepared: 08/17/2009 1535

Analysis Batch: 560-38897
Prep Batch: N/A
Units: ug/L

Instrument ID: VGCMS#2
Lab File ID: 08170903.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	50.0	27.5	55	33 - 161	
Chloromethane	50.0	37.1	74	53 - 158	
Vinyl chloride	50.0	41.0	82	63 - 147	
Bromomethane	50.0	37.4	75	54 - 140	
Chloroethane	50.0	38.4	77	62 - 137	
Trichlorofluoromethane	50.0	37.4	75	70 - 149	
Ethyl ether	50.0	40.0	80	74 - 131	
1,1-Dichloroethene	50.0	40.3	81	68 - 125	
Carbon disulfide	50.0	41.9	84	66 - 180	
Iodomethane	50.0	46.8	94	80 - 136	
Methylene Chloride	50.0	38.9	78	75 - 126	
Acetone	50.0	46.3	93	37 - 183	
trans-1,2-Dichloroethene	50.0	38.8	78	79 - 129	*
Methyl tert-butyl ether	50.0	42.2	84	74 - 128	
Acetonitrile	500	488	98	46 - 157	
1,1-Dichloroethane	50.0	37.9	76	75 - 124	
Vinyl acetate	50.0	51.1	102	70 - 190	
cis-1,2-Dichloroethene	50.0	39.2	78	76 - 126	
2,2-Dichloropropane	50.0	42.8	86	66 - 132	
Chloroform	50.0	40.1	80	75 - 123	
Ethyl acetate	50.0	47.3	95	62 - 142	
Carbon tetrachloride	50.0	40.1	80	73 - 122	
1,1,1-Trichloroethane	50.0	40.2	80	75 - 124	
1,1-Dichloropropene	50.0	37.6	75	71 - 120	
Benzene	50.0	42.5	85	80 - 120	
1,2-Dichloroethane	50.0	43.0	86	74 - 122	
Trichloroethene	50.0	48.6	97	79 - 120	
Dibromomethane	50.0	44.7	89	79 - 120	
1,2-Dichloropropane	50.0	40.8	82	80 - 120	
Dichlorobromomethane	50.0	45.2	90	80 - 120	
Methyl methacrylate	50.0	47.9	96	65 - 125	
1,4-Dioxane	1000	1200	120	35 - 188	
cis-1,3-Dichloropropene	50.0	38.1	76	69 - 120	
Toluene	50.0	43.0	86	78 - 120	
2-Nitropropane	50.0	51.8	104	54 - 135	
4-Methyl-2-pentanone (MIBK)	50.0	47.7	95	66 - 130	
trans-1,3-Dichloropropene	50.0	50.5	101	80 - 130	
Tetrachloroethene	50.0	46.7	93	58 - 133	
Ethyl methacrylate	50.0	48.0	96	65 - 129	
1,1,2-Trichloroethane	50.0	51.5	103	80 - 121	
Chlorodibromomethane	50.0	49.6	99	77 - 120	
1,3-Dichloropropane	50.0	49.6	99	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Lab Control Sample - Batch: 560-38897

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 560-38897/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2009 1535
Date Prepared: 08/17/2009 1535

Analysis Batch: 560-38897
Prep Batch: N/A
Units: ug/L

Instrument ID: VGCMS#2
Lab File ID: 08170903.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ethylene Dibromide	50.0	54.9	110	80 - 120	
2-Hexanone	50.0	57.0	114	66 - 133	
Chlorobenzene	50.0	50.3	101	78 - 120	
Ethylbenzene	50.0	49.0	98	78 - 120	
Bromoform	50.0	54.6	109	62 - 120	
Styrene	50.0	54.2	108	68 - 121	
1,1,2,2-Tetrachloroethane	50.0	45.3	91	70 - 126	
1,2,3-Trichloropropane	50.0	50.8	102	67 - 141	
1,3,5-Trimethylbenzene	50.0	47.7	95	79 - 124	
1,2,4-Trimethylbenzene	50.0	47.2	94	78 - 121	
1,2,3-Trichlorobenzene	50.0	53.2	106	68 - 156	
2-Butanone (MEK)	50.0	44.3	89	53 - 147	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	42.7	85	63 - 127	
Xylenes, Total	150	150	100	80 - 121	

Surrogate	% Rec	Acceptance Limits
Dibromofluoromethane (Surr)	88	74 - 123
1,2-Dichloroethane-d4 (Surr)	91	76 - 125
Toluene-d8 (Surr)	94	80 - 120
4-Bromofluorobenzene (Surr)	102	77 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 560-38897

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 560-16828-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2009 1600
Date Prepared: 08/17/2009 1600

Analysis Batch: 560-38897
Prep Batch: N/A

Instrument ID: VGCMS#2
Lab File ID: 08170904.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 560-16828-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2009 1625
Date Prepared: 08/17/2009 1625

Analysis Batch: 560-38897
Prep Batch: N/A

Instrument ID: VGCMS#2
Lab File ID: 08170905.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Dichlorodifluoromethane	58	57	10 - 178	2	20		
Chloromethane	78	78	58 - 159	1	20		
Vinyl chloride	89	87	60 - 166	2	20		
Bromomethane	82	80	47 - 150	3	20		
Chloroethane	81	83	58 - 159	3	20		
Trichlorofluoromethane	82	83	64 - 160	1	20		
Ethyl ether	75	80	70 - 134	6	20		
1,1-Dichloroethene	83	82	76 - 129	1	20		
Carbon disulfide	89	89	51 - 161	1	20		
Iodomethane	95	98	80 - 139	3	20		
Methylene Chloride	76	77	71 - 140	1	20		
Acetone	83	75	49 - 160	10	20		
trans-1,2-Dichloroethene	79	80	74 - 140	1	20		
Methyl tert-butyl ether	80	82	69 - 126	2	20		
Acetonitrile	57	55	39 - 158	3	20		
1,1-Dichloroethane	78	78	74 - 132	0	20		
Vinyl acetate	97	97	57 - 192	1	20		
cis-1,2-Dichloroethene	78	79	75 - 127	1	20		
2,2-Dichloropropane	88	90	67 - 140	2	20		
Chloroform	81	83	76 - 132	2	20		
Ethyl acetate	91	90	58 - 146	1	20		
Carbon tetrachloride	82	85	58 - 157	3	20		
1,1,1-Trichloroethane	84	87	75 - 139	3	20		
1,1-Dichloropropene	81	80	75 - 127	2	20		
Benzene	86	87	80 - 127	0	20		
1,2-Dichloroethane	84	87	73 - 128	3	20		
Trichloroethene	95	95	70 - 138	0	20		
Dibromomethane	86	88	74 - 122	3	20		
1,2-Dichloropropane	82	83	77 - 129	1	20		
Dichlorobromomethane	89	91	78 - 127	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 560-38897

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	560-16828-1	Analysis Batch:	560-38897	Instrument ID:	VGCMS#2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	08170904.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	08/17/2009 1600			Final Weight/Volume:	5 mL
Date Prepared:	08/17/2009 1600				

MSD Lab Sample ID:	560-16828-1	Analysis Batch:	560-38897	Instrument ID:	VGCMS#2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	08170905.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	08/17/2009 1625			Final Weight/Volume:	5 mL
Date Prepared:	08/17/2009 1625				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Methyl methacrylate	90	89	54 - 130	2	20		
1,4-Dioxane	112	107	42 - 150	5	20		
cis-1,3-Dichloropropene	74	75	59 - 120	2	20		
Toluene	87	86	70 - 130	1	20		
2-Nitropropane	97	97	52 - 124	0	20		
4-Methyl-2-pentanone (MIBK)	95	93	48 - 141	2	20		
trans-1,3-Dichloropropene	100	96	66 - 143	4	20		
Tetrachloroethene	96	95	50 - 144	1	20		
Ethyl methacrylate	93	92	52 - 134	1	20		
1,1,2-Trichloroethane	103	100	72 - 128	4	20		
Chlorodibromomethane	101	97	68 - 127	4	20		
1,3-Dichloropropane	100	94	75 - 124	6	20		
Ethylene Dibromide	109	106	69 - 130	3	20		
2-Hexanone	121	113	47 - 146	7	20		
Chlorobenzene	104	99	75 - 127	5	20		
Ethylbenzene	105	100	78 - 128	5	20		
Bromoform	107	104	50 - 120	2	20		
Styrene	110	106	38 - 145	4	20		
1,1,2,2-Tetrachloroethane	96	94	59 - 144	2	20		
1,2,3-Trichloropropane	101	100	65 - 152	1	20		
1,3,5-Trimethylbenzene	103	101	71 - 130	2	20		
1,2,4-Trimethylbenzene	99	98	70 - 128	1	20		
1,2,3-Trichlorobenzene	105	106	69 - 131	2	20		
2-Butanone (MEK)	83	82	47 - 152	1	20		
1,1,2-Trichloro-1,2,2-trifluoroethane	92	90	62 - 144	2	20		
Xylenes, Total	104	102	74 - 131	2	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Dibromofluoromethane (Surr)	87	86	74 - 123
1,2-Dichloroethane-d4 (Surr)	89	89	76 - 125

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	91	92	80 - 120
4-Bromofluorobenzene (Surr)	100	97	77 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 560-38897

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 560-16828-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2009 1600
Date Prepared: 08/17/2009 1600

Units: ug/L

MSD Lab Sample ID: 560-16828-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2009 1625
Date Prepared: 08/17/2009 1625

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Dichlorodifluoromethane	<0.43	50.0	50.0	29.0	28.4
Chloromethane	<0.39	50.0	50.0	38.8	39.2
Vinyl chloride	<0.20	50.0	50.0	44.5	43.6
Bromomethane	<0.39	50.0	50.0	41.2	40.1
Chloroethane	<0.40	50.0	50.0	40.3	41.4
Trichlorofluoromethane	<0.24	50.0	50.0	41.0	41.3
Ethyl ether	<0.20	50.0	50.0	37.6	39.9
1,1-Dichloroethene	<0.20	50.0	50.0	41.4	41.2
Carbon disulfide	<0.20	50.0	50.0	44.7	44.4
Iodomethane	<0.22	50.0	50.0	47.5	48.8
Methylene Chloride	<2.0	50.0	50.0	38.0	38.5
Acetone	<5.0	50.0	50.0	41.3	37.5
trans-1,2-Dichloroethene	<0.20	50.0	50.0	39.6	39.8
Methyl tert-butyl ether	<0.20	50.0	50.0	40.1	40.8
Acetonitrile	<2.2	500	500	284	276
1,1-Dichloroethane	<0.20	50.0	50.0	38.8	38.8
Vinyl acetate	<0.20	50.0	50.0	48.7	48.4
cis-1,2-Dichloroethene	<0.20	50.0	50.0	39.0	39.4
2,2-Dichloropropane	<0.34	50.0	50.0	43.8	44.9
Chloroform	<0.20	50.0	50.0	40.4	41.3
Ethyl acetate	<0.20	50.0	50.0	45.4	45.0
Carbon tetrachloride	<0.25	50.0	50.0	41.2	42.3
1,1,1-Trichloroethane	<0.20	50.0	50.0	41.9	43.3
1,1-Dichloropropene	<0.20	50.0	50.0	40.5	39.8
Benzene	<0.20	50.0	50.0	43.1	43.3
1,2-Dichloroethane	<0.20	50.0	50.0	41.8	43.3
Trichloroethene	<0.32	50.0	50.0	47.3	47.5
Dibromomethane	<0.20	50.0	50.0	42.9	44.1
1,2-Dichloropropane	<0.20	50.0	50.0	40.9	41.4
Dichlorobromomethane	<0.20	50.0	50.0	44.6	45.4
Methyl methacrylate	<0.20	50.0	50.0	45.2	44.5
1,4-Dioxane	<7.5	1000	1000	1120	1070
cis-1,3-Dichloropropene	<0.20	50.0	50.0	36.8	37.6
Toluene	<0.20	50.0	50.0	43.5	43.2
2-Nitropropane	<0.22	50.0	50.0	48.5	48.6
4-Methyl-2-pentanone (MIBK)	<0.20	50.0	50.0	47.4	46.4
trans-1,3-Dichloropropene	<0.20	50.0	50.0	50.2	48.2
Tetrachloroethene	<0.20	50.0	50.0	48.0	47.4
Ethyl methacrylate	<0.20	50.0	50.0	46.3	45.9

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 560-38897

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 560-16828-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2009 1600
Date Prepared: 08/17/2009 1600

Units: ug/L

MSD Lab Sample ID: 560-16828-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2009 1625
Date Prepared: 08/17/2009 1625

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1,2-Trichloroethane	<0.20		50.0	50.0	51.6	49.8
Chlorodibromomethane	<0.22		50.0	50.0	50.4	48.6
1,3-Dichloropropane	<0.20		50.0	50.0	49.8	47.1
Ethylene Dibromide	<0.20		50.0	50.0	54.5	53.2
2-Hexanone	<0.20		50.0	50.0	60.7	56.5
Chlorobenzene	<0.20		50.0	50.0	52.0	49.3
Ethylbenzene	<0.20		50.0	50.0	52.5	50.0
Bromoform	<0.20		50.0	50.0	53.3	52.0
Styrene	<0.20		50.0	50.0	55.1	53.2
1,1,2,2-Tetrachloroethane	<0.20		50.0	50.0	48.2	47.2
1,2,3-Trichloropropane	<0.20		50.0	50.0	50.4	49.9
1,3,5-Trimethylbenzene	<0.20		50.0	50.0	51.5	50.3
1,2,4-Trimethylbenzene	<0.20		50.0	50.0	49.6	49.0
1,2,3-Trichlorobenzene	<0.22		50.0	50.0	52.4	53.2
2-Butanone (MEK)	0.96	J	50.0	50.0	42.6	42.1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.28		50.0	50.0	45.8	44.8
Xylenes, Total	<0.23		150	150	156	153

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Method Blank - Batch: 560-38943

Method: 8270C
Preparation: 3520C

Lab Sample ID: MB 560-38943/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1019
Date Prepared: 08/18/2009 1300

Analysis Batch: 560-38959
Prep Batch: 560-38943
Units: ug/L

Instrument ID: SVGCMS#2
Lab File ID: 08190905.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result	Qual	MDL	RL
Phenol	<1.0		1.0	10
Bis(2-chloroethyl)ether	<0.70		0.70	10
2-Chlorophenol	<1.0		1.0	10
1,3-Dichlorobenzene	<1.0		1.0	10
1,4-Dichlorobenzene	<1.0		1.0	10
Benzyl alcohol	<1.4		1.4	10
1,2-Dichlorobenzene	<1.0		1.0	10
2-Methylphenol	<0.50		0.50	10
3 & 4 Methylphenol	<2.0		2.0	20
N-Nitrosodi-n-propylamine	<0.65		0.65	10
Hexachloroethane	<0.58		0.58	10
Nitrobenzene	<0.50		0.50	10
Isophorone	<0.63		0.63	10
2-Nitrophenol	<1.0		1.0	10
2,4-Dimethylphenol	<0.56		0.56	10
Bis(2-chloroethoxy)methane	<0.59		0.59	10
2,4-Dichlorophenol	<1.0		1.0	10
1,2,4-Trichlorobenzene	<1.0		1.0	10
Naphthalene	<0.50		0.50	10
4-Chloroaniline	<0.50		0.50	10
Hexachlorobutadiene	<1.0		1.0	10
4-Chloro-3-methylphenol	<1.0		1.0	10
2-Methylnaphthalene	<0.50		0.50	10
Hexachlorocyclopentadiene	<1.3		1.3	10
2,4,6-Trichlorophenol	<1.0		1.0	10
2,4,5-Trichlorophenol	<1.0		1.0	10
2-Chloronaphthalene	<0.50		0.50	10
2-Nitroaniline	<1.0		1.0	10
Dimethyl phthalate	<0.55		0.55	10
Acenaphthylene	<0.50		0.50	10
2,6-Dinitrotoluene	<1.0		1.0	10
3-Nitroaniline	<1.8		1.8	10
Acenaphthene	<0.57		0.57	10
2,4-Dinitrophenol	<5.0		5.0	10
4-Nitrophenol	<5.0		5.0	10
Dibenzofuran	<0.51		0.51	10
2,4-Dinitrotoluene	<1.0		1.0	10
Diethyl phthalate	<0.52		0.52	10
Fluorene	<0.61		0.61	10
4-Chlorophenyl phenyl ether	<0.52		0.52	10
4-Nitroaniline	<1.5		1.5	10

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Method Blank - Batch: 560-38943

Method: 8270C
Preparation: 3520C

Lab Sample ID: MB 560-38943/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1019
Date Prepared: 08/18/2009 1300

Analysis Batch: 560-38959
Prep Batch: 560-38943
Units: ug/L

Instrument ID: SVGCMS#2
Lab File ID: 08190905.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result	Qual	MDL	RL
4,6-Dinitro-2-methylphenol	<5.0		5.0	10
N-Nitrosodiphenylamine	<0.51		0.51	10
4-Bromophenyl phenyl ether	<0.74		0.74	10
Hexachlorobenzene	<0.65		0.65	10
Phenanthrene	<0.51		0.51	10
Anthracene	<0.50		0.50	10
Di-n-butyl phthalate	<0.50		0.50	10
Fluoranthene	<0.50		0.50	10
Pyrene	<0.50		0.50	10
Butyl benzyl phthalate	<1.0		1.0	10
Benzo[a]anthracene	<0.50		0.50	10
Chrysene	<0.50		0.50	10
Bis(2-ethylhexyl) phthalate	<1.9		1.9	10
Di-n-octyl phthalate	<2.0		2.0	10
Benzo[b]fluoranthene	<0.50		0.50	10
Benzo[k]fluoranthene	<0.50		0.50	10
Benzo[a]pyrene	<0.50		0.50	10
Indeno[1,2,3-cd]pyrene	<0.50		0.50	10
Dibenz(a,h)anthracene	<0.50		0.50	10
Benzo[g,h,i]perylene	<0.50		0.50	10
3,3'-Dichlorobenzidine	<0.50		0.50	10
Pentachlorophenol	<2.0		2.0	10

Surrogate	% Rec	Acceptance Limits
2-Fluorophenol	64	10 - 120
Phenol-d5	70	12 - 120
Nitrobenzene-d5	76	36 - 120
2-Fluorobiphenyl	63	32 - 120
2,4,6-Tribromophenol	88	31 - 126
Terphenyl-d14	104	10 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 560-38943

Method: 8270C
Preparation: 3520C

LCS Lab Sample ID: LCS 560-38943/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1044
Date Prepared: 08/18/2009 1300

Analysis Batch: 560-38959
Prep Batch: 560-38943
Units: ug/L

Instrument ID: SVGCMS#2
Lab File ID: 08190906.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

LCSD Lab Sample ID: LCSD 560-38943/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1109
Date Prepared: 08/18/2009 1300

Analysis Batch: 560-38959
Prep Batch: 560-38943
Units: ug/L

Instrument ID: SVGCMS#2
Lab File ID: 08190907.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qua
Phenol	94	95	36 - 122	1	20		
Bis(2-chloroethyl)ether	94	95	57 - 120	1	20		
2-Chlorophenol	91	91	52 - 120	0	20		
1,3-Dichlorobenzene	65	68	46 - 120	5	20		
1,4-Dichlorobenzene	68	70	47 - 120	2	20		
Benzyl alcohol	86	86	62 - 120	1	20		
1,2-Dichlorobenzene	68	72	48 - 120	6	20		
2-Methylphenol	94	94	51 - 120	0	20		
3 & 4 Methylphenol	95	96	50 - 120	1	20		
N-Nitrosodi-n-propylamine	100	99	56 - 120	1	20		
Hexachloroethane	64	67	42 - 120	5	20		
Nitrobenzene	95	95	58 - 120	0	20		
Isophorone	95	95	54 - 120	0	20		
2-Nitrophenol	91	91	58 - 120	0	20		
2,4-Dimethylphenol	99	98	58 - 120	1	20		
Bis(2-chloroethoxy)methane	99	98	60 - 120	1	20		
2,4-Dichlorophenol	93	94	59 - 120	1	20		
1,2,4-Trichlorobenzene	81	82	55 - 120	2	20		
Naphthalene	87	88	60 - 120	1	20		
4-Chloroaniline	68	78	41 - 120	14	20		
Hexachlorobutadiene	76	80	50 - 120	5	20		
4-Chloro-3-methylphenol	94	97	59 - 120	3	20		
2-Methylnaphthalene	95	94	63 - 120	0	20		
Hexachlorocyclopentadiene	84	87	5 - 120	2	20		
2,4,6-Trichlorophenol	94	99	63 - 120	5	20		
2,4,5-Trichlorophenol	97	98	64 - 120	1	20		
2-Chloronaphthalene	92	93	61 - 120	1	20		
2-Nitroaniline	127	127	60 - 120	0	20	*	*
Dimethyl phthalate	98	100	70 - 120	1	20		
Acenaphthylene	96	96	65 - 120	1	20		
2,6-Dinitrotoluene	98	101	72 - 120	3	20		
3-Nitroaniline	97	99	71 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 560-38943

Method: 8270C
Preparation: 3520C

LCS Lab Sample ID: LCS 560-38943/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1044
Date Prepared: 08/18/2009 1300

Analysis Batch: 560-38959
Prep Batch: 560-38943
Units: ug/L

Instrument ID: SVGCMS#2
Lab File ID: 08190906.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

LCSD Lab Sample ID: LCSD 560-38943/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1109
Date Prepared: 08/18/2009 1300

Analysis Batch: 560-38959
Prep Batch: 560-38943
Units: ug/L

Instrument ID: SVGCMS#2
Lab File ID: 08190907.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qua
Acenaphthene	97	99	66 - 120	2	20		
2,4-Dinitrophenol	97	105	51 - 120	8	20		
4-Nitrophenol	95	96	43 - 120	1	20		
Dibenzofuran	96	98	60 - 120	2	20		
2,4-Dinitrotoluene	99	101	73 - 120	2	20		
Diethyl phthalate	100	102	74 - 120	2	20		
Fluorene	99	101	70 - 120	2	20		
4-Chlorophenyl phenyl ether	97	101	68 - 120	4	20		
4-Nitroaniline	102	102	76 - 120	0	20		
4,6-Dinitro-2-methylphenol	97	104	70 - 120	8	20		
N-Nitrosodiphenylamine	104	110	69 - 120	6	20		
4-Bromophenyl phenyl ether	100	109	72 - 120	8	20		
Hexachlorobenzene	98	105	70 - 120	7	20		
Phenanthrene	103	109	76 - 120	6	20		
Anthracene	98	104	74 - 120	6	20		
Di-n-butyl phthalate	99	106	75 - 120	7	20		
Fluoranthene	98	106	73 - 120	7	20		
Pyrene	115	123	70 - 120	7	20		*
Butyl benzyl phthalate	110	118	70 - 120	7	20		
Benzo[a]anthracene	100	108	72 - 120	8	20		
Chrysene	101	109	74 - 120	8	20		
Bis(2-ethylhexyl) phthalate	99	103	62 - 129	5	20		
Di-n-octyl phthalate	95	104	71 - 120	9	20		
Benzo[b]fluoranthene	109	116	72 - 128	6	20		
Benzo[k]fluoranthene	100	107	72 - 120	7	20		
Benzo[a]pyrene	117	126	72 - 120	8	20		*
Indeno[1,2,3-cd]pyrene	100	109	68 - 120	9	20		
Dibenz(a,h)anthracene	99	108	62 - 120	9	20		
Benzo[g,h,i]perylene	101	110	70 - 120	8	20		
3,3'-Dichlorobenzidine	95	100	58 - 120	6	20		
Pentachlorophenol	112	117	70 - 120	5	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2-Fluorophenol	77	77	10 - 120
Phenol-d5	82	84	12 - 120
Nitrobenzene-d5	86	85	36 - 120
2-Fluorobiphenyl	80	82	32 - 120
2,4,6-Tribromophenol	104	107	31 - 126
Terphenyl-d14	99	103	10 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 560-38943

Method: 8270C
Preparation: 3520C

LCS Lab Sample ID: LCS 560-38943/2-A
Units: ug/L
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1044
Date Prepared: 08/18/2009 1300

LCSD Lab Sample ID: LCSD 560-38943/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1109
Date Prepared: 08/18/2009 1300

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Phenol	100	100	94.0	95.4
Bis(2-chloroethyl)ether	100	100	93.9	94.6
2-Chlorophenol	100	100	90.8	90.9
1,3-Dichlorobenzene	100	100	64.7	67.7
1,4-Dichlorobenzene	100	100	68.3	69.9
Benzyl alcohol	100	100	85.5	86.3
1,2-Dichlorobenzene	100	100	68.4	72.3
2-Methylphenol	100	100	94.2	93.8
3 & 4 Methylphenol	200	200	190	192
N-Nitrosodi-n-propylamine	100	100	100	98.6
Hexachloroethane	100	100	64.3	67.5
Nitrobenzene	100	100	95.2	95.0
Isophorone	100	100	94.8	94.8
2-Nitrophenol	100	100	91.3	91.2
2,4-Dimethylphenol	100	100	99.4	98.0
Bis(2-chloroethoxy)methane	100	100	99.1	98.1
2,4-Dichlorophenol	100	100	93.1	94.1
1,2,4-Trichlorobenzene	100	100	80.6	81.9
Naphthalene	100	100	86.9	88.0
4-Chloroaniline	100	100	67.9	78.5
Hexachlorobutadiene	100	100	76.5	80.2
4-Chloro-3-methylphenol	100	100	93.7	97.0
2-Methylnaphthalene	100	100	94.9	94.5
Hexachlorocyclopentadiene	100	100	84.4	86.5
2,4,6-Trichlorophenol	100	100	94.3	98.7
2,4,5-Trichlorophenol	100	100	96.6	97.8
2-Chloronaphthalene	100	100	92.4	93.4
2-Nitroaniline	100	100	127 *	127 *
Dimethyl phthalate	100	100	98.4	99.6
Acenaphthylene	100	100	95.6	96.2
2,6-Dinitrotoluene	100	100	97.6	101
3-Nitroaniline	100	100	96.5	98.5
Acenaphthene	100	100	96.8	98.9
2,4-Dinitrophenol	100	100	96.6	105
4-Nitrophenol	100	100	94.6	95.6
Dibenzofuran	100	100	96.2	97.9
2,4-Dinitrotoluene	100	100	99.0	101
Diethyl phthalate	100	100	99.6	102
Fluorene	100	100	99.3	101

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 560-38943

Method: 8270C
Preparation: 3520C

LCS Lab Sample ID: LCS 560-38943/2-A
Units: ug/L
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1044
Date Prepared: 08/18/2009 1300

LCSD Lab Sample ID: LCSD 560-38943/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1109
Date Prepared: 08/18/2009 1300

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual	
4-Chlorophenyl phenyl ether	100	100	96.6	101	
4-Nitroaniline	100	100	102	102	
4,6-Dinitro-2-methylphenol	100	100	96.5	104	
N-Nitrosodiphenylamine	100	100	104	110	
4-Bromophenyl phenyl ether	100	100	100	109	
Hexachlorobenzene	100	100	98.1	105	
Phenanthrene	100	100	103	109	
Anthracene	100	100	98.0	104	
Di-n-butyl phthalate	100	100	99.1	106	
Fluoranthene	100	100	98.1	106	
Pyrene	100	100	115	123	*
Butyl benzyl phthalate	100	100	110	118	
Benzo[a]anthracene	100	100	100	108	
Chrysene	100	100	101	109	
Bis(2-ethylhexyl) phthalate	100	100	98.6	103	
Di-n-octyl phthalate	100	100	95.0	104	
Benzo[b]fluoranthene	100	100	109	116	
Benzo[k]fluoranthene	100	100	99.8	107	
Benzo[a]pyrene	100	100	117	126	*
Indeno[1,2,3-cd]pyrene	100	100	99.6	109	
Dibenz(a,h)anthracene	100	100	99.0	108	
Benzo[g,h,i]perylene	100	100	101	110	
3,3'-Dichlorobenzidine	150	150	142	151	
Pentachlorophenol	100	100	112	117	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Matrix Spike - Batch: 560-38943

Method: 8270C
Preparation: 3520C

Lab Sample ID: 560-16828-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1134
Date Prepared: 08/18/2009 1300

Analysis Batch: 560-38959
Prep Batch: 560-38943
Units: ug/L

Instrument ID: SVGCMS#2
Lab File ID: 08190908.D
Initial Weight/Volume: 1030 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Phenol	<0.98	97.1	86.9	90	20 - 120	
Bis(2-chloroethyl)ether	<0.69	97.1	86.0	89	37 - 120	
2-Chlorophenol	<0.98	97.1	84.7	87	37 - 120	
1,3-Dichlorobenzene	<0.98	97.1	66.0	68	32 - 120	
1,4-Dichlorobenzene	<0.98	97.1	68.3	70	32 - 120	
Benzyl alcohol	<1.3	97.1	78.1	80	30 - 120	
1,2-Dichlorobenzene	<0.98	97.1	68.7	71	33 - 120	
2-Methylphenol	<0.49	97.1	86.4	89	38 - 120	
3 & 4 Methylphenol	<2.0	194	174	90	32 - 120	
N-Nitrosodi-n-propylamine	<0.64	97.1	92.1	95	34 - 128	
Hexachloroethane	<0.57	97.1	64.4	66	28 - 120	
Nitrobenzene	<0.49	97.1	85.8	88	44 - 120	
Isophorone	<0.61	97.1	84.2	87	50 - 120	
2-Nitrophenol	<0.98	97.1	81.9	84	39 - 123	
2,4-Dimethylphenol	<0.55	97.1	90.4	93	28 - 120	
Bis(2-chloroethoxy)methane	<0.58	97.1	87.1	90	46 - 120	
2,4-Dichlorophenol	<0.98	97.1	85.5	88	48 - 120	
1,2,4-Trichlorobenzene	<0.98	97.1	77.3	80	37 - 120	
Naphthalene	<0.49	97.1	80.0	82	39 - 120	
4-Chloroaniline	<0.49	97.1	70.1	72	20 - 120	
Hexachlorobutadiene	<0.98	97.1	69.0	71	27 - 120	
4-Chloro-3-methylphenol	<0.98	97.1	92.1	95	47 - 120	
2-Methylnaphthalene	<0.49	97.1	86.8	89	46 - 120	
Hexachlorocyclopentadiene	<1.3	97.1	73.5	76	10 - 150	
2,4,6-Trichlorophenol	<0.98	97.1	93.5	96	49 - 126	
2,4,5-Trichlorophenol	<0.98	97.1	95.6	98	49 - 120	
2-Chloronaphthalene	<0.49	97.1	86.1	89	49 - 120	
2-Nitroaniline	<0.98	97.1	123	126	48 - 120	F
Dimethyl phthalate	<0.54	97.1	94.4	97	25 - 127	
Acenaphthylene	<0.49	97.1	90.4	93	50 - 120	
2,6-Dinitrotoluene	<0.98	97.1	95.3	98	49 - 120	
3-Nitroaniline	<1.8	97.1	92.2	95	20 - 126	
Acenaphthene	<0.56	97.1	90.2	93	47 - 120	
2,4-Dinitrophenol	<4.9	97.1	102	105	25 - 130	
4-Nitrophenol	<4.9	97.1	92.5	95	20 - 120	
Dibenzofuran	<0.50	97.1	90.4	93	54 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Matrix Spike - Batch: 560-38943

Method: 8270C
Preparation: 3520C

Lab Sample ID: 560-16828-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1134
Date Prepared: 08/18/2009 1300

Analysis Batch: 560-38959
Prep Batch: 560-38943
Units: ug/L

Instrument ID: SVGCMS#2
Lab File ID: 08190908.D
Initial Weight/Volume: 1030 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
2,4-Dinitrotoluene	<0.98		97.1	96.4	99	51 - 120	
Diethyl phthalate	<0.51		97.1	96.0	99	41 - 120	
Fluorene	<0.60		97.1	93.1	96	50 - 120	
4-Chlorophenyl phenyl ether	<0.51		97.1	87.1	90	50 - 120	
4-Nitroaniline	<1.4		97.1	97.3	100	36 - 120	
4,6-Dinitro-2-methylphenol	<4.9		97.1	99.1	102	40 - 130	
N-Nitrosodiphenylamine	<0.50		97.1	104	107	48 - 120	
4-Bromophenyl phenyl ether	<0.73		97.1	90.5	93	52 - 120	
Hexachlorobenzene	<0.64		97.1	81.0	83	52 - 120	
Phenanthrene	<0.50		97.1	97.2	100	51 - 120	
Anthracene	<0.49		97.1	90.7	93	54 - 120	
Di-n-butyl phthalate	0.66	J	97.1	89.6	92	54 - 120	
Fluoranthene	<0.49		97.1	83.3	86	54 - 120	
Pyrene	<0.49		97.1	98.4	101	49 - 128	
Butyl benzyl phthalate	<0.98		97.1	93.2	96	46 - 120	
Benzo[a]anthracene	<0.49		97.1	79.1	81	56 - 120	
Chrysene	<0.49		97.1	78.2	81	55 - 120	
Bis(2-ethylhexyl) phthalate	<1.9		97.1	78.4	81	42 - 126	
Di-n-octyl phthalate	<2.0		97.1	76.5	79	37 - 137	
Benzo[b]fluoranthene	<0.49		97.1	80.1	83	45 - 124	
Benzo[k]fluoranthene	<0.49		97.1	82.6	85	45 - 124	
Benzo[a]pyrene	<0.49		97.1	91.9	95	53 - 120	
Indeno[1,2,3-cd]pyrene	<0.49		97.1	78.6	81	43 - 125	
Dibenz(a,h)anthracene	<0.49		97.1	76.4	79	42 - 127	
Benzo[g,h,i]perylene	<0.49		97.1	79.9	82	38 - 123	
3,3'-Dichlorobenzidine	<0.49		146	91.2	63	20 - 120	
Pentachlorophenol	<2.0		97.1	114	118	38 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Method Blank - Batch: 560-38882

Method: 8081B
Preparation: 3520C

Lab Sample ID: MB 560-38882/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1726
Date Prepared: 08/17/2009 1100

Analysis Batch: 560-38963
Prep Batch: 560-38882
Units: ug/L

Instrument ID: SVGC#1
Lab File ID: 08190914.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	<0.0029		0.0029	0.050
4,4'-DDE	<0.0026		0.0026	0.050
4,4'-DDT	<0.0034		0.0034	0.050
Aldrin	<0.0025		0.0025	0.050
alpha-BHC	<0.0056		0.0056	0.050
alpha-Chlordane	<0.0038		0.0038	0.050
beta-BHC	<0.0056		0.0056	0.050
Chlordane (technical)	<0.031		0.031	0.50
delta-BHC	<0.0025		0.0025	0.050
Dieldrin	<0.0083		0.0083	0.050
Endosulfan I	<0.0089		0.0089	0.050
Endosulfan II	<0.0035		0.0035	0.050
Endosulfan sulfate	<0.0039		0.0039	0.050
Endrin	<0.0025		0.0025	0.050
Endrin aldehyde	<0.0044		0.0044	0.050
Endrin ketone	<0.0073		0.0073	0.050
gamma-BHC (Lindane)	<0.0027		0.0027	0.050
gamma-Chlordane	<0.0047		0.0047	0.050
Heptachlor	<0.0059		0.0059	0.050
Heptachlor epoxide	<0.0028		0.0028	0.050
Methoxychlor	<0.023		0.023	0.050
Toxaphene	<0.29		0.29	1.0

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	87	10 - 152
Tetrachloro-m-xylene	88	57 - 127

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 560-38882

Method: 8081B
Preparation: 3520C

LCS Lab Sample ID: LCS 560-38882/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1749
Date Prepared: 08/17/2009 1100

Analysis Batch: 560-38963
Prep Batch: 560-38882
Units: ug/L

Instrument ID: SVGC#1
Lab File ID: 08190916.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 560-38882/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1812
Date Prepared: 08/17/2009 1100

Analysis Batch: 560-38963
Prep Batch: 560-38882
Units: ug/L

Instrument ID: SVGC#1
Lab File ID: 08190918.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qua
4,4'-DDD	107	96	45 - 140	11	30		
4,4'-DDE	104	95	48 - 137	9	30		
4,4'-DDT	106	97	45 - 140	8	30		
Aldrin	94	88	40 - 120	6	30		
alpha-BHC	102	99	60 - 130	2	30		
alpha-Chlordane	103	94	65 - 125	9	30		
beta-BHC	103	98	65 - 125	5	30		
delta-BHC	107	101	45 - 135	6	30		
Dieldrin	106	96	60 - 130	10	30		
Endosulfan I	102	94	50 - 120	8	30		
Endosulfan II	102	93	30 - 130	10	30		
Endosulfan sulfate	102	94	55 - 135	8	30		
Endrin	105	92	55 - 135	14	30		
Endrin aldehyde	99	91	55 - 135	9	30		
Endrin ketone	99	94	73 - 130	5	30		
gamma-BHC (Lindane)	106	103	46 - 136	3	30		
gamma-Chlordane	103	96	60 - 125	7	30		
Heptachlor	97	92	51 - 130	5	30		
Heptachlor epoxide	103	95	60 - 130	8	30		
Methoxychlor	101	91	55 - 150	10	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	88	79	10 - 152
Tetrachloro-m-xylene	72	73	57 - 127

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	79	81	10 - 152
Tetrachloro-m-xylene	85	81	57 - 127

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	84	82	10 - 152
Tetrachloro-m-xylene	87	93	57 - 127

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 560-38882

Method: 8081B
Preparation: 3520C

LCS Lab Sample ID: LCS 560-38882/2-A
Units: ug/L
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1749
Date Prepared: 08/17/2009 1100

LCSD Lab Sample ID: LCSD 560-38882/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1812
Date Prepared: 08/17/2009 1100

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
4,4'-DDD	0.500	0.500	0.537	0.480
4,4'-DDE	0.500	0.500	0.522	0.477
4,4'-DDT	0.500	0.500	0.529	0.487
Aldrin	0.500	0.500	0.471	0.442
alpha-BHC	0.500	0.500	0.509	0.497
alpha-Chlordane	0.500	0.500	0.515	0.472
beta-BHC	0.500	0.500	0.513	0.488
delta-BHC	0.500	0.500	0.534	0.504
Dieldrin	0.500	0.500	0.530	0.480
Endosulfan I	0.500	0.500	0.509	0.470
Endosulfan II	0.500	0.500	0.511	0.463
Endosulfan sulfate	0.500	0.500	0.512	0.472
Endrin	0.500	0.500	0.526	0.458
Endrin aldehyde	0.500	0.500	0.495	0.453
Endrin ketone	0.500	0.500	0.496	0.470
gamma-BHC (Lindane)	0.500	0.500	0.532	0.514
gamma-Chlordane	0.500	0.500	0.513	0.478
Heptachlor	0.500	0.500	0.486	0.461
Heptachlor epoxide	0.500	0.500	0.515	0.474
Methoxychlor	0.500	0.500	0.504	0.454

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Matrix Spike - Batch: 560-38882

Method: 8081B
Preparation: 3520C

Lab Sample ID: 560-16828-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 2208
Date Prepared: 08/17/2009 1100

Analysis Batch: 560-38963
Prep Batch: 560-38882
Units: ug/L

Instrument ID: SVGC#1
Lab File ID: 08190938.D
Initial Weight/Volume: 1030 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	<0.0028	0.485	0.397	82	45 - 140	
4,4'-DDE	<0.0025	0.485	0.265	55	48 - 137	
4,4'-DDT	<0.0033	0.485	0.282	58	45 - 140	
Aldrin	<0.0024	0.485	0.359	74	40 - 120	
alpha-BHC	<0.0054	0.485	0.429	88	60 - 130	
alpha-Chlordane	<0.0037	0.485	0.397	82	65 - 125	
beta-BHC	<0.0054	0.485	0.486	100	65 - 125	
delta-BHC	<0.0024	0.485	0.703	145	45 - 135	F
Dieldrin	<0.0080	0.485	0.460	95	60 - 130	
Endosulfan I	<0.0086	0.485	0.441	91	50 - 120	
Endosulfan II	<0.0034	0.485	0.441	91	30 - 130	
Endosulfan sulfate	<0.0038	0.485	0.469	97	55 - 135	
Endrin	<0.0024	0.485	0.476	98	55 - 135	
Endrin aldehyde	<0.0042	0.485	0.426	88	55 - 135	
Endrin ketone	<0.0070	0.485	0.451	93	73 - 130	
gamma-BHC (Lindane)	<0.0026	0.485	0.493	101	46 - 136	
gamma-Chlordane	<0.0045	0.485	0.403	83	60 - 125	
Heptachlor	<0.0057	0.485	0.425	88	51 - 130	
Heptachlor epoxide	<0.0027	0.485	0.452	93	60 - 130	
Methoxychlor	<0.022	0.485	0.393	81	55 - 150	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Method Blank - Batch: 600-19458

Method: 8151A
Preparation: 8151A

Lab Sample ID: MB 600-19458/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/18/2009 1236
Date Prepared: 08/17/2009 1421

Analysis Batch: 600-19723
Prep Batch: 600-19458
Units: ug/L

Instrument ID: ECD-08
Lab File ID: BH18_004.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.00 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Dalapon	<1.0		1.0	10
Dicamba	<0.010		0.010	0.20
Dichlorprop	<0.030		0.030	0.20
2,4-D	<0.040		0.040	0.20
Silvex (2,4,5-TP)	<0.020		0.020	0.20
2,4,5-T	<0.020		0.020	0.20
2,4-DB	<0.050		0.050	0.20
Dinoseb	<0.020		0.020	0.20

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid (Surr)	84	10 - 125.2

Method Blank - Batch: 600-19458

Method: 8151A
Preparation: 8151A

Lab Sample ID: MB 600-19458/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1131
Date Prepared: 08/17/2009 1421

Analysis Batch: 600-19668
Prep Batch: 600-19458
Units: ug/L

Instrument ID: ECD-08
Lab File ID: BH19_004.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.00 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Dalapon	<1.0		1.0	10
Dicamba	<0.010		0.010	0.20
MCPP	<2.6		2.6	20
MCPA	<5.8		5.8	20
Dichlorprop	<0.030		0.030	0.20
2,4-D	<0.040		0.040	0.20
Silvex (2,4,5-TP)	<0.020		0.020	0.20
2,4,5-T	<0.020		0.020	0.20
2,4-DB	<0.050		0.050	0.20
Dinoseb	<0.020		0.020	0.20

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid (Surr)	84	10 - 125.2

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 600-19458

Method: 8151A
Preparation: 8151A

LCS Lab Sample ID: LCS 600-19458/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/18/2009 1304
Date Prepared: 08/17/2009 1421

Analysis Batch: 600-19723
Prep Batch: 600-19458
Units: ug/L

Instrument ID: ECD-08
Lab File ID: BH18_005.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.00 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 600-19458/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/18/2009 1332
Date Prepared: 08/17/2009 1421

Analysis Batch: 600-19723
Prep Batch: 600-19458
Units: ug/L

Instrument ID: ECD-08
Lab File ID: BH18_006.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.00 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qua
Dalapon	8	7	5 - 137	24	20		*
Dicamba	50	48	14 - 117	3	20		
Dichlorprop	84	84	33 - 106	0	20		
2,4-D	81	79	39 - 121	3	20		
Silvex (2,4,5-TP)	84	84	39 - 150	0	20		
2,4,5-T	79	77	37 - 128	2	20		
2,4-DB	93	90	32 - 141	3	20		
Dinoseb	67	64	0 - 126	4	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid (Surr)	89	86	10 - 125.2

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 600-19458

Method: 8151A
Preparation: 8151A

LCS Lab Sample ID: LCS 600-19458/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1159
Date Prepared: 08/17/2009 1421

Analysis Batch: 600-19668
Prep Batch: 600-19458
Units: ug/L

Instrument ID: ECD-08
Lab File ID: BH19_005.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.00 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 600-19458/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1227
Date Prepared: 08/17/2009 1421

Analysis Batch: 600-19668
Prep Batch: 600-19458
Units: ug/L

Instrument ID: ECD-08
Lab File ID: BH19_006.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.00 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qua
Dalapon	10	8	5 - 137	21	20		*
Dicamba	49	49	14 - 117	1	20		
MCPP	65	67	10 - 111	32	20		*
MCPA	63	67	33 - 118	6	20		
Dichlorprop	86	90	33 - 106	4	20		
2,4-D	80	82	39 - 121	2	20		
Silvex (2,4,5-TP)	81	85	39 - 150	5	20		
2,4,5-T	75	77	37 - 128	2	20		
2,4-DB	87	89	32 - 141	2	20		
Dinoseb	51	53	0 - 126	4	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid (Surr)	90	89	10 - 125.2

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 600-19458

Method: 8151A
Preparation: 8151A

LCS Lab Sample ID: LCS 600-19458/2-A
Units: ug/L
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/18/2009 1304
Date Prepared: 08/17/2009 1421

LCSD Lab Sample ID: LCSD 600-19458/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/18/2009 1332
Date Prepared: 08/17/2009 1421

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual	
Dalapon	3.00	3.00	<1.0	<1.0	*
Dicamba	0.600	0.600	0.298	0.290	
Dichlorprop	0.600	0.600	0.506	0.505	
2,4-D	0.600	0.600	0.487	0.473	
Silvex (2,4,5-TP)	0.600	0.600	0.505	0.503	
2,4,5-T	0.600	0.600	0.471	0.461	
2,4-DB	0.600	0.600	0.560	0.542	
Dinoseb	0.600	0.600	0.400	0.386	

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 600-19458

Method: 8151A
Preparation: 8151A

LCS Lab Sample ID: LCS 600-19458/2-A
Units: ug/L
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1159
Date Prepared: 08/17/2009 1421

LCSD Lab Sample ID: LCSD 600-19458/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1227
Date Prepared: 08/17/2009 1421

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual	
Dalapon	3.00	3.00	<1.0	<1.0	*
Dicamba	0.600	0.600	0.295	0.292	
MCPP	60.0	60.0	38.9	39.9	*
MCPA	60.0	60.0	37.9	40.4	
Dichlorprop	0.600	0.600	0.514	0.537	
2,4-D	0.600	0.600	0.482	0.493	
Silvex (2,4,5-TP)	0.600	0.600	0.486	0.509	
2,4,5-T	0.600	0.600	0.451	0.462	
2,4-DB	0.600	0.600	0.523	0.535	
Dinoseb	0.600	0.600	0.306	0.319	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Matrix Spike - Batch: 600-19458

Method: 8151A
Preparation: 8151A

Lab Sample ID: 560-16828-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/18/2009 1814
Date Prepared: 08/17/2009 1421

Analysis Batch: 600-19723
Prep Batch: 600-19458
Units: ug/L

Instrument ID: ECD-08
Lab File ID: BH18_016.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.00 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Dalapon	<1.0	3.00	<1.0	11	12 - 127	F
Dicamba	<0.010	0.600	0.463	77	0 - 129	
Dichlorprop	<0.030	0.600	0.483	81	25 - 113	
2,4-D	<0.040	0.600	0.495	82	41 - 124	
Silvex (2,4,5-TP)	<0.020	0.600	0.507	84	47 - 119	
2,4,5-T	<0.020	0.600	0.487	81	44 - 139	
2,4-DB	<0.050	0.600	0.520	87	13 - 165	
Dinoseb	<0.020	0.600	0.389	65	0 - 159	

Matrix Spike - Batch: 600-19458

Method: 8151A
Preparation: 8151A

Lab Sample ID: 560-16828-1
Client Matrix: Water
Dilution: 10
Date Analyzed: 08/19/2009 1723
Date Prepared: 08/17/2009 1421

Analysis Batch: 600-19668
Prep Batch: 600-19458
Units: ug/L

Instrument ID: ECD-08
Lab File ID: BH19_015.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.00 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
MCPP	<26	60.0	71.7	120	50 - 150	J p
MCPA	<58	60.0	75.3	126	50 - 150	J p

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Method Blank - Batch: 560-38949

Method: TX 1005
Preparation: TX_1005_W_Prep

Lab Sample ID: MB 560-38949/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 2106
Date Prepared: 08/18/2009 1450

Analysis Batch: 560-39096
Prep Batch: 560-38949
Units: mg/L

Instrument ID: SVGC#4
Lab File ID: 08200986.D
Initial Weight/Volume: 30 mL
Final Weight/Volume: 3 mL
Injection Volume:

Analyte	Result	Qual	MDL	RL
Over C12-C28	<0.47		0.47	5.0
Over C28-C35	<0.47		0.47	5.0
C6-C12	<0.47		0.47	5.0
C6-C35	<0.47		0.47	5.0

Surrogate	% Rec	Acceptance Limits
o-Terphenyl (Surr)	93	70 - 130
1-Chlorooctane (Surr)	85	70 - 130

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 560-38949

Method: TX 1005
Preparation: TX_1005_W_Prep

LCS Lab Sample ID: LCS 560-38949/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 2115
Date Prepared: 08/18/2009 1450

Analysis Batch: 560-39096
Prep Batch: 560-38949
Units: mg/L

Instrument ID: SVGC#4
Lab File ID: 08200987.D
Initial Weight/Volume: 30 mL
Final Weight/Volume: 3 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 560-38949/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 2124
Date Prepared: 08/18/2009 1450

Analysis Batch: 560-39096
Prep Batch: 560-38949
Units: mg/L

Instrument ID: SVGC#4
Lab File ID: 08200988.D
Initial Weight/Volume: 30 mL
Final Weight/Volume: 3 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qua
C6-C35	82	90	75 - 125	9	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl (Surr)	82	93	70 - 130
1-Chlorooctane (Surr)	77	86	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 560-38949

Method: TX 1005
Preparation: TX_1005_W_Prep

LCS Lab Sample ID: LCS 560-38949/2-A
Units: mg/L
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 2115
Date Prepared: 08/18/2009 1450

LCSD Lab Sample ID: LCSD 560-38949/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 2124
Date Prepared: 08/18/2009 1450

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
C6-C35	33.3	33.3	27.2	29.9

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 560-38949

Method: TX 1005
Preparation: TX_1005_W_Prep

MS Lab Sample ID: 560-16828-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 2141
Date Prepared: 08/18/2009 1450

Analysis Batch: 560-39096
Prep Batch: 560-38949

Instrument ID: SVGC#4
Lab File ID: 08200990.D
Initial Weight/Volume: 32.51 mL
Final Weight/Volume: 3 mL
Injection Volume:

MSD Lab Sample ID: 560-16828-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 2149
Date Prepared: 08/18/2009 1450

Analysis Batch: 560-39096
Prep Batch: 560-38949

Instrument ID: SVGC#4
Lab File ID: 08200991.D
Initial Weight/Volume: 32.84 mL
Final Weight/Volume: 3 mL
Injection Volume:

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
C6-C35	85	80	75 - 125	7	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
o-Terphenyl (Surr)	90	89	70 - 130
1-Chlorooctane (Surr)	84	83	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 560-38949

Method: TX 1005
Preparation: TX_1005_W_Prep

MS Lab Sample ID: 560-16828-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 2141
Date Prepared: 08/18/2009 1450

Units: mg/L

MSD Lab Sample ID: 560-16828-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 2149
Date Prepared: 08/18/2009 1450

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
C6-C35	0.44	J	30.8	30.5	26.7	24.9

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Method Blank - Batch: 560-38884

Method: 6020
Preparation: 3010A

Lab Sample ID: MB 560-38884/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2009 1458
Date Prepared: 08/17/2009 0830

Analysis Batch: 560-38922
Prep Batch: 560-38884
Units: mg/L

Instrument ID: Agilent ICPMS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Silver	<0.00094		0.00094	0.0050
Arsenic	<0.0015		0.0015	0.0050
Barium	<0.0012		0.0012	0.0050
Cadmium	<0.00085		0.00085	0.0025
Chromium	<0.0014		0.0014	0.0050
Lead	<0.0020		0.0020	0.0050
Selenium	<0.0011		0.0011	0.0050

Lab Control Sample - Batch: 560-38884

Method: 6020
Preparation: 3010A

Lab Sample ID: LCS 560-38884/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2009 1503
Date Prepared: 08/17/2009 0830

Analysis Batch: 560-38922
Prep Batch: 560-38884
Units: mg/L

Instrument ID: Agilent ICPMS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	0.400	0.344	86	80 - 120	
Arsenic	0.400	0.386	97	80 - 120	
Barium	0.400	0.378	94	80 - 120	
Cadmium	0.400	0.377	94	80 - 120	
Chromium	0.400	0.390	98	80 - 120	
Lead	0.400	0.382	95	80 - 120	
Selenium	0.400	0.386	97	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 560-38884

Method: 6020
Preparation: 3010A

MS Lab Sample ID: 560-16828-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2009 1536
Date Prepared: 08/17/2009 0830

Analysis Batch: 560-38922
Prep Batch: 560-38884

Instrument ID: Agilent ICPMS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 560-16828-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2009 1542
Date Prepared: 08/17/2009 0830

Analysis Batch: 560-38922
Prep Batch: 560-38884

Instrument ID: Agilent ICPMS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Silver	74	76	80 - 120	3	20	F	F
Arsenic	79	81	80 - 120	2	20	F	
Barium	80	84	80 - 120	4	20		
Cadmium	74	77	80 - 120	3	20	F	F
Chromium	79	79	80 - 120	1	20	F	F
Lead	81	85	80 - 120	5	20		
Selenium	71	74	80 - 120	4	20	F	F

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 560-38884

Method: 6020
Preparation: 3010A

MS Lab Sample ID: 560-16828-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2009 1536
Date Prepared: 08/17/2009 0830

Units: mg/L

MSD Lab Sample ID: 560-16828-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2009 1542
Date Prepared: 08/17/2009 0830

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Silver	0.0012	0.400	0.400	0.297	F	0.305	F
Arsenic	0.0038	0.400	0.400	0.320	F	0.327	
Barium	0.028	0.400	0.400	0.350		0.363	
Cadmium	<0.00085	0.400	0.400	0.298	F	0.308	F
Chromium	0.0018	0.400	0.400	0.316	F	0.319	F
Lead	0.0022	0.400	0.400	0.327		0.344	
Selenium	<0.0011	0.400	0.400	0.284	F	0.296	F

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Method Blank - Batch: 560-38931

Method: 6020
Preparation: 3010A

Lab Sample ID: MB 560-38931/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/18/2009 1749
Date Prepared: 08/18/2009 0830

Analysis Batch: 560-38968
Prep Batch: 560-38931
Units: mg/L

Instrument ID: Agilent ICPMS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Silver	<0.00094		0.00094	0.0050
Arsenic	<0.0015		0.0015	0.0050
Barium	<0.0012		0.0012	0.0050
Cadmium	<0.00085		0.00085	0.0025
Chromium	<0.0014		0.0014	0.0050
Lead	<0.0020		0.0020	0.0050
Selenium	<0.0011		0.0011	0.0050

Lab Control Sample - Batch: 560-38931

Method: 6020
Preparation: 3010A

Lab Sample ID: LCS 560-38931/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/18/2009 1754
Date Prepared: 08/18/2009 0830

Analysis Batch: 560-38968
Prep Batch: 560-38931
Units: mg/L

Instrument ID: Agilent ICPMS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	0.400	0.352	88	80 - 120	
Arsenic	0.400	0.366	92	80 - 120	
Barium	0.400	0.355	89	80 - 120	
Cadmium	0.400	0.343	86	80 - 120	
Chromium	0.400	0.359	90	80 - 120	
Lead	0.400	0.360	90	80 - 120	
Selenium	0.400	0.334	84	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Method Blank - Batch: 560-39032

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 560-39032/4-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1708
Date Prepared: 08/19/2009 1000

Analysis Batch: 560-39023
Prep Batch: 560-39032
Units: mg/L

Instrument ID: Mercury Analyzer Leeman -
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	<0.00013		0.00013	0.0020

Lab Control Sample - Batch: 560-39032

Method: 7470A
Preparation: 7470A

Lab Sample ID: LCS 560-39032/5-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1710
Date Prepared: 08/19/2009 1000

Analysis Batch: 560-39023
Prep Batch: 560-39032
Units: mg/L

Instrument ID: Mercury Analyzer Leeman
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00500	0.00525	105	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 560-39032

Method: 7470A
Preparation: 7470A

MS Lab Sample ID: 560-16828-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1731
Date Prepared: 08/19/2009 1000

Analysis Batch: 560-39023
Prep Batch: 560-39032

Instrument ID: Mercury Analyzer Leeman
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 560-16828-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1734
Date Prepared: 08/19/2009 1000

Analysis Batch: 560-39023
Prep Batch: 560-39032

Instrument ID: Mercury Analyzer Leeman
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	78	69	80 - 120	12	20	F	F

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 560-39032

Method: 7470A
Preparation: 7470A

MS Lab Sample ID: 560-16828-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1731
Date Prepared: 08/19/2009 1000

Units: mg/L

MSD Lab Sample ID: 560-16828-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1734
Date Prepared: 08/19/2009 1000

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	<0.00013	0.00500	0.00500	0.00388 F	0.00343 F

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Method Blank - Batch: 560-39172

Method: 415.1
Preparation: N/A

Lab Sample ID: MB 560-39172/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/24/2009 1129
Date Prepared: N/A

Analysis Batch: 560-39172
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	0.590	J	0.28	1.0

Lab Control Sample - Batch: 560-39172

Method: 415.1
Preparation: N/A

Lab Sample ID: LCS 560-39172/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/24/2009 1129
Date Prepared: N/A

Analysis Batch: 560-39172
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	100	106	106	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Lab Control Sample - Batch: 560-39020

Method: 9040C
Preparation: N/A

Lab Sample ID: LCS 560-39020/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/14/2009 0900
Date Prepared: N/A

Analysis Batch: 560-39020
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 20 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
pH	4.99	5.01	100	98 - 102	

Duplicate - Batch: 560-39020

Method: 9040C
Preparation: N/A

Lab Sample ID: 560-16828-7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/14/2009 1400
Date Prepared: N/A

Analysis Batch: 560-39020
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 20 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	6.2	6.25	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16828-1

Laboratory Chronicle

Lab ID: 560-16828-1 **Client ID: LF-GW-B9**

Sample Date/Time: 08/12/2009 17:05 Received Date/Time: 08/14/2009 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	560-16828-A-1		560-38897		08/17/2009 18:28	1	TAL CC	SG
A:8260B	560-16828-A-1		560-38897		08/17/2009 18:28	1	TAL CC	SG
P:3520C	560-16828-I-1-B		560-38959	560-38943	08/18/2009 13:00	1	TAL CC	AY
A:8270C	560-16828-I-1-B		560-38959	560-38943	08/19/2009 12:49	1	TAL CC	GEF
P:3520C	560-16828-H-1-A		560-38963	560-38882	08/17/2009 11:00	1	TAL CC	LPM
A:8081B	560-16828-H-1-A		560-38963	560-38882	08/19/2009 21:44	1	TAL CC	RH
P:8151A	560-16828-J-1-A		600-19723	600-19458	08/17/2009 14:21	1	TAL HOU	SMB
A:8151A	560-16828-J-1-A		600-19723	600-19458	08/18/2009 17:45	1	TAL HOU	MAZ
P:8151A	560-16828-J-1-A		600-19668	600-19458	08/17/2009 14:21	10	TAL HOU	SMB
A:8151A	560-16828-J-1-A		600-19668	600-19458	08/19/2009 16:54	10	TAL HOU	KP
P:TX_1005_W_Prep	560-16828-E-1-A		560-39096	560-38949	08/18/2009 14:50	1	TAL CC	BM
A:TX 1005	560-16828-E-1-A		560-39096	560-38949	08/20/2009 21:32	1	TAL CC	SR
P:3010A	560-16828-A-1-A		560-38922	560-38884	08/17/2009 08:30	1	TAL CC	SRF
A:6020	560-16828-A-1-A		560-38922	560-38884	08/17/2009 15:14	1	TAL CC	JEM
P:7470A	560-16828-A-1-D		560-39023	560-39032	08/19/2009 10:00	1	TAL CC	JEM
A:7470A	560-16828-A-1-D		560-39023	560-39032	08/19/2009 17:29	1	TAL CC	JEM

Lab ID: 560-16828-1 **Client ID: LF-GW-B9**

Sample Date/Time: 08/12/2009 17:05 Received Date/Time: 08/14/2009 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	560-16828-B-1 MS		560-38897		08/17/2009 16:00	1	TAL CC	SG
A:8260B	560-16828-B-1 MS		560-38897		08/17/2009 16:00	1	TAL CC	SG
P:3520C	560-16828-H-1-C MS		560-38959	560-38943	08/18/2009 13:00	1	TAL CC	AY
A:8270C	560-16828-H-1-C MS		560-38959	560-38943	08/19/2009 11:34	1	TAL CC	GEF
P:3520C	560-16828-I-1-C MS		560-38963	560-38882	08/17/2009 11:00	1	TAL CC	LPM
A:8081B	560-16828-I-1-C MS		560-38963	560-38882	08/19/2009 22:08	1	TAL CC	RH
P:8151A	560-16828-J-1-B MS		600-19723	600-19458	08/17/2009 14:21	1	TAL HOU	SMB
A:8151A	560-16828-J-1-B MS		600-19723	600-19458	08/18/2009 18:14	1	TAL HOU	MAZ
P:8151A	560-16828-J-1-B MS		600-19668	600-19458	08/17/2009 14:21	10	TAL HOU	SMB
A:8151A	560-16828-J-1-B MS		600-19668	600-19458	08/19/2009 17:23	10	TAL HOU	KP
P:TX_1005_W_Prep	560-16828-E-1-B MS		560-39096	560-38949	08/18/2009 14:50	1	TAL CC	BM
A:TX 1005	560-16828-E-1-B MS		560-39096	560-38949	08/20/2009 21:41	1	TAL CC	SR
P:3010A	560-16828-A-1-B MS		560-38922	560-38884	08/17/2009 08:30	1	TAL CC	SRF
A:6020	560-16828-A-1-B MS		560-38922	560-38884	08/17/2009 15:36	1	TAL CC	JEM
P:7470A	560-16828-A-1-E MS		560-39023	560-39032	08/19/2009 10:00	1	TAL CC	JEM
A:7470A	560-16828-A-1-E MS		560-39023	560-39032	08/19/2009 17:31	1	TAL CC	JEM

Client: ARGO Systems LLC

Job Number: 560-16828-1

Laboratory Chronicle

Lab ID: 560-16828-1 **Client ID: LF-GW-B9**

Sample Date/Time: 08/12/2009 17:05 Received Date/Time: 08/14/2009 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	560-16828-B-1 MSD		560-38897		08/17/2009 16:25	1	TAL CC	SG
A:8260B	560-16828-B-1 MSD		560-38897		08/17/2009 16:25	1	TAL CC	SG
P:TX_1005_W_Prep	560-16828-E-1-C MSD		560-39096	560-38949	08/18/2009 14:50	1	TAL CC	BM
A:TX 1005	560-16828-E-1-C MSD		560-39096	560-38949	08/20/2009 21:49	1	TAL CC	SR
P:3010A	560-16828-A-1-C MSD		560-38922	560-38884	08/17/2009 08:30	1	TAL CC	SRF
A:6020	560-16828-A-1-C MSD		560-38922	560-38884	08/17/2009 15:42	1	TAL CC	JEM
P:7470A	560-16828-A-1-F MSD		560-39023	560-39032	08/19/2009 10:00	1	TAL CC	JEM
A:7470A	560-16828-A-1-F MSD		560-39023	560-39032	08/19/2009 17:34	1	TAL CC	JEM

Lab ID: 560-16828-2 **Client ID: LF-GW-G4**

Sample Date/Time: 08/12/2009 18:00 Received Date/Time: 08/14/2009 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	560-16828-B-2		560-38897		08/17/2009 18:52	1	TAL CC	SG
A:8260B	560-16828-B-2		560-38897		08/17/2009 18:52	1	TAL CC	SG
P:3520C	560-16828-I-2-A		560-38959	560-38943	08/18/2009 13:00	1	TAL CC	AY
A:8270C	560-16828-I-2-A		560-38959	560-38943	08/19/2009 15:20	1	TAL CC	GEF
P:3520C	560-16828-H-2-A		560-38963	560-38882	08/17/2009 11:00	1	TAL CC	LPM
A:8081B	560-16828-H-2-A		560-38963	560-38882	08/19/2009 22:31	1	TAL CC	RH
P:8151A	560-16828-J-2-A		600-19723	600-19458	08/17/2009 14:21	1	TAL HOU	SMB
A:8151A	560-16828-J-2-A		600-19723	600-19458	08/18/2009 18:42	1	TAL HOU	MAZ
P:8151A	560-16828-J-2-A		600-19668	600-19458	08/17/2009 14:21	10	TAL HOU	SMB
A:8151A	560-16828-J-2-A		600-19668	600-19458	08/19/2009 17:50	10	TAL HOU	KP
P:TX_1005_W_Prep	560-16828-D-2-A		560-39096	560-38949	08/18/2009 14:50	1	TAL CC	BM
A:TX 1005	560-16828-D-2-A		560-39096	560-38949	08/20/2009 21:58	1	TAL CC	SR
P:3010A	560-16828-A-2-A		560-38968	560-38931	08/18/2009 08:30	1	TAL CC	SRF
A:6020	560-16828-A-2-A		560-38968	560-38931	08/18/2009 18:23	1	TAL CC	JEM
P:7470A	560-16828-A-2-B		560-39023	560-39032	08/19/2009 10:00	1	TAL CC	JEM
A:7470A	560-16828-A-2-B		560-39023	560-39032	08/19/2009 17:38	1	TAL CC	JEM

Client: ARGO Systems LLC

Job Number: 560-16828-1

Laboratory Chronicle

Lab ID: 560-16828-3 **Client ID: LF-GW-G2**

Sample Date/Time: 08/13/2009 08:40 Received Date/Time: 08/14/2009 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	560-16828-G-3		560-38897		08/17/2009 19:17	1	TAL CC	SG
A:8260B	560-16828-G-3		560-38897		08/17/2009 19:17	1	TAL CC	SG
P:3520C	560-16828-H-3-A		560-38959	560-38943	08/18/2009 13:00	1	TAL CC	AY
A:8270C	560-16828-H-3-A		560-38959	560-38943	08/19/2009 15:45	1	TAL CC	GEF
P:3520C	560-16828-I-3-A		560-38963	560-38882	08/17/2009 11:00	1	TAL CC	LPM
A:8081B	560-16828-I-3-A		560-38963	560-38882	08/19/2009 22:55	1	TAL CC	RH
P:8151A	560-16828-J-3-A		600-19723	600-19458	08/17/2009 14:21	1	TAL HOU	SMB
A:8151A	560-16828-J-3-A		600-19723	600-19458	08/18/2009 19:10	1	TAL HOU	MAZ
P:8151A	560-16828-J-3-A		600-19668	600-19458	08/17/2009 14:21	10	TAL HOU	SMB
A:8151A	560-16828-J-3-A		600-19668	600-19458	08/19/2009 18:18	10	TAL HOU	KP
P:TX_1005_W_Prep	560-16828-D-3-A		560-39096	560-38949	08/18/2009 14:50	1	TAL CC	BM
A:TX 1005	560-16828-D-3-A		560-39096	560-38949	08/20/2009 22:07	1	TAL CC	SR
P:3010A	560-16828-A-3-A		560-38968	560-38931	08/18/2009 08:30	1	TAL CC	SRF
A:6020	560-16828-A-3-A		560-38968	560-38931	08/18/2009 18:30	1	TAL CC	JEM
P:7470A	560-16828-A-3-B		560-39023	560-39032	08/19/2009 10:00	1	TAL CC	JEM
A:7470A	560-16828-A-3-B		560-39023	560-39032	08/19/2009 17:40	1	TAL CC	JEM

Lab ID: 560-16828-4 **Client ID: LF-GW-RB**

Sample Date/Time: 08/13/2009 09:30 Received Date/Time: 08/14/2009 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	560-16828-A-4		560-38897		08/17/2009 19:42	1	TAL CC	SG
A:8260B	560-16828-A-4		560-38897		08/17/2009 19:42	1	TAL CC	SG
P:3520C	560-16828-H-4-A		560-38959	560-38943	08/18/2009 13:00	1	TAL CC	AY
A:8270C	560-16828-H-4-A		560-38959	560-38943	08/19/2009 16:10	1	TAL CC	GEF
P:3520C	560-16828-I-4-A		560-38963	560-38882	08/17/2009 11:00	1	TAL CC	LPM
A:8081B	560-16828-I-4-A		560-38963	560-38882	08/19/2009 23:18	1	TAL CC	RH
P:8151A	560-16828-J-4-A		600-19723	600-19458	08/17/2009 14:21	1	TAL HOU	SMB
A:8151A	560-16828-J-4-A		600-19723	600-19458	08/18/2009 19:38	1	TAL HOU	MAZ
P:8151A	560-16828-J-4-A		600-19668	600-19458	08/17/2009 14:21	10	TAL HOU	SMB
A:8151A	560-16828-J-4-A		600-19668	600-19458	08/19/2009 18:46	10	TAL HOU	KP
P:TX_1005_W_Prep	560-16828-D-4-A		560-39096	560-38949	08/18/2009 14:50	1	TAL CC	BM
A:TX 1005	560-16828-D-4-A		560-39096	560-38949	08/20/2009 22:15	1	TAL CC	SR
P:3010A	560-16828-A-4-A		560-38922	560-38884	08/17/2009 08:30	1	TAL CC	SRF
A:6020	560-16828-A-4-A		560-38922	560-38884	08/17/2009 15:49	1	TAL CC	JEM
P:7470A	560-16828-A-4-B		560-39023	560-39032	08/19/2009 10:00	1	TAL CC	JEM
A:7470A	560-16828-A-4-B		560-39023	560-39032	08/19/2009 17:43	1	TAL CC	JEM

Client: ARGO Systems LLC

Job Number: 560-16828-1

Laboratory Chronicle

Lab ID: 560-16828-5 **Client ID: LF-GW-FB**

Sample Date/Time: 08/13/2009 09:45 Received Date/Time: 08/14/2009 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	560-16828-A-5		560-38897		08/17/2009 20:06	1	TAL CC	SG
A:8260B	560-16828-A-5		560-38897		08/17/2009 20:06	1	TAL CC	SG
P:3520C	560-16828-H-5-A		560-38959	560-38943	08/18/2009 13:00	1	TAL CC	AY
A:8270C	560-16828-H-5-A		560-38959	560-38943	08/19/2009 16:35	1	TAL CC	GEF
P:3520C	560-16828-I-5-A		560-38963	560-38882	08/17/2009 11:00	1	TAL CC	LPM
A:8081B	560-16828-I-5-A		560-38963	560-38882	08/19/2009 23:42	1	TAL CC	RH
P:8151A	560-16828-J-5-A		600-19723	600-19458	08/17/2009 14:21	1	TAL HOU	SMB
A:8151A	560-16828-J-5-A		600-19723	600-19458	08/18/2009 20:06	1	TAL HOU	MAZ
P:8151A	560-16828-J-5-A		600-19668	600-19458	08/17/2009 14:21	10	TAL HOU	SMB
A:8151A	560-16828-J-5-A		600-19668	600-19458	08/19/2009 20:10	10	TAL HOU	KP
P:TX_1005_W_Prep	560-16828-D-5-A		560-39096	560-38949	08/18/2009 14:50	1	TAL CC	BM
A:TX 1005	560-16828-D-5-A		560-39096	560-38949	08/20/2009 22:24	1	TAL CC	SR
P:3010A	560-16828-A-5-A		560-38922	560-38884	08/17/2009 08:30	1	TAL CC	SRF
A:6020	560-16828-A-5-A		560-38922	560-38884	08/17/2009 15:54	1	TAL CC	JEM
P:7470A	560-16828-A-5-B		560-39023	560-39032	08/19/2009 10:00	1	TAL CC	JEM
A:7470A	560-16828-A-5-B		560-39023	560-39032	08/19/2009 17:52	1	TAL CC	JEM

Lab ID: 560-16828-6 **Client ID: LF-GW-G1**

Sample Date/Time: 08/13/2009 09:40 Received Date/Time: 08/14/2009 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	560-16828-A-6		560-38897		08/17/2009 20:31	1	TAL CC	SG
A:8260B	560-16828-A-6		560-38897		08/17/2009 20:31	1	TAL CC	SG
P:TX_1005_W_Prep	560-16828-F-6-A		560-39096	560-38949	08/18/2009 14:50	1	TAL CC	BM
A:TX 1005	560-16828-F-6-A		560-39096	560-38949	08/20/2009 22:49	1	TAL CC	SR
P:3010A	560-16828-A-6-A		560-38968	560-38931	08/18/2009 08:30	1	TAL CC	SRF
A:6020	560-16828-A-6-A		560-38968	560-38931	08/18/2009 18:37	1	TAL CC	JEM
P:7470A	560-16828-A-6-B		560-39023	560-39032	08/19/2009 10:00	1	TAL CC	JEM
A:7470A	560-16828-A-6-B		560-39023	560-39032	08/19/2009 17:55	1	TAL CC	JEM

Client: ARGO Systems LLC

Job Number: 560-16828-1

Laboratory Chronicle

Lab ID: 560-16828-7 **Client ID: LF-LEC-G3**

Sample Date/Time: 08/13/2009 15:30 Received Date/Time: 08/14/2009 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	560-16828-A-7		560-38897		08/17/2009 20:56	1	TAL CC	SG
A:8260B	560-16828-A-7		560-38897		08/17/2009 20:56	1	TAL CC	SG
P:3520C	560-16828-I-7-A		560-38959	560-38943	08/18/2009 13:00	1	TAL CC	AY
A:8270C	560-16828-I-7-A		560-38959	560-38943	08/19/2009 17:00	1	TAL CC	GEF
P:3520C	560-16828-H-7-A		560-38963	560-38882	08/17/2009 11:00	1	TAL CC	LPM
A:8081B	560-16828-H-7-A		560-38963	560-38882	08/20/2009 00:05	1	TAL CC	RH
P:8151A	560-16828-J-7-A		600-19668	600-19458	08/17/2009 14:21	10	TAL HOU	SMB
A:8151A	560-16828-J-7-A		600-19668	600-19458	08/19/2009 20:39	10	TAL HOU	KP
P:TX_1005_W_Prep	560-16828-F-7-A		560-39096	560-38949	08/18/2009 14:50	1	TAL CC	BM
A:TX 1005	560-16828-F-7-A		560-39096	560-38949	08/20/2009 22:58	1	TAL CC	SR
P:3010A	560-16828-A-7-A		560-38968	560-38931	08/18/2009 08:30	1	TAL CC	SRF
A:6020	560-16828-A-7-A		560-38968	560-38931	08/18/2009 19:00	1	TAL CC	JEM
P:3010A	560-16828-A-7-A		560-39099	560-38931	08/18/2009 08:30	5	TAL CC	SRF
A:6020	560-16828-A-7-A		560-39099	560-38931	08/21/2009 18:59	5	TAL CC	EDR
P:7470A	560-16828-A-7-B		560-39023	560-39032	08/19/2009 10:00	1	TAL CC	JEM
A:7470A	560-16828-A-7-B		560-39023	560-39032	08/19/2009 17:57	1	TAL CC	JEM
A:415.1	560-16828-A-7		560-39172		08/24/2009 11:29	4	TAL CC	AH
A:9040C	560-16828-A-7		560-39020		08/14/2009 14:00	1	TAL CC	SG

Lab ID: 560-16828-7 DU **Client ID: LF-LEC-G3**

Sample Date/Time: 08/13/2009 15:30 Received Date/Time: 08/14/2009 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9040C	560-16828-A-7 DU		560-39020		08/14/2009 14:00	1	TAL CC	SG

Lab ID: 560-16828-8 **Client ID: Trip Blank**

Sample Date/Time: 08/12/2009 08:30 Received Date/Time: 08/14/2009 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	560-16828-A-8		560-38897		08/17/2009 21:20	1	TAL CC	SG
A:8260B	560-16828-A-8		560-38897		08/17/2009 21:20	1	TAL CC	SG

Client: ARGO Systems LLC

Job Number: 560-16828-1

Laboratory Chronicle

Lab ID: MB **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 560-38897/8		560-38897		08/17/2009 17:38	1	TAL CC	SG
A:8260B	MB 560-38897/8		560-38897		08/17/2009 17:38	1	TAL CC	SG
P:3520C	MB 560-38943/1-A		560-38959	560-38943	08/18/2009 13:00	1	TAL CC	AY
A:8270C	MB 560-38943/1-A		560-38959	560-38943	08/19/2009 10:19	1	TAL CC	GEF
P:3520C	MB 560-38882/1-A		560-38963	560-38882	08/17/2009 11:00	1	TAL CC	LPM
A:8081B	MB 560-38882/1-A		560-38963	560-38882	08/19/2009 17:26	1	TAL CC	RH
P:8151A	MB 600-19458/1-A		600-19723	600-19458	08/17/2009 14:21	1	TAL HOU	SMB
A:8151A	MB 600-19458/1-A		600-19723	600-19458	08/18/2009 12:36	1	TAL HOU	MAZ
P:8151A	MB 600-19458/1-A		600-19668	600-19458	08/17/2009 14:21	1	TAL HOU	SMB
A:8151A	MB 600-19458/1-A		600-19668	600-19458	08/19/2009 11:31	1	TAL HOU	KP
P:TX_1005_W_Prep	MB 560-38949/1-A		560-39096	560-38949	08/18/2009 14:50	1	TAL CC	BM
A:TX 1005	MB 560-38949/1-A		560-39096	560-38949	08/20/2009 21:06	1	TAL CC	SR
P:3010A	MB 560-38884/1-A		560-38922	560-38884	08/17/2009 08:30	1	TAL CC	SRF
A:6020	MB 560-38884/1-A		560-38922	560-38884	08/17/2009 14:58	1	TAL CC	JEM
P:3010A	MB 560-38931/1-A		560-38968	560-38931	08/18/2009 08:30	1	TAL CC	SRF
A:6020	MB 560-38931/1-A		560-38968	560-38931	08/18/2009 17:49	1	TAL CC	JEM
P:7470A	MB 560-39032/4-A		560-39023	560-39032	08/19/2009 10:00	1	TAL CC	JEM
A:7470A	MB 560-39032/4-A		560-39023	560-39032	08/19/2009 17:08	1	TAL CC	JEM
A:415.1	MB 560-39172/3		560-39172		08/24/2009 11:29	1	TAL CC	AH

Client: ARGO Systems LLC

Job Number: 560-16828-1

Laboratory Chronicle

Lab ID: LCS **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 560-38897/3		560-38897		08/17/2009 15:35	1	TAL CC	SG
A:8260B	LCS 560-38897/3		560-38897		08/17/2009 15:35	1	TAL CC	SG
P:3520C	LCS 560-38943/2-A		560-38959	560-38943	08/18/2009 13:00	1	TAL CC	AY
A:8270C	LCS 560-38943/2-A		560-38959	560-38943	08/19/2009 10:44	1	TAL CC	GEF
P:3520C	LCS 560-38882/2-A		560-38963	560-38882	08/17/2009 11:00	1	TAL CC	LPM
A:8081B	LCS 560-38882/2-A		560-38963	560-38882	08/19/2009 17:49	1	TAL CC	RH
P:3520C	LCS 560-38882/4-A		560-38963	560-38882	08/17/2009 11:00	1	TAL CC	LPM
A:8081B	LCS 560-38882/4-A		560-38963	560-38882	08/19/2009 18:36	1	TAL CC	RH
P:3520C	LCS 560-38882/6-A		560-38963	560-38882	08/17/2009 11:00	1	TAL CC	LPM
A:8081B	LCS 560-38882/6-A		560-38963	560-38882	08/19/2009 19:23	1	TAL CC	RH
P:8151A	LCS 600-19458/2-A		600-19723	600-19458	08/17/2009 14:21	1	TAL HOU	SMB
A:8151A	LCS 600-19458/2-A		600-19723	600-19458	08/18/2009 13:04	1	TAL HOU	MAZ
P:8151A	LCS 600-19458/2-A		600-19668	600-19458	08/17/2009 14:21	1	TAL HOU	SMB
A:8151A	LCS 600-19458/2-A		600-19668	600-19458	08/19/2009 11:59	1	TAL HOU	KP
P:TX_1005_W_Prep	LCS 560-38949/2-A		560-39096	560-38949	08/18/2009 14:50	1	TAL CC	BM
A:TX 1005	LCS 560-38949/2-A		560-39096	560-38949	08/20/2009 21:15	1	TAL CC	SR
P:3010A	LCS 560-38884/2-A		560-38922	560-38884	08/17/2009 08:30	1	TAL CC	SRF
A:6020	LCS 560-38884/2-A		560-38922	560-38884	08/17/2009 15:03	1	TAL CC	JEM
P:3010A	LCS 560-38931/2-A		560-38968	560-38931	08/18/2009 08:30	1	TAL CC	SRF
A:6020	LCS 560-38931/2-A		560-38968	560-38931	08/18/2009 17:54	1	TAL CC	JEM
P:7470A	LCS 560-39032/5-A		560-39023	560-39032	08/19/2009 10:00	1	TAL CC	JEM
A:7470A	LCS 560-39032/5-A		560-39023	560-39032	08/19/2009 17:10	1	TAL CC	JEM
A:415.1	LCS 560-39172/4		560-39172		08/24/2009 11:29	1	TAL CC	AH
A:9040C	LCS 560-39020/2		560-39020		08/14/2009 09:00	1	TAL CC	SG

Client: ARGO Systems LLC

Job Number: 560-16828-1

Laboratory Chronicle

Lab ID: LCSD **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3520C	LCSD 560-38943/3-A		560-38959	560-38943	08/18/2009 13:00	1	TAL CC	AY
A:8270C	LCSD 560-38943/3-A		560-38959	560-38943	08/19/2009 11:09	1	TAL CC	GEF
P:3520C	LCSD 560-38882/3-A		560-38963	560-38882	08/17/2009 11:00	1	TAL CC	LPM
A:8081B	LCSD 560-38882/3-A		560-38963	560-38882	08/19/2009 18:12	1	TAL CC	RH
P:3520C	LCSD 560-38882/5-A		560-38963	560-38882	08/17/2009 11:00	1	TAL CC	LPM
A:8081B	LCSD 560-38882/5-A		560-38963	560-38882	08/19/2009 18:59	1	TAL CC	RH
P:3520C	LCSD 560-38882/7-A		560-38963	560-38882	08/17/2009 11:00	1	TAL CC	LPM
A:8081B	LCSD 560-38882/7-A		560-38963	560-38882	08/19/2009 19:47	1	TAL CC	RH
P:8151A	LCSD 600-19458/3-A		600-19723	600-19458	08/17/2009 14:21	1	TAL HOU	SMB
A:8151A	LCSD 600-19458/3-A		600-19723	600-19458	08/18/2009 13:32	1	TAL HOU	MAZ
P:8151A	LCSD 600-19458/3-A		600-19668	600-19458	08/17/2009 14:21	1	TAL HOU	SMB
A:8151A	LCSD 600-19458/3-A		600-19668	600-19458	08/19/2009 12:27	1	TAL HOU	KP
P:TX_1005_W_Prep	LCSD 560-38949/3-A		560-39096	560-38949	08/18/2009 14:50	1	TAL CC	BM
A:TX 1005	LCSD 560-38949/3-A		560-39096	560-38949	08/20/2009 21:24	1	TAL CC	SR

Lab References:

TAL CC = TestAmerica Corpus Christi

TAL HOU = TestAmerica Houston

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

16828

☐ TestAmerica Austin - 14500 Summit Drive, A-100 Austin, Texas 78728
☐ TestAmerica Houston - 6310 Rothway Street, Houston, Texas 77040
☐ TestAmerica Savannah - 5102 LaRoche Avenue, Savannah, GA 31404
☒ TestAmerica Corpus Christi - 1733 NPID, Corpus Christi, Texas 78408
☐ TestAmerica Nashville - 2960 Foster Creighton Dr., Nashville, TN 37204
☐ Other _____

4.3°C IRG Seal

Pg 1 of 5

Customer Information		Project Information		Analyses / Method Requested
P.O.	Project # 1462303	Project Name	EPA RFO-20 Weslaco, TX	A. SVOCS (8270C)
W.O.		Lab Number		B. Pesticides (8081A)
Company	EA Engineering	Bill To	ARGO Systems	C. Herbicides (8151A)
Send Report To:	MARK PADDACK	Invoice Attn	Dick Roop	D.
Address:	405 S. Hwy 121 Building C Suite 100	Address:	1403 Madison Park Drive Suite 205	E.
				F.
City/State/Zip	Lewisville, Texas 75067	City/State/Zip	Glen Bernie, MD 21061	G.
Phone	972-315-3922	Phone	1-410-768-5916	H.
Fax	972-315-5181	Fax		I.

Sx No.	Sample Description	Sample Date	Sample Time	Sample Matrix	Container Type	Preservative	No. of Bottles	A	B	C	D	E	F	G	H	I	J	K	L	Comments
1	LF-GW-B9	8/12/09	17:05	W	Liter Amber	None	3	X	X	X										
2	LF-GW-B9 MS/MSD	8/12/09	17:05	W	Liter Amber	None	3	X	X	X										
~~3~~ MSD	~~LF-GW-G4~~	~~8/12/09~~	~~18:00~~	~~W~~	~~Liter Amber~~	~~None~~	~~3~~	~~X~~	~~X~~	~~X~~										
4																				
5																				
6																				
7																				
8																				
9																				
10																				

Shipment Method: FEDEX
Airbill No.: 868447590866
Required Turnaround: Standard

Relinquished by: Mark Paddack	Date 8-13-09	Relinquished by:	Date	Relinquished by:	Date
Company Name: EA Engineering	Time 17:40	Company Name:	Time	Company Name:	Time
Received by: Sara M. Ortiz	Date 8/14/09	Received by:	Date	Received by:	Date
Company Name: Test America	Time 10:02	Company Name:	Time	Company Name:	Time

08/31/2009

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

16828

- [ ] TestAmerica Austin - 14500 Summit Drive, A-100 Austin, Texas 78728
- [ ] TestAmerica Houston - 6310 Rothway Street, Houston, Texas 77040
- [ ] TestAmerica Savannah - 5102 LaRoche Avenue, Savannah, GA 31404
- [x] TestAmerica Corpus Christi - 1733 NPID, Corpus Christi, Texas 78408
- [ ] TestAmerica Nashville - 2960 Foster Creighton Dr., Nashville, TN 37204
- [ ] Other _____

3.8 °C IR5 Seal

Pg 2 of 5

Customer Information		Project Information		Analyses / Method Requested
P.O. Project # 1462303		Project Name	EPA RFO-20 Weslaco, TX	A. SVOCs (8270c)
W.O.		Lab Number		B. Herbicides (8151A)
Company	EA Engineering	Bill To	Argo Systems	C. Pesticides (8081A)
Send Report To:	MARK PADDACK	Invoice Attn	Dick Roop	D.
Address:	405 S. Hwy 121 Building C Suite 100	Address:	1403 Madison Park Drive, Suite 205	E. F.
City/State/Zip	Lewisville, Texas 75067	City/State/Zip	Glen Bernie, MD 21061	G.
Phone	972-315-3922	Phone	1-410-768-5916	H.
Fax	972-315-5181	Fax		I.

Sx No.	Sample Description	Sample Date	Sample Time	Sample Matrix	Container Type	Preservative	No. of Bottles	A	B	C	D	E	F	G	H	I	J	K	L	Comments
1	LF-GW-G4	8/12/09	18:00	W	Liter amber	None	3	X	X	X										
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

Shipment Method: FedEX | Airbill No.: 8694 6358 1280 | Required Turnaround: Standard

Relinquished by: Mark Paddack	Date 8-13-09	Relinquished by:	Date	Relinquished by:	Date
Company Name: EA Engineering	Time 17:36	Company Name:	Time	Company Name:	Time
Received by: Sara M. Ortiz	Date ~~8/13~~ 8/14/09	Received by:	Date	Received by:	Date
Company Name: TestAmerica	Time 18:02	Company Name:	Time	Company Name:	Time

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

16828

- [ ] TestAmerica Austin - 14500 Summit Drive, A-100 Austin, Texas 78728
- [ ] TestAmerica Houston - 6310 Rothway Street, Houston, Texas 77040
- [ ] TestAmerica Savannah - 5102 LaRoche Avenue, Savannah, GA 31404
- [x] TestAmerica Corpus Christi - 1733 NPID, Corpus Christi, Texas 78408
- [ ] TestAmerica Nashville - 2960 Foster Creighton Dr., Nashville, TN 37204
- [ ] Other _____

3.7°C IR5 Seal

Pg 3 of 5

Customer Information		Project Information		Analyses / Method Requested
P.O.	Project# 1462303	Project Name	EPA RFO-20 Weslaco, TX	A. SVOCs (8270C)
W.O.		Lab Number		B. Herbicides (8151A)
Company	EA Engineering	Bill To	Argo Systems	C. Pesticides (8081A)
Send Report To:	MARK PADDACK	Invoice Attn	Dick Roop	D.
Address:	405 S. Hwy 121 Building C Suite 100	Address:	1403 Madison Park Drive, Suite 205	E. F.
City/State/Zip	Lewisville, Texas 75067	City/State/Zip	Glen Bernie, MD 21061	G.
Phone	972-315-3922	Phone	1-410-768-5916	H.
Fax	972-315-5181	Fax		I.

Sx No.	Sample Description	Sample Date	Sample Time	Sample Matrix	Container Type	Preservative	No. of Bottles	A	B	C	D	E	F	G	H	I	J	K	L	Comments
1	LF-GW-RB	8-13-09	9:30	W	Liter Amber	None	3	X	X	X										
2	LF-GW-FB	8-13-09	9:45	W	Liter Amber	None	3	X	X	X										
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

Shipment Method: Fed Ex
Airbill No.: 8694 6358 1340
Required Turnaround: Standard

Relinquished by: Mark Paddack	Date 8-13-09	Relinquished by:	Date	Relinquished by:	Date
Company Name: EA Engineering	Time 17:38	Company Name:	Time	Company Name:	Time
Received by: Sara M. Ortiz	Date ~~8/13/09~~ 8/14/09	Received by: SMO 8/14/09	Date	Received by:	Date
Company Name: Test America	Time 10:02	Company Name:	Time	Company Name:	Time

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

16828

☐ TestAmerica Austin - 14500 Summit Drive, A-100 Austin, Texas 78728
☐ TestAmerica Houston - 6310 Rothway Street, Houston, Texas 77040
☐ TestAmerica Savannah - 5102 LaRoche Avenue, Savannah, GA 31404
☒ TestAmerica Corpus Christi - 1733 NPID, Corpus Christi, Texas 78408
☐ TestAmerica Nashville - 2960 Foster Creighton Dr., Nashville, TN 37204
☐ Other _____

2.7°C IR5 Seal

Pg 4 of 5

Customer Information		Project Information		Analyses / Method Requested
P.O. ~~Project#~~ 1462303		Project Name	EPA RFO-20 Weslaco, TX	A. ✓ OCS (8260B)
W.O.		Lab Number		B. TPH (TX1005)
Company	EA Engineering	Bill To	Arco Systems	C. RCRA 8 metals w/ mercury (6020)
Send Report To:	MARK PADDACK	Invoice Attn	Dick Roop	D.
Address:	405 S. Hwy 121 Building C Suite 100	Address:	1403 Madison Park Drive Suite 205	E.
				F.
City/State/Zip	Lewisville, Texas 75067	City/State/Zip	Glen Bernie MD 21061	G.
Phone	972-315-3922	Phone	1-410-768-5916	H.
Fax	972-315-5181	Fax		I.

Sx No.	Sample Description	Sample Date	Sample Time	Sample Matrix	Container Type	Preservative	No. of Bottles	A	B	C	D	E	F	G	H	I	J	K	L	Comments
1	LF-GW-B9	8/12/09	17:05	W	VOA/plastic	HCL/HNO3	7	X	X	X										
2	LF-GW-B9 MS/MSD	8/12/09	17:05	W	VOA/plastic	HCL/HNO3	7	X	X	X										
3	LF-GW-G4	8/12/09	18:00	W	VOA/plastic	HCL/HNO3	7	X	X	X										
4	LF-GW-G2	8/13/09	8:40	W	VOA/Plastic	HCL/HNO3	7	X	X	X										
5	LF-GW-RB	8/13/09	9:30	W	VOA/Plastic	HCL/HNO3	7	X	X	X										
6	LF-GW-FB	8/13/09	9:45	W	VOA/Plastic	HCL/HNO3	7	X	X	X										
7	LF-GW-G1	8/13/09	9:40	W	VOA/Plastic	HCL/HNO3	7	X	X	X										
msp 8	~~LF-[illegible]~~																			
9	LF-LEC-G3	8/13/09	15:30	W	VOA/plastic	HCL/HNO3	7	X	X	X										
10	Trip Blank	8/7/09	8:30	W	VOA	HCL	2	X												

Shipment Method: 8-13-09 Fed Ex
Airbill No.: 8694 6358 1350
Required Turnaround:

Relinquished by:	Date	Relinquished by:	Date	Relinquished by:	Date
Mark Paddack	~~18:35~~				
Company Name: EA Engineering	Time 18:36	Company Name:	Time	Company Name:	Time
Received by: Sara M. Ortiz	Date ~~8/13/09~~ 8/14/09	Received by: SMO 8/14/09	Date	Received by:	Date
Company Name: Test America	Time 10:02	Company Name:	Time	Company Name:	Time

08/31/2009

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

☐ TestAmerica Austin - 14500 Summit Drive, A-100 Austin, Texas 78728
☐ TestAmerica Houston - 6310 Rothway Street, Houston, Texas 77040
☐ TestAmerica Savannah - 5102 LaRoche Avenue, Savannah, GA 31404
☒ TestAmerica Corpus Christi - 1733 NPID, Corpus Christi, Texas 78408
☐ TestAmerica Nashville - 2960 Foster Creighton Dr., Nashville, TN 37204
☐ Other _____

Pg 5 of 5

4.0°C IRS Seal

Customer Information		Project Information		Analyses / Method Requested
P.O.	Project # 146 2303	Project Name	EPA RFO-20 Weslaco, TX	A. SVOCS (8270C)
W.O.		Lab Number		B. Herbicides (8151A)
Company	EA Engineering	Bill To	Argo Systems	C. Pesticides (8081A)
Send Report To:	MARK PADDACK	Invoice Attn	Dick Roop	D. pH (9040B)
Address:	405 S. Hwy 121 Building C Suite 100	Address:	1403 Madison Park Drive, Suite 205	E. TOC (415.1)
				F.
City/State/Zip	Lewisville, Texas 75067	City/State/Zip	Glen Bernie, MD 21061	G.
Phone	972-315-3922	Phone	1-410-768-5916	H.
Fax	972-315-5181	Fax		I.

Sx No.	Sample Description	Sample Date	Sample Time	Sample Matrix	Container Type	Preservative	No. of Bottles	A	B	C	D	E	F	G	H	I	J	K	L	Comments
1	LF-GW-G2	8/13/09	8:40	W	1 liter amber	None	3	X	X	X										
2	~~LF-GW-G1~~	~~8/13/09~~	~~9:40~~	~~W~~	~~1 liter Amber~~	~~None~~	~~1~~	~~X~~	~~—~~	~~—~~	~~mp~~	~~8/13/09~~								
3	LF-LEC-G3	8/13/09	15:30	W	Plastic 1 liter Amber	none/ H_2SO_4	5	X	X	X	X	X								
4																				
5																				
6																				
7																				
8																				
9																				
10																				

Shipment Method: 8-13-09 Fed Ex
Airbill No.: 8694 6358 1144
Required Turnaround: Standard

Relinquished by:	Date	Relinquished by:	Date	Relinquished by:	Date
Mark Paddack	~~18:03~~				
Company Name: EA Engineering	Time 18:03	Company Name:	Time	Company Name:	Time
Received by: Sara M. Ortiz	Date 8/14/09	Received by:	Date	Received by:	Date
Company Name: Test America	Time 1002	Company Name:	Time	Company Name:	Time

Login Sample Receipt Check List

Client: ARGO Systems LLC

Job Number: 560-16828-1

Login Number: 16828
Creator: Padilla, Erica
List Number: 1

List Source: TestAmerica Corpus Christi

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	Insufficient volume for MS/MSD.
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	False	
Sample Preservation Verified	False	pH>2 on Sx's 2,3,6,7

Login Sample Receipt Check List

Client: ARGO Systems LLC

Job Number: 560-16828-1

Login Number: 16828
Creator: Claunch, Todd F
List Number: 1

List Source: TestAmerica Houston
List Creation: 08/17/09 07:59 AM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 560-16836-1

Job Description: EPA RFO-20 - Weslaco, Texas

For:
ARGO Systems LLC
1403 Madison Park Drive
Suite 205
Glen Burnie, MD 21061

Attention: Mr. Robert D Roop

Approved for release.
Julie Darrow
Project Manager I
8/31/2009 6:42 PM

Julie Darrow
Project Manager I
julie.darrow@testamericainc.com
08/31/2009

cc: Mr. Mark Paddack
Mr. Brian Yost

The test results entered in this report meet all NELAC requirements for accredited parameters. Any exceptions to NELAC requirements are noted in the report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory. TestAmerica Corpus Christi Certifications and Approvals: NELAC TX T104704210-TX, NELAC KS E-10362, Oklahoma 9968, USDA Soil Permit P330-08-00033.

TestAmerica Laboratories, Inc.
TestAmerica Corpus Christi 1733 N. Padre Island Drive, Corpus Christi, TX 78408
Tel (361) 289-2673 Fax (361) 289-2471 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

Job Narrative
560-J16836-1

Receipt

Samples 560-16836-1 and 2 each had 2 vials for each with headspace and a loss of volatiles may have occurred.

Volatile Organics Analysis

Sample 560-16836-1 was analyzed for Volatile Organics using EPA Method 8260B in batch 560-38897. A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows 5 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS had one analyte (trans-1,2-Dichloroethene) below the acceptance criteria by 1%. Re-extraction/re-analysis was not performed. These results have been reported and qualified.

Sample 560-16836-2 was analyzed for Volatile Organics using EPA Method 8260B in batch 560-38942. The percent recovery results for the matrix spike duplicate associated with this batch and sample 2 were outside the acceptance criteria for acetone and acetonitrile. Additionally, the RPD for the spiked pair was above the acceptance criteria for MEK, acetone and acetonitrile. The method blank and LCS was within acceptable limits and the data are therefore reported.

Semivolatile Organic Analysis

Samples 560-16836-2, 2MS, 3 and 4 were analyzed for semivolatile organics using EPA Method 8270C in batch 560-38959. The percent recovery results for the matrix spike associated with sample 2 were outside the acceptance criteria. The method blank and LCS were within acceptable limits and the data are therefore reported. In addition, the percent recovery results for the LCS associated with this batch were above the acceptance criteria for 2-nitroaniline, pyrene, and benzo(a)pyrene; however, the analytes were not detected in the samples. The data are therefore reported. Insufficient sample volume was provided to perform matrix spike duplicate; however an LCS and LCSD were analyzed.

Herbicide Analysis

Samples 560-16836-2, 2MS, 3 and 4 were anlayzed for herbicides using EPA Method 8151A in batch 19540. The matrix spike could not be recovered due to matrix interferences. The LCS was within acceptable limits and the data are therefore reported. Insufficient sample volume was provided to perform matrix spike duplicate.

Organochlorine Pesticide Analysis

Samples 560-16836-2, 2MS, 3 and 4 were anlayzed for organochlorine pesticides using EPA Method 8081B in batch 39026. The continuing calibration verification (CCV) for Chlordane recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.
Additionally, the percent recovery results for the matrix spike associated with sample 2 were outside the acceptance criteria. The method blank and LCS were within acceptable limits and the data are therefore reported. Insufficient sample volume was provided to perform matrix spike duplicate; however an LCS and LCSD were analyzed.

Total Petroleum Hydrocarbon (TPH) Analysis

Sample 560-16836-2, 2MS, 3,and 4 were analyzed for TPH using TCEQ Method TX 1005 in batch 560-39040. The surrogates were accidentally double spiked in the LCSD; however, all other QC and client samples were within acceptable limits. Surrogate recoveries for the LCS as well as all other quality control and client samples were within acceptable limits. The data are therefore reported.

Metals Analysis

Sample 560-16836-2 was anlayzed for total metals using EPA Method 6020 in batch 560-38922. The matrix spike associated with this batch and sample 2 was outside the acceptance criteria. The method blank and LCS were within acceptable limits and the data are therefore reported.

TOC Analysis

Sample 560-16836-2 was analyzed for TOC using EPA Method 415.1 in batch 560-38990. The matrix spike could not be recovered due to sample matrix interferences which required sample dilution. The analyte present in the original sample was 4 times greater than the spike concentration; therefore, control limits are not applicable. The method blank and LCS were within acceptable limits and the data are therefore reported.

pH Analysis

Samples 560-16836-2, 3, and 4 were analyzed for TOC using EPA Method 415.1 in batch 560-38898. This analysis is normally

performed in the field and has a method-defined holding time of 15 minutes. All associated samples have been qualified with the "HF" flag to indicate they were performed in the laboratory outside the 15 minute timeframe.

No other analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: ARGO Systems LLC

Job Number: 560-16836-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
560-16836-2FD	**LF-LEC-G3-DUP**					
Ethyl ether		0.45	J	1.0	ug/L	8260B
Carbon disulfide		0.43	J	1.0	ug/L	8260B
Acetone		5.8	J	10	ug/L	8260B
Benzene		1.3		1.0	ug/L	8260B
Toluene		0.55	J	1.0	ug/L	8260B
Ethylbenzene		11		1.0	ug/L	8260B
1,2,4-Trimethylbenzene		0.55	J	1.0	ug/L	8260B
Xylenes, Total		2.8		2.0	ug/L	8260B
Naphthalene		2.1	J	9.5	ug/L	8270C
Diethyl phthalate		0.96	J	9.5	ug/L	8270C
Over C12-C28		1.2	J	4.5	mg/L	TX 1005
C6-C12		0.63	J	4.5	mg/L	TX 1005
C6-C35		1.8	J	4.5	mg/L	TX 1005
Arsenic		0.0083		0.0050	mg/L	6020
Barium		4.5		0.025	mg/L	6020
Chromium		0.0045	J	0.0050	mg/L	6020
Lead		0.0031	J	0.0050	mg/L	6020
Selenium		0.0021	J	0.0050	mg/L	6020
Total Organic Carbon		480		2.0	mg/L	415.1
pH		6.2	HF	0.10	SU	9040C
560-16836-3RB	**LF-LEC-RB**					
Acetone		7.0	J	10	ug/L	8260B
C6-C12		0.43	J	4.5	mg/L	TX 1005
C6-C35		0.43	J	4.5	mg/L	TX 1005
Total Organic Carbon		1.6		1.0	mg/L	415.1
pH		7.2	HF	0.10	SU	9040C
560-16836-4FB	**LF-LEC-FB**					
Acetone		7.7	J	10	ug/L	8260B
Heptachlor		0.11		0.050	ug/L	8081B
Total Organic Carbon		0.71	J	1.0	mg/L	415.1
pH		5.6	HF	0.10	SU	9040C

METHOD SUMMARY

Client: ARGO Systems LLC

Job Number: 560-16836-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL CC	SW846 8260B	
Purge and Trap	TAL CC		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL CC	SW846 8270C	
Liquid-Liquid Extraction (Continuous)	TAL CC		SW846 3520C
Organochlorine Pesticides by Gas Chromatography	TAL CC	SW846 8081B	
Liquid-Liquid Extraction (Continuous)	TAL CC		SW846 3520C
Herbicides (GC)	TAL HOU	SW846 8151A	
Extraction (Herbicides)	TAL HOU		SW846 8151A
Texas - Total Petroleum Hydrocarbon (GC)	TAL CC	TCEQ TX 1005	
Extraction - Texas Total petroleum Hyrdocarbons	TAL CC		TCEQ TX_1005_W_Prep
Metals (ICP/MS)	TAL CC	SW846 6020	
Preparation, Total Metals	TAL CC		SW846 3010A
Mercury (CVAA)	TAL CC	SW846 7470A	
Preparation, Mercury	TAL CC		SW846 7470A
TOC	TAL CC	MCAWW 415.1	
pH	TAL CC	SW846 9040C	

Lab References:

TAL CC = TestAmerica Corpus Christi

TAL HOU = TestAmerica Houston

Method References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

TCEQ = Texas Commission of Environmental Quality

METHOD / ANALYST SUMMARY

Client: ARGO Systems LLC

Job Number: 560-16836-1

Method	Analyst	Analyst ID
SW846 8260B	Goebel, Susan	SG
SW846 8270C	Fisher, Gayland E	GEF
SW846 8081B	Haas, Richard	RH
SW846 8151A	Patel, Kanisha	KP
TCEQ TX 1005	Craig, Bronson	BC
SW846 6020	Mathewson, John E	JEM
SW846 6020	Reyes, Eddie D	EDR
SW846 7470A	Mathewson, John E	JEM
MCAWW 415.1	Henny, April	AH
SW846 9040C	Gonzalez, Sonia	SG

SAMPLE SUMMARY

Client: ARGO Systems LLC

Job Number: 560-16836-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
560-16836-1TB	Trip Blank	Water	08/14/2009 0000	08/15/2009 0945
560-16836-2FD	LF-LEC-G3-DUP	Water	08/14/2009 0835	08/15/2009 0945
560-16836-2MS	LF-LEC-G3-DUP-MS	Water	08/14/2009 0944	08/15/2009 0945
560-16836-2MSD	LF-LEC-G3-DUP-MSD	Water	08/14/2009 0944	08/15/2009 0945
560-16836-3RB	LF-LEC-RB	Water	08/14/2009 1015	08/15/2009 0945
560-16836-4FB	LF-LEC-FB	Water	08/14/2009 1030	08/15/2009 0945

SAMPLE RESULTS

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 560-16836-1TB

Client Matrix: Water

Date Sampled: 08/14/2009 0000

Date Received: 08/15/2009 0945

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38897	Instrument ID:	VGCMS#2
Preparation:	5030B		Lab File ID:	08170928.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	08/18/2009 0152		Final Weight/Volume:	5 mL
Date Prepared:	08/18/2009 0152			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	<0.43		0.43	1.0
Chloromethane	<0.39		0.39	1.0
Vinyl chloride	<0.20		0.20	1.0
Bromomethane	<0.39		0.39	1.0
Chloroethane	<0.40		0.40	1.0
Trichlorofluoromethane	<0.24		0.24	1.0
Ethyl ether	<0.20		0.20	1.0
1,1-Dichloroethene	<0.20		0.20	1.0
Carbon disulfide	<0.20		0.20	1.0
Iodomethane	<0.22		0.22	1.0
Methylene Chloride	<2.0		2.0	10
Acetone	<5.0		5.0	10
trans-1,2-Dichloroethene	<0.20	*	0.20	1.0
Methyl tert-butyl ether	<0.20		0.20	1.0
Acetonitrile	<2.2		2.2	10
1,1-Dichloroethane	<0.20		0.20	1.0
Vinyl acetate	<0.20		0.20	1.0
cis-1,2-Dichloroethene	<0.20		0.20	1.0
2,2-Dichloropropane	<0.34		0.34	1.0
Chloroform	<0.20		0.20	1.0
Ethyl acetate	<0.20		0.20	1.0
Carbon tetrachloride	<0.25		0.25	1.0
1,1,1-Trichloroethane	<0.20		0.20	1.0
1,1-Dichloropropene	<0.20		0.20	1.0
Benzene	<0.20		0.20	1.0
1,2-Dichloroethane	<0.20		0.20	1.0
Trichloroethene	<0.32		0.32	1.0
Dibromomethane	<0.20		0.20	1.0
1,2-Dichloropropane	<0.20		0.20	1.0
Dichlorobromomethane	<0.20		0.20	1.0
Methyl methacrylate	<0.20		0.20	5.0
1,4-Dioxane	<7.5		7.5	100
cis-1,3-Dichloropropene	<0.20		0.20	1.0
Toluene	<0.20		0.20	1.0
2-Nitropropane	<0.22		0.22	5.0
4-Methyl-2-pentanone (MIBK)	<0.20		0.20	1.0
trans-1,3-Dichloropropene	<0.20		0.20	1.0
Tetrachloroethene	<0.20		0.20	1.0
Ethyl methacrylate	<0.20		0.20	5.0
1,1,2-Trichloroethane	<0.20		0.20	1.0
Chlorodibromomethane	<0.22		0.22	1.0
1,3-Dichloropropane	<0.20		0.20	1.0
Ethylene Dibromide	<0.20		0.20	1.0
2-Hexanone	<0.20		0.20	1.0
Chlorobenzene	<0.20		0.20	1.0
Ethylbenzene	<0.20		0.20	1.0

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 560-16836-1TB

Client Matrix: Water

Date Sampled: 08/14/2009 0000

Date Received: 08/15/2009 0945

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38897	Instrument ID:	VGCMS#2
Preparation:	5030B		Lab File ID:	08170928.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	08/18/2009 0152		Final Weight/Volume:	5 mL
Date Prepared:	08/18/2009 0152			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Bromoform	<0.20		0.20	5.0
Styrene	<0.20		0.20	5.0
1,1,2,2-Tetrachloroethane	<0.20		0.20	1.0
1,2,3-Trichloropropane	<0.20		0.20	1.0
1,3,5-Trimethylbenzene	<0.20		0.20	1.0
1,2,4-Trimethylbenzene	<0.20		0.20	1.0
1,2,3-Trichlorobenzene	<0.22		0.22	5.0
2-Butanone (MEK)	<0.47		0.47	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.28		0.28	1.0
Xylenes, Total	<0.23		0.23	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Dibromofluoromethane (Surr)	90		74 - 123
1,2-Dichloroethane-d4 (Surr)	109		76 - 125
Toluene-d8 (Surr)	91		80 - 120
4-Bromofluorobenzene (Surr)	95		77 - 120

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-G3-DUP**

Lab Sample ID: 560-16836-2FD

Client Matrix: Water

Date Sampled: 08/14/2009 0835

Date Received: 08/15/2009 0945

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Preparation: 5030B

Dilution: 1.0

Date Analyzed: 08/18/2009 1837

Date Prepared: 08/18/2009 1837

Analysis Batch: 560-38942

Instrument ID: VGCMS#2

Lab File ID: 08180914.D

Initial Weight/Volume: 5 mL

Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	<0.43		0.43	1.0
Chloromethane	<0.39		0.39	1.0
Vinyl chloride	<0.20		0.20	1.0
Bromomethane	<0.39		0.39	1.0
Chloroethane	<0.40		0.40	1.0
Trichlorofluoromethane	<0.24		0.24	1.0
Ethyl ether	0.45	J	0.20	1.0
1,1-Dichloroethene	<0.20		0.20	1.0
Carbon disulfide	0.43	J	0.20	1.0
Iodomethane	<0.22		0.22	1.0
Methylene Chloride	<2.0		2.0	10
Acetone	5.8	J	5.0	10
trans-1,2-Dichloroethene	<0.20		0.20	1.0
Methyl tert-butyl ether	<0.20		0.20	1.0
Acetonitrile	<2.2		2.2	10
1,1-Dichloroethane	<0.20		0.20	1.0
Vinyl acetate	<0.20		0.20	1.0
cis-1,2-Dichloroethene	<0.20		0.20	1.0
2,2-Dichloropropane	<0.34		0.34	1.0
Chloroform	<0.20		0.20	1.0
Ethyl acetate	<0.20		0.20	1.0
Carbon tetrachloride	<0.25		0.25	1.0
1,1,1-Trichloroethane	<0.20		0.20	1.0
1,1-Dichloropropene	<0.20		0.20	1.0
Benzene	1.3		0.20	1.0
1,2-Dichloroethane	<0.20		0.20	1.0
Trichloroethene	<0.32		0.32	1.0
Dibromomethane	<0.20		0.20	1.0
1,2-Dichloropropane	<0.20		0.20	1.0
Dichlorobromomethane	<0.20		0.20	1.0
Methyl methacrylate	<0.20		0.20	5.0
1,4-Dioxane	<7.5		7.5	100
cis-1,3-Dichloropropene	<0.20		0.20	1.0
Toluene	0.55	J	0.20	1.0
2-Nitropropane	<0.22		0.22	5.0
4-Methyl-2-pentanone (MIBK)	<0.20		0.20	1.0
trans-1,3-Dichloropropene	<0.20		0.20	1.0
Tetrachloroethene	<0.20		0.20	1.0
Ethyl methacrylate	<0.20		0.20	5.0
1,1,2-Trichloroethane	<0.20		0.20	1.0
Chlorodibromomethane	<0.22		0.22	1.0
1,3-Dichloropropane	<0.20		0.20	1.0
Ethylene Dibromide	<0.20		0.20	1.0
2-Hexanone	<0.20		0.20	1.0
Chlorobenzene	<0.20		0.20	1.0
Ethylbenzene	11		0.20	1.0

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-G3-DUP**

Lab Sample ID: 560-16836-2FD

Client Matrix: Water

Date Sampled: 08/14/2009 0835

Date Received: 08/15/2009 0945

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38942	Instrument ID:	VGCMS#2
Preparation:	5030B		Lab File ID:	08180914.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	08/18/2009 1837		Final Weight/Volume:	5 mL
Date Prepared:	08/18/2009 1837			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Bromoform	<0.20		0.20	5.0
Styrene	<0.20		0.20	5.0
1,1,2,2-Tetrachloroethane	<0.20		0.20	1.0
1,2,3-Trichloropropane	<0.20		0.20	1.0
1,3,5-Trimethylbenzene	<0.20		0.20	1.0
1,2,4-Trimethylbenzene	0.55	J	0.20	1.0
1,2,3-Trichlorobenzene	<0.22		0.22	5.0
2-Butanone (MEK)	<0.47		0.47	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.28		0.28	1.0
Xylenes, Total	2.8		0.23	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Dibromofluoromethane (Surr)	89		74 - 123
1,2-Dichloroethane-d4 (Surr)	103		76 - 125
Toluene-d8 (Surr)	93		80 - 120
4-Bromofluorobenzene (Surr)	94		77 - 120

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-RB**

Lab Sample ID: 560-16836-3RB

Client Matrix: Water

Date Sampled: 08/14/2009 1015

Date Received: 08/15/2009 0945

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38942	Instrument ID:	VGCMS#2
Preparation:	5030B		Lab File ID:	08180915.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	08/18/2009 1902		Final Weight/Volume:	5 mL
Date Prepared:	08/18/2009 1902			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	<0.43		0.43	1.0
Chloromethane	<0.39		0.39	1.0
Vinyl chloride	<0.20		0.20	1.0
Bromomethane	<0.39		0.39	1.0
Chloroethane	<0.40		0.40	1.0
Trichlorofluoromethane	<0.24		0.24	1.0
Ethyl ether	<0.20		0.20	1.0
1,1-Dichloroethene	<0.20		0.20	1.0
Carbon disulfide	<0.20		0.20	1.0
Iodomethane	<0.22		0.22	1.0
Methylene Chloride	<2.0		2.0	10
Acetone	7.0	J	5.0	10
trans-1,2-Dichloroethene	<0.20		0.20	1.0
Methyl tert-butyl ether	<0.20		0.20	1.0
Acetonitrile	<2.2		2.2	10
1,1-Dichloroethane	<0.20		0.20	1.0
Vinyl acetate	<0.20		0.20	1.0
cis-1,2-Dichloroethene	<0.20		0.20	1.0
2,2-Dichloropropane	<0.34		0.34	1.0
Chloroform	<0.20		0.20	1.0
Ethyl acetate	<0.20		0.20	1.0
Carbon tetrachloride	<0.25		0.25	1.0
1,1,1-Trichloroethane	<0.20		0.20	1.0
1,1-Dichloropropene	<0.20		0.20	1.0
Benzene	<0.20		0.20	1.0
1,2-Dichloroethane	<0.20		0.20	1.0
Trichloroethene	<0.32		0.32	1.0
Dibromomethane	<0.20		0.20	1.0
1,2-Dichloropropane	<0.20		0.20	1.0
Dichlorobromomethane	<0.20		0.20	1.0
Methyl methacrylate	<0.20		0.20	5.0
1,4-Dioxane	<7.5		7.5	100
cis-1,3-Dichloropropene	<0.20		0.20	1.0
Toluene	<0.20		0.20	1.0
2-Nitropropane	<0.22		0.22	5.0
4-Methyl-2-pentanone (MIBK)	<0.20		0.20	1.0
trans-1,3-Dichloropropene	<0.20		0.20	1.0
Tetrachloroethene	<0.20		0.20	1.0
Ethyl methacrylate	<0.20		0.20	5.0
1,1,2-Trichloroethane	<0.20		0.20	1.0
Chlorodibromomethane	<0.22		0.22	1.0
1,3-Dichloropropane	<0.20		0.20	1.0
Ethylene Dibromide	<0.20		0.20	1.0
2-Hexanone	<0.20		0.20	1.0
Chlorobenzene	<0.20		0.20	1.0
Ethylbenzene	<0.20		0.20	1.0

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-RB**

Lab Sample ID: 560-16836-3RB

Client Matrix: Water

Date Sampled: 08/14/2009 1015

Date Received: 08/15/2009 0945

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38942	Instrument ID:	VGCMS#2
Preparation:	5030B		Lab File ID:	08180915.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	08/18/2009 1902		Final Weight/Volume:	5 mL
Date Prepared:	08/18/2009 1902			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Bromoform	<0.20		0.20	5.0
Styrene	<0.20		0.20	5.0
1,1,2,2-Tetrachloroethane	<0.20		0.20	1.0
1,2,3-Trichloropropane	<0.20		0.20	1.0
1,3,5-Trimethylbenzene	<0.20		0.20	1.0
1,2,4-Trimethylbenzene	<0.20		0.20	1.0
1,2,3-Trichlorobenzene	<0.22		0.22	5.0
2-Butanone (MEK)	<0.47		0.47	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.28		0.28	1.0
Xylenes, Total	<0.23		0.23	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Dibromofluoromethane (Surr)	90		74 - 123
1,2-Dichloroethane-d4 (Surr)	101		76 - 125
Toluene-d8 (Surr)	92		80 - 120
4-Bromofluorobenzene (Surr)	94		77 - 120

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-FB**

Lab Sample ID: 560-16836-4FB

Client Matrix: Water

Date Sampled: 08/14/2009 1030

Date Received: 08/15/2009 0945

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38942	Instrument ID:	VGCMS#2
Preparation:	5030B		Lab File ID:	08180916.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	08/18/2009 1926		Final Weight/Volume:	5 mL
Date Prepared:	08/18/2009 1926			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	<0.43		0.43	1.0
Chloromethane	<0.39		0.39	1.0
Vinyl chloride	<0.20		0.20	1.0
Bromomethane	<0.39		0.39	1.0
Chloroethane	<0.40		0.40	1.0
Trichlorofluoromethane	<0.24		0.24	1.0
Ethyl ether	<0.20		0.20	1.0
1,1-Dichloroethene	<0.20		0.20	1.0
Carbon disulfide	<0.20		0.20	1.0
Iodomethane	<0.22		0.22	1.0
Methylene Chloride	<2.0		2.0	10
Acetone	7.7	J	5.0	10
trans-1,2-Dichloroethene	<0.20		0.20	1.0
Methyl tert-butyl ether	<0.20		0.20	1.0
Acetonitrile	<2.2		2.2	10
1,1-Dichloroethane	<0.20		0.20	1.0
Vinyl acetate	<0.20		0.20	1.0
cis-1,2-Dichloroethene	<0.20		0.20	1.0
2,2-Dichloropropane	<0.34		0.34	1.0
Chloroform	<0.20		0.20	1.0
Ethyl acetate	<0.20		0.20	1.0
Carbon tetrachloride	<0.25		0.25	1.0
1,1,1-Trichloroethane	<0.20		0.20	1.0
1,1-Dichloropropene	<0.20		0.20	1.0
Benzene	<0.20		0.20	1.0
1,2-Dichloroethane	<0.20		0.20	1.0
Trichloroethene	<0.32		0.32	1.0
Dibromomethane	<0.20		0.20	1.0
1,2-Dichloropropane	<0.20		0.20	1.0
Dichlorobromomethane	<0.20		0.20	1.0
Methyl methacrylate	<0.20		0.20	5.0
1,4-Dioxane	<7.5		7.5	100
cis-1,3-Dichloropropene	<0.20		0.20	1.0
Toluene	<0.20		0.20	1.0
2-Nitropropane	<0.22		0.22	5.0
4-Methyl-2-pentanone (MIBK)	<0.20		0.20	1.0
trans-1,3-Dichloropropene	<0.20		0.20	1.0
Tetrachloroethene	<0.20		0.20	1.0
Ethyl methacrylate	<0.20		0.20	5.0
1,1,2-Trichloroethane	<0.20		0.20	1.0
Chlorodibromomethane	<0.22		0.22	1.0
1,3-Dichloropropane	<0.20		0.20	1.0
Ethylene Dibromide	<0.20		0.20	1.0
2-Hexanone	<0.20		0.20	1.0
Chlorobenzene	<0.20		0.20	1.0
Ethylbenzene	<0.20		0.20	1.0

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-FB**

Lab Sample ID: 560-16836-4FB

Client Matrix: Water

Date Sampled: 08/14/2009 1030

Date Received: 08/15/2009 0945

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38942	Instrument ID:	VGCMS#2
Preparation:	5030B		Lab File ID:	08180916.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	08/18/2009 1926		Final Weight/Volume:	5 mL
Date Prepared:	08/18/2009 1926			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Bromoform	<0.20		0.20	5.0
Styrene	<0.20		0.20	5.0
1,1,2,2-Tetrachloroethane	<0.20		0.20	1.0
1,2,3-Trichloropropane	<0.20		0.20	1.0
1,3,5-Trimethylbenzene	<0.20		0.20	1.0
1,2,4-Trimethylbenzene	<0.20		0.20	1.0
1,2,3-Trichlorobenzene	<0.22		0.22	5.0
2-Butanone (MEK)	<0.47		0.47	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.28		0.28	1.0
Xylenes, Total	<0.23		0.23	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Dibromofluoromethane (Surr)	91		74 - 123
1,2-Dichloroethane-d4 (Surr)	104		76 - 125
Toluene-d8 (Surr)	92		80 - 120
4-Bromofluorobenzene (Surr)	94		77 - 120

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-G3-DUP**

Lab Sample ID: 560-16836-2FD

Client Matrix: Water

Date Sampled: 08/14/2009 0835

Date Received: 08/15/2009 0945

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-38959		Instrument ID:	SVGCMS#2
Preparation:	3520C	Prep Batch: 560-38943		Lab File ID:	08190911.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Date Analyzed:	08/19/2009 1315			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	<0.95		0.95	9.5
Bis(2-chloroethyl)ether	<0.67		0.67	9.5
2-Chlorophenol	<0.95		0.95	9.5
1,3-Dichlorobenzene	<0.95		0.95	9.5
1,4-Dichlorobenzene	<0.95		0.95	9.5
Benzyl alcohol	<1.3		1.3	9.5
1,2-Dichlorobenzene	<0.95		0.95	9.5
2-Methylphenol	<0.48		0.48	9.5
3 & 4 Methylphenol	<1.9		1.9	19
N-Nitrosodi-n-propylamine	<0.62		0.62	9.5
Hexachloroethane	<0.56		0.56	9.5
Nitrobenzene	<0.48		0.48	9.5
Isophorone	<0.60		0.60	9.5
2-Nitrophenol	<0.95		0.95	9.5
2,4-Dimethylphenol	<0.53		0.53	9.5
Bis(2-chloroethoxy)methane	<0.56		0.56	9.5
2,4-Dichlorophenol	<0.95		0.95	9.5
1,2,4-Trichlorobenzene	<0.95		0.95	9.5
Naphthalene	2.1	J	0.48	9.5
4-Chloroaniline	<0.48		0.48	9.5
Hexachlorobutadiene	<0.95		0.95	9.5
4-Chloro-3-methylphenol	<0.95		0.95	9.5
2-Methylnaphthalene	<0.48		0.48	9.5
Hexachlorocyclopentadiene	<1.3		1.3	9.5
2,4,6-Trichlorophenol	<0.95		0.95	9.5
2,4,5-Trichlorophenol	<0.95		0.95	9.5
2-Chloronaphthalene	<0.48		0.48	9.5
2-Nitroaniline	<0.95	*	0.95	9.5
Dimethyl phthalate	<0.52		0.52	9.5
Acenaphthylene	<0.48		0.48	9.5
2,6-Dinitrotoluene	<0.95		0.95	9.5
3-Nitroaniline	<1.7		1.7	9.5
Acenaphthene	<0.54		0.54	9.5
2,4-Dinitrophenol	<4.8		4.8	9.5
4-Nitrophenol	<4.8		4.8	9.5
Dibenzofuran	<0.49		0.49	9.5
2,4-Dinitrotoluene	<0.95		0.95	9.5
Diethyl phthalate	0.96	J	0.50	9.5
Fluorene	<0.58		0.58	9.5
4-Chlorophenyl phenyl ether	<0.50		0.50	9.5
4-Nitroaniline	<1.4		1.4	9.5
4,6-Dinitro-2-methylphenol	<4.8		4.8	9.5
N-Nitrosodiphenylamine	<0.48		0.48	9.5
4-Bromophenyl phenyl ether	<0.71		0.71	9.5
Hexachlorobenzene	<0.62		0.62	9.5
Phenanthrene	<0.49		0.49	9.5

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-G3-DUP**

Lab Sample ID: 560-16836-2FD

Client Matrix: Water

Date Sampled: 08/14/2009 0835

Date Received: 08/15/2009 0945

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-38959		Instrument ID:	SVGCMS#2
Preparation:	3520C	Prep Batch: 560-38943		Lab File ID:	08190911.D
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Date Analyzed:	08/19/2009 1315			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Anthracene	<0.48		0.48	9.5
Di-n-butyl phthalate	<0.48		0.48	9.5
Fluoranthene	<0.48		0.48	9.5
Pyrene	<0.48	*	0.48	9.5
Butyl benzyl phthalate	<0.95		0.95	9.5
Benzo[a]anthracene	<0.48		0.48	9.5
Chrysene	<0.48		0.48	9.5
Bis(2-ethylhexyl) phthalate	<1.8		1.8	9.5
Di-n-octyl phthalate	<1.9		1.9	9.5
Benzo[b]fluoranthene	<0.48		0.48	9.5
Benzo[k]fluoranthene	<0.48		0.48	9.5
Benzo[a]pyrene	<0.48	*	0.48	9.5
Indeno[1,2,3-cd]pyrene	<0.48		0.48	9.5
Dibenz(a,h)anthracene	<0.48		0.48	9.5
Benzo[g,h,i]perylene	<0.48		0.48	9.5
3,3'-Dichlorobenzidine	<0.48		0.48	9.5
Pentachlorophenol	<1.9		1.9	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	68		10 - 120
Phenol-d5	75		12 - 120
Nitrobenzene-d5	81		36 - 120
2-Fluorobiphenyl	70		32 - 120
2,4,6-Tribromophenol	90		31 - 126
Terphenyl-d14	26		10 - 120

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-RB**

Lab Sample ID: 560-16836-3RB

Client Matrix: Water

Date Sampled: 08/14/2009 1015

Date Received: 08/15/2009 0945

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-38959		Instrument ID:	SVGCMS#2
Preparation:	3520C	Prep Batch: 560-38943		Lab File ID:	08190921.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	08/19/2009 1725			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	<1.0		1.0	10
Bis(2-chloroethyl)ether	<0.70		0.70	10
2-Chlorophenol	<1.0		1.0	10
1,3-Dichlorobenzene	<1.0		1.0	10
1,4-Dichlorobenzene	<1.0		1.0	10
Benzyl alcohol	<1.4		1.4	10
1,2-Dichlorobenzene	<1.0		1.0	10
2-Methylphenol	<0.50		0.50	10
3 & 4 Methylphenol	<2.0		2.0	20
N-Nitrosodi-n-propylamine	<0.65		0.65	10
Hexachloroethane	<0.58		0.58	10
Nitrobenzene	<0.50		0.50	10
Isophorone	<0.63		0.63	10
2-Nitrophenol	<1.0		1.0	10
2,4-Dimethylphenol	<0.56		0.56	10
Bis(2-chloroethoxy)methane	<0.59		0.59	10
2,4-Dichlorophenol	<1.0		1.0	10
1,2,4-Trichlorobenzene	<1.0		1.0	10
Naphthalene	<0.50		0.50	10
4-Chloroaniline	<0.50		0.50	10
Hexachlorobutadiene	<1.0		1.0	10
4-Chloro-3-methylphenol	<1.0		1.0	10
2-Methylnaphthalene	<0.50		0.50	10
Hexachlorocyclopentadiene	<1.3		1.3	10
2,4,6-Trichlorophenol	<1.0		1.0	10
2,4,5-Trichlorophenol	<1.0		1.0	10
2-Chloronaphthalene	<0.50		0.50	10
2-Nitroaniline	<1.0	*	1.0	10
Dimethyl phthalate	<0.55		0.55	10
Acenaphthylene	<0.50		0.50	10
2,6-Dinitrotoluene	<1.0		1.0	10
3-Nitroaniline	<1.8		1.8	10
Acenaphthene	<0.57		0.57	10
2,4-Dinitrophenol	<5.0		5.0	10
4-Nitrophenol	<5.0		5.0	10
Dibenzofuran	<0.51		0.51	10
2,4-Dinitrotoluene	<1.0		1.0	10
Diethyl phthalate	<0.52		0.52	10
Fluorene	<0.61		0.61	10
4-Chlorophenyl phenyl ether	<0.52		0.52	10
4-Nitroaniline	<1.5		1.5	10
4,6-Dinitro-2-methylphenol	<5.0		5.0	10
N-Nitrosodiphenylamine	<0.51		0.51	10
4-Bromophenyl phenyl ether	<0.74		0.74	10
Hexachlorobenzene	<0.65		0.65	10
Phenanthrene	<0.51		0.51	10

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-RB**

Lab Sample ID: 560-16836-3RB

Client Matrix: Water

Date Sampled: 08/14/2009 1015

Date Received: 08/15/2009 0945

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-38959		Instrument ID:	SVGCMS#2
Preparation:	3520C	Prep Batch: 560-38943		Lab File ID:	08190921.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	08/19/2009 1725			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Anthracene	<0.50		0.50	10
Di-n-butyl phthalate	<0.50		0.50	10
Fluoranthene	<0.50		0.50	10
Pyrene	<0.50	*	0.50	10
Butyl benzyl phthalate	<1.0		1.0	10
Benzo[a]anthracene	<0.50		0.50	10
Chrysene	<0.50		0.50	10
Bis(2-ethylhexyl) phthalate	<1.9		1.9	10
Di-n-octyl phthalate	<2.0		2.0	10
Benzo[b]fluoranthene	<0.50		0.50	10
Benzo[k]fluoranthene	<0.50		0.50	10
Benzo[a]pyrene	<0.50	*	0.50	10
Indeno[1,2,3-cd]pyrene	<0.50		0.50	10
Dibenz(a,h)anthracene	<0.50		0.50	10
Benzo[g,h,i]perylene	<0.50		0.50	10
3,3'-Dichlorobenzidine	<0.50		0.50	10
Pentachlorophenol	<2.0		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	60		10 - 120
Phenol-d5	66		12 - 120
Nitrobenzene-d5	70		36 - 120
2-Fluorobiphenyl	62		32 - 120
2,4,6-Tribromophenol	82		31 - 126
Terphenyl-d14	96		10 - 120

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-FB**

Lab Sample ID: 560-16836-4FB

Client Matrix: Water

Date Sampled: 08/14/2009 1030

Date Received: 08/15/2009 0945

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-38959		Instrument ID:	SVGCMS#2
Preparation:	3520C	Prep Batch: 560-38943		Lab File ID:	08190922.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	08/19/2009 1750			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	<1.0		1.0	10
Bis(2-chloroethyl)ether	<0.70		0.70	10
2-Chlorophenol	<1.0		1.0	10
1,3-Dichlorobenzene	<1.0		1.0	10
1,4-Dichlorobenzene	<1.0		1.0	10
Benzyl alcohol	<1.4		1.4	10
1,2-Dichlorobenzene	<1.0		1.0	10
2-Methylphenol	<0.50		0.50	10
3 & 4 Methylphenol	<2.0		2.0	20
N-Nitrosodi-n-propylamine	<0.65		0.65	10
Hexachloroethane	<0.58		0.58	10
Nitrobenzene	<0.50		0.50	10
Isophorone	<0.63		0.63	10
2-Nitrophenol	<1.0		1.0	10
2,4-Dimethylphenol	<0.56		0.56	10
Bis(2-chloroethoxy)methane	<0.59		0.59	10
2,4-Dichlorophenol	<1.0		1.0	10
1,2,4-Trichlorobenzene	<1.0		1.0	10
Naphthalene	<0.50		0.50	10
4-Chloroaniline	<0.50		0.50	10
Hexachlorobutadiene	<1.0		1.0	10
4-Chloro-3-methylphenol	<1.0		1.0	10
2-Methylnaphthalene	<0.50		0.50	10
Hexachlorocyclopentadiene	<1.3		1.3	10
2,4,6-Trichlorophenol	<1.0		1.0	10
2,4,5-Trichlorophenol	<1.0		1.0	10
2-Chloronaphthalene	<0.50		0.50	10
2-Nitroaniline	<1.0	*	1.0	10
Dimethyl phthalate	<0.55		0.55	10
Acenaphthylene	<0.50		0.50	10
2,6-Dinitrotoluene	<1.0		1.0	10
3-Nitroaniline	<1.8		1.8	10
Acenaphthene	<0.57		0.57	10
2,4-Dinitrophenol	<5.0		5.0	10
4-Nitrophenol	<5.0		5.0	10
Dibenzofuran	<0.51		0.51	10
2,4-Dinitrotoluene	<1.0		1.0	10
Diethyl phthalate	<0.52		0.52	10
Fluorene	<0.61		0.61	10
4-Chlorophenyl phenyl ether	<0.52		0.52	10
4-Nitroaniline	<1.5		1.5	10
4,6-Dinitro-2-methylphenol	<5.0		5.0	10
N-Nitrosodiphenylamine	<0.51		0.51	10
4-Bromophenyl phenyl ether	<0.74		0.74	10
Hexachlorobenzene	<0.65		0.65	10
Phenanthrene	<0.51		0.51	10

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-FB**

Lab Sample ID: 560-16836-4FB

Client Matrix: Water

Date Sampled: 08/14/2009 1030

Date Received: 08/15/2009 0945

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-38959		Instrument ID:	SVGCMS#2
Preparation:	3520C	Prep Batch: 560-38943		Lab File ID:	08190922.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Date Analyzed:	08/19/2009 1750			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Anthracene	<0.50		0.50	10
Di-n-butyl phthalate	<0.50		0.50	10
Fluoranthene	<0.50		0.50	10
Pyrene	<0.50	*	0.50	10
Butyl benzyl phthalate	<1.0		1.0	10
Benzo[a]anthracene	<0.50		0.50	10
Chrysene	<0.50		0.50	10
Bis(2-ethylhexyl) phthalate	<1.9		1.9	10
Di-n-octyl phthalate	<2.0		2.0	10
Benzo[b]fluoranthene	<0.50		0.50	10
Benzo[k]fluoranthene	<0.50		0.50	10
Benzo[a]pyrene	<0.50	*	0.50	10
Indeno[1,2,3-cd]pyrene	<0.50		0.50	10
Dibenz(a,h)anthracene	<0.50		0.50	10
Benzo[g,h,i]perylene	<0.50		0.50	10
3,3'-Dichlorobenzidine	<0.50		0.50	10
Pentachlorophenol	<2.0		2.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	50		10 - 120
Phenol-d5	56		12 - 120
Nitrobenzene-d5	62		36 - 120
2-Fluorobiphenyl	50		32 - 120
2,4,6-Tribromophenol	73		31 - 126
Terphenyl-d14	96		10 - 120

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-G3-DUP**

Lab Sample ID: 560-16836-2FD

Client Matrix: Water

Date Sampled: 08/14/2009 0835

Date Received: 08/15/2009 0945

8081B Organochlorine Pesticides by Gas Chromatography

Method:	8081B	Analysis Batch: 560-39026		Instrument ID:	SVGC#1
Preparation:	3520C	Prep Batch: 560-39009		Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	08/20/2009 1731			Injection Volume:	1 uL
Date Prepared:	08/19/2009 1100			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	<0.0028		0.0028	0.048
4,4'-DDE	<0.0025		0.0025	0.048
4,4'-DDT	<0.0033		0.0033	0.048
Aldrin	<0.0024		0.0024	0.048
alpha-BHC	<0.0054		0.0054	0.048
alpha-Chlordane	<0.0037		0.0037	0.048
beta-BHC	<0.0054		0.0054	0.048
delta-BHC	<0.0024		0.0024	0.048
Dieldrin	<0.0080		0.0080	0.048
Endosulfan I	<0.0086		0.0086	0.048
Endosulfan II	<0.0034		0.0034	0.048
Endosulfan sulfate	<0.0038		0.0038	0.048
Endrin	<0.0024		0.0024	0.048
Endrin aldehyde	<0.0042		0.0042	0.048
Endrin ketone	<0.0070		0.0070	0.048
gamma-BHC (Lindane)	<0.0026		0.0026	0.048
gamma-Chlordane	<0.0045		0.0045	0.048
Heptachlor epoxide	<0.0027		0.0027	0.048
Methoxychlor	<0.022		0.022	0.048
Toxaphene	<0.28		0.28	0.96

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	14		10 - 152
Tetrachloro-m-xylene	60		57 - 127

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-G3-DUP**

Lab Sample ID: 560-16836-2FD

Client Matrix: Water

Date Sampled: 08/14/2009 0835

Date Received: 08/15/2009 0945

8081B Organochlorine Pesticides by Gas Chromatography

Method:	8081B	Analysis Batch: 560-39027		Instrument ID:	SVGC#1
Preparation:	3520C	Prep Batch: 560-39009		Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	08/20/2009 1731			Injection Volume:	1 uL
Date Prepared:	08/19/2009 1100			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chlordane (technical)	<0.030		0.030	0.48

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-G3-DUP**

Lab Sample ID: 560-16836-2FD

Client Matrix: Water

Date Sampled: 08/14/2009 0835

Date Received: 08/15/2009 0945

8081B Organochlorine Pesticides by Gas Chromatography

Method:	8081B	Analysis Batch: 560-39342		Instrument ID:	SVGC#1
Preparation:	3520C	Prep Batch: 560-39009		Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	08/28/2009 1229			Injection Volume:	1 uL
Date Prepared:	08/19/2009 1100			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Heptachlor	<0.0057		0.0057	0.048

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	12		10 - 152
Tetrachloro-m-xylene	73		57 - 127

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-RB**

Lab Sample ID: 560-16836-3RB

Client Matrix: Water

Date Sampled: 08/14/2009 1015

Date Received: 08/15/2009 0945

8081B Organochlorine Pesticides by Gas Chromatography

Method:	8081B	Analysis Batch: 560-39026		Instrument ID:	SVGC#1
Preparation:	3520C	Prep Batch: 560-39009		Initial Weight/Volume:	1030 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	08/20/2009 1818			Injection Volume:	1 uL
Date Prepared:	08/19/2009 1100			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	<0.0028		0.0028	0.049
4,4'-DDE	<0.0025		0.0025	0.049
4,4'-DDT	<0.0033		0.0033	0.049
Aldrin	<0.0024		0.0024	0.049
alpha-BHC	<0.0054		0.0054	0.049
alpha-Chlordane	<0.0037		0.0037	0.049
beta-BHC	<0.0054		0.0054	0.049
delta-BHC	<0.0024		0.0024	0.049
Dieldrin	<0.0081		0.0081	0.049
Endosulfan I	<0.0086		0.0086	0.049
Endosulfan II	<0.0034		0.0034	0.049
Endosulfan sulfate	<0.0038		0.0038	0.049
Endrin	<0.0024		0.0024	0.049
Endrin aldehyde	<0.0043		0.0043	0.049
Endrin ketone	<0.0071		0.0071	0.049
gamma-BHC (Lindane)	<0.0026		0.0026	0.049
gamma-Chlordane	<0.0046		0.0046	0.049
Heptachlor epoxide	<0.0027		0.0027	0.049
Methoxychlor	<0.023		0.023	0.049
Toxaphene	<0.28		0.28	0.97

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	52		10 - 152
Tetrachloro-m-xylene	86		57 - 127

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-RB**

Lab Sample ID: 560-16836-3RB

Client Matrix: Water

Date Sampled: 08/14/2009 1015

Date Received: 08/15/2009 0945

8081B Organochlorine Pesticides by Gas Chromatography

Method:	8081B	Analysis Batch: 560-39027		Instrument ID:	SVGC#1
Preparation:	3520C	Prep Batch: 560-39009		Initial Weight/Volume:	1030 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	08/20/2009 1818			Injection Volume:	1 uL
Date Prepared:	08/19/2009 1100			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chlordane (technical)	<0.030		0.030	0.49

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-RB**

Lab Sample ID: 560-16836-3RB

Client Matrix: Water

Date Sampled: 08/14/2009 1015

Date Received: 08/15/2009 0945

8081B Organochlorine Pesticides by Gas Chromatography

Method:	8081B	Analysis Batch: 560-39342		Instrument ID:	SVGC#1
Preparation:	3520C	Prep Batch: 560-39009		Initial Weight/Volume:	1030 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	08/28/2009 1316			Injection Volume:	1 uL
Date Prepared:	08/19/2009 1100			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Heptachlor	<0.0057		0.0057	0.049

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	56		10 - 152
Tetrachloro-m-xylene	95		57 - 127

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-FB**

Lab Sample ID: 560-16836-4FB

Client Matrix: Water

Date Sampled: 08/14/2009 1030

Date Received: 08/15/2009 0945

8081B Organochlorine Pesticides by Gas Chromatography

Method:	8081B	Analysis Batch: 560-39026		Instrument ID:	SVGC#1
Preparation:	3520C	Prep Batch: 560-39009		Initial Weight/Volume:	1010 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	08/20/2009 1841			Injection Volume:	1 uL
Date Prepared:	08/19/2009 1100			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	<0.0029		0.0029	0.050
4,4'-DDE	<0.0026		0.0026	0.050
4,4'-DDT	<0.0034		0.0034	0.050
Aldrin	<0.0025		0.0025	0.050
alpha-BHC	<0.0055		0.0055	0.050
alpha-Chlordane	<0.0038		0.0038	0.050
beta-BHC	<0.0055		0.0055	0.050
delta-BHC	<0.0025		0.0025	0.050
Dieldrin	<0.0082		0.0082	0.050
Endosulfan I	<0.0088		0.0088	0.050
Endosulfan II	<0.0035		0.0035	0.050
Endosulfan sulfate	<0.0039		0.0039	0.050
Endrin	<0.0025		0.0025	0.050
Endrin aldehyde	<0.0044		0.0044	0.050
Endrin ketone	<0.0072		0.0072	0.050
gamma-BHC (Lindane)	<0.0027		0.0027	0.050
gamma-Chlordane	<0.0047		0.0047	0.050
Heptachlor epoxide	<0.0028		0.0028	0.050
Methoxychlor	<0.023		0.023	0.050
Toxaphene	<0.28		0.28	0.99

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	65		10 - 152
Tetrachloro-m-xylene	94		57 - 127

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-FB**

Lab Sample ID: 560-16836-4FB

Client Matrix: Water

Date Sampled: 08/14/2009 1030

Date Received: 08/15/2009 0945

8081B Organochlorine Pesticides by Gas Chromatography

Method:	8081B	Analysis Batch: 560-39027		Instrument ID:	SVGC#1
Preparation:	3520C	Prep Batch: 560-39009		Initial Weight/Volume:	1010 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	08/20/2009 1841			Injection Volume:	1 uL
Date Prepared:	08/19/2009 1100			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chlordane (technical)	<0.031		0.031	0.50

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-FB**

Lab Sample ID: 560-16836-4FB

Client Matrix: Water

Date Sampled: 08/14/2009 1030

Date Received: 08/15/2009 0945

8081B Organochlorine Pesticides by Gas Chromatography

Method:	8081B	Analysis Batch: 560-39342		Instrument ID:	SVGC#1
Preparation:	3520C	Prep Batch: 560-39009		Initial Weight/Volume:	1010 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	08/28/2009 1339			Injection Volume:	1 uL
Date Prepared:	08/19/2009 1100			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Heptachlor	0.11		0.0058	0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	74		10 - 152
Tetrachloro-m-xylene	102		57 - 127

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-G3-DUP**

Lab Sample ID: 560-16836-2FD

Client Matrix: Water

Date Sampled: 08/14/2009 0835

Date Received: 08/15/2009 0945

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 600-19668		Instrument ID:	ECD08
Preparation:	8151A	Prep Batch: 600-19540		Initial Weight/Volume:	1005 mL
Dilution:	10			Final Weight/Volume:	5.00 mL
Date Analyzed:	08/20/2009 1059			Injection Volume:	1.0 uL
Date Prepared:	08/18/2009 1652			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dalapon	<10		10	100
Dicamba	<0.10		0.10	2.0
MCPP	<26		26	200
MCPA	<58		58	200
Dichlorprop	<0.30		0.30	2.0
2,4-D	<0.40		0.40	2.0
Silvex (2,4,5-TP)	<0.20		0.20	2.0
2,4,5-T	<0.20		0.20	2.0
2,4-DB	<0.50		0.50	2.0
Dinoseb	<0.20		0.20	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid (Surr)	94		10 - 125.2

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-RB**

Lab Sample ID: 560-16836-3RB

Client Matrix: Water

Date Sampled: 08/14/2009 1015

Date Received: 08/15/2009 0945

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 600-19668		Instrument ID:	ECD08
Preparation:	8151A	Prep Batch: 600-19540		Initial Weight/Volume:	1010 mL
Dilution:	10			Final Weight/Volume:	5.00 mL
Date Analyzed:	08/20/2009 1156			Injection Volume:	1.0 uL
Date Prepared:	08/18/2009 1652			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dalapon	<9.9		9.9	99
Dicamba	<0.099		0.099	2.0
MCPP	<26		26	200
MCPA	<57		57	200
Dichlorprop	<0.30		0.30	2.0
2,4-D	<0.40		0.40	2.0
Silvex (2,4,5-TP)	<0.20		0.20	2.0
2,4,5-T	<0.20		0.20	2.0
2,4-DB	<0.50		0.50	2.0
Dinoseb	<0.20		0.20	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid (Surr)	102		10 - 125.2

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-FB**

Lab Sample ID: 560-16836-4FB

Client Matrix: Water

Date Sampled: 08/14/2009 1030

Date Received: 08/15/2009 0945

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 600-19668		Instrument ID:	ECD08
Preparation:	8151A	Prep Batch: 600-19540		Initial Weight/Volume:	1010 mL
Dilution:	10			Final Weight/Volume:	5.00 mL
Date Analyzed:	08/20/2009 1224			Injection Volume:	1.0 uL
Date Prepared:	08/18/2009 1652			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dalapon	<9.9		9.9	99
Dicamba	<0.099		0.099	2.0
MCPP	<26		26	200
MCPA	<57		57	200
Dichlorprop	<0.30		0.30	2.0
2,4-D	<0.40		0.40	2.0
Silvex (2,4,5-TP)	<0.20		0.20	2.0
2,4,5-T	<0.20		0.20	2.0
2,4-DB	<0.50		0.50	2.0
Dinoseb	<0.20		0.20	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid (Surr)	109		10 - 125.2

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-G3-DUP**

Lab Sample ID: 560-16836-2FD

Client Matrix: Water

Date Sampled: 08/14/2009 0835

Date Received: 08/15/2009 0945

TX 1005 Texas - Total Petroleum Hydrocarbon (GC)

Method:	TX 1005	Analysis Batch: 560-39040	Instrument ID:	SVGC#4
Preparation:	TX_1005_W_Prep	Prep Batch: 560-39000	Lab File ID:	08190977.D
Dilution:	1.0		Initial Weight/Volume:	33.25 mL
Date Analyzed:	08/20/2009 0420		Final Weight/Volume:	3 mL
Date Prepared:	08/19/2009 1547		Injection Volume:	

Analyte	Result (mg/L)	Qualifier	MDL	RL
Over C12-C28	1.2	J	0.42	4.5
Over C28-C35	<0.42		0.42	4.5
C6-C12	0.63	J	0.42	4.5
C6-C35	1.8	J	0.42	4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl (Surr)	98		70 - 130
1-Chlorooctane (Surr)	88		70 - 130

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-RB**

Lab Sample ID: 560-16836-3RB

Client Matrix: Water

Date Sampled: 08/14/2009 1015

Date Received: 08/15/2009 0945

TX 1005 Texas - Total Petroleum Hydrocarbon (GC)

Method:	TX 1005	Analysis Batch: 560-39040	Instrument ID:	SVGC#4
Preparation:	TX_1005_W_Prep	Prep Batch: 560-39000	Lab File ID:	08190980.D
Dilution:	1.0		Initial Weight/Volume:	33.20 mL
Date Analyzed:	08/20/2009 0445		Final Weight/Volume:	3 mL
Date Prepared:	08/19/2009 1547		Injection Volume:	

Analyte	Result (mg/L)	Qualifier	MDL	RL
Over C12-C28	<0.42		0.42	4.5
Over C28-C35	<0.42		0.42	4.5
C6-C12	0.43	J	0.42	4.5
C6-C35	0.43	J	0.42	4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl (Surr)	95		70 - 130
1-Chlorooctane (Surr)	87		70 - 130

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-FB**

Lab Sample ID: 560-16836-4FB

Client Matrix: Water

Date Sampled: 08/14/2009 1030

Date Received: 08/15/2009 0945

TX 1005 Texas - Total Petroleum Hydrocarbon (GC)

Method:	TX 1005	Analysis Batch: 560-39040	Instrument ID:	SVGC#4
Preparation:	TX_1005_W_Prep	Prep Batch: 560-39000	Lab File ID:	08190981.D
Dilution:	1.0		Initial Weight/Volume:	32.53 mL
Date Analyzed:	08/20/2009 0454		Final Weight/Volume:	3 mL
Date Prepared:	08/19/2009 1547		Injection Volume:	

Analyte	Result (mg/L)	Qualifier	MDL	RL
Over C12-C28	<0.43		0.43	4.6
Over C28-C35	<0.43		0.43	4.6
C6-C12	<0.43		0.43	4.6
C6-C35	<0.43		0.43	4.6

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl (Surr)	91		70 - 130
1-Chlorooctane (Surr)	82		70 - 130

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-G3-DUP**

Lab Sample ID: 560-16836-2FD

Client Matrix: Water

Date Sampled: 08/14/2009 0835

Date Received: 08/15/2009 0945

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 560-38968		Instrument ID:	Micpms
Preparation:	3010A	Prep Batch: 560-38931		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/18/2009 1910			Final Weight/Volume:	50 mL
Date Prepared:	08/18/2009 0830				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Silver	<0.00094		0.00094	0.0050
Arsenic	0.0083		0.0015	0.0050
Cadmium	<0.00085		0.00085	0.0025
Chromium	0.0045	J	0.0014	0.0050
Lead	0.0031	J	0.0020	0.0050
Selenium	0.0021	J	0.0011	0.0050

Method:	6020	Analysis Batch: 560-39099		Instrument ID:	Micpms
Preparation:	3010A	Prep Batch: 560-38931		Lab File ID:	N/A
Dilution:	5.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/21/2009 1909			Final Weight/Volume:	50 mL
Date Prepared:	08/18/2009 0830				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Barium	4.5		0.0060	0.025

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 560-39042		Instrument ID:	Mhg1
Preparation:	7470A	Prep Batch: 560-39050		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/20/2009 1300			Final Weight/Volume:	50 mL
Date Prepared:	08/20/2009 0800				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	<0.00013		0.00013	0.0020

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-RB**

Lab Sample ID: 560-16836-3RB

Client Matrix: Water

Date Sampled: 08/14/2009 1015

Date Received: 08/15/2009 0945

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 560-38922		Instrument ID:	Micpms
Preparation:	3010A	Prep Batch: 560-38884		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/17/2009 1600			Final Weight/Volume:	50 mL
Date Prepared:	08/17/2009 0830				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Silver	<0.00094		0.00094	0.0050
Arsenic	<0.0015		0.0015	0.0050
Barium	<0.0012		0.0012	0.0050
Cadmium	<0.00085		0.00085	0.0025
Chromium	<0.0014		0.0014	0.0050
Lead	<0.0020		0.0020	0.0050
Selenium	<0.0011		0.0011	0.0050

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 560-39023		Instrument ID:	Mhg1
Preparation:	7470A	Prep Batch: 560-39032		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/19/2009 1800			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2009 1000				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	<0.00013		0.00013	0.0020

Client: ARGO Systems LLC

Job Number: 560-16836-1

Client Sample ID: **LF-LEC-FB**

Lab Sample ID: 560-16836-4FB

Client Matrix: Water

Date Sampled: 08/14/2009 1030

Date Received: 08/15/2009 0945

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 560-38922		Instrument ID:	Micpms
Preparation:	3010A	Prep Batch: 560-38884		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/17/2009 1605			Final Weight/Volume:	50 mL
Date Prepared:	08/17/2009 0830				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Silver	<0.00094		0.00094	0.0050
Arsenic	<0.0015		0.0015	0.0050
Barium	<0.0012		0.0012	0.0050
Cadmium	<0.00085		0.00085	0.0025
Chromium	<0.0014		0.0014	0.0050
Lead	<0.0020		0.0020	0.0050
Selenium	<0.0011		0.0011	0.0050

7470A Mercury (CVAA)

Method:	7470A	Analysis Batch: 560-39023		Instrument ID:	Mhg1
Preparation:	7470A	Prep Batch: 560-39032		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/19/2009 1802			Final Weight/Volume:	50 mL
Date Prepared:	08/19/2009 1000				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	<0.00013		0.00013	0.0020

General Chemistry

Client Sample ID: **LF-LEC-G3-DUP**

Lab Sample ID: 560-16836-2FD

Client Matrix: Water

Date Sampled: 08/14/2009 0835

Date Received: 08/15/2009 0945

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	480		mg/L	0.57	2.0	2.0	415.1

Analysis Batch: 560-38990 Date Analyzed: 08/18/2009 1112

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH	6.2	HF	SU	0.10	0.10	1.0	9040C

Analysis Batch: 560-39048 Date Analyzed: 08/17/2009 0900

General Chemistry

Client Sample ID: **LF-LEC-RB**

Lab Sample ID: 560-16836-3RB

Client Matrix: Water

Date Sampled: 08/14/2009 1015

Date Received: 08/15/2009 0945

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	1.6		mg/L	0.28	1.0	1.0	415.1

Analysis Batch: 560-38990 Date Analyzed: 08/18/2009 1112

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH	7.2	HF	SU	0.10	0.10	1.0	9040C

Analysis Batch: 560-39048 Date Analyzed: 08/17/2009 0900

General Chemistry

Client Sample ID: **LF-LEC-FB**

Lab Sample ID: 560-16836-4FB Date Sampled: 08/14/2009 1030
Client Matrix: Water Date Received: 08/15/2009 0945

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	0.71	J	mg/L	0.28	1.0	1.0	415.1

Analysis Batch: 560-38990 Date Analyzed: 08/18/2009 1112

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH	5.6	HF	SU	0.10	0.10	1.0	9040C

Analysis Batch: 560-39048 Date Analyzed: 08/17/2009 0900

DATA REPORTING QUALIFIERS

Client: ARGO Systems LLC

Job Number: 560-16836-1

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
GC/MS Semi VOA		
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate exceeds the control limits
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
Metals		
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

DATA REPORTING QUALIFIERS

Client: ARGO Systems LLC

Job Number: 560-16836-1

Lab Section	Qualifier	Description
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARGO Systems LLC

Job Number: 560-16836-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:560-38897					
LCS 560-38897/3	Lab Control Sample	T	Water	8260B	
MB 560-38897/8	Method Blank	T	Water	8260B	
560-16836-1TB	Trip Blank	T	Water	8260B	
Analysis Batch:560-38942					
LCS 560-38942/3	Lab Control Sample	T	Water	8260B	
MB 560-38942/8	Method Blank	T	Water	8260B	
560-16836-2FD	LF-LEC-G3-DUP	T	Water	8260B	
560-16836-2MS	Matrix Spike	T	Water	8260B	
560-16836-2MSD	Matrix Spike Duplicate	T	Water	8260B	
560-16836-3RB	LF-LEC-RB	T	Water	8260B	
560-16836-4FB	LF-LEC-FB	T	Water	8260B	

Report Basis

T = Total

GC/MS Semi VOA					
Prep Batch: 560-38943					
LCS 560-38943/2-A	Lab Control Sample	T	Water	3520C	
LCSD 560-38943/3-A	Lab Control Sample Duplicate	T	Water	3520C	
MB 560-38943/1-A	Method Blank	T	Water	3520C	
560-16836-2FD	LF-LEC-G3-DUP	T	Water	3520C	
560-16836-2MS	Matrix Spike	T	Water	3520C	
560-16836-3RB	LF-LEC-RB	T	Water	3520C	
560-16836-4FB	LF-LEC-FB	T	Water	3520C	
Analysis Batch:560-38959					
LCS 560-38943/2-A	Lab Control Sample	T	Water	8270C	560-38943
LCSD 560-38943/3-A	Lab Control Sample Duplicate	T	Water	8270C	560-38943
MB 560-38943/1-A	Method Blank	T	Water	8270C	560-38943
560-16836-2FD	LF-LEC-G3-DUP	T	Water	8270C	560-38943
560-16836-2MS	Matrix Spike	T	Water	8270C	560-38943
560-16836-3RB	LF-LEC-RB	T	Water	8270C	560-38943
560-16836-4FB	LF-LEC-FB	T	Water	8270C	560-38943

Report Basis

T = Total

Client: ARGO Systems LLC

Job Number: 560-16836-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 600-19540					
LCS 600-19540/2-A	Lab Control Sample	T	Water	8151A	
LCSD 600-19540/3-A	Lab Control Sample Duplicate	T	Water	8151A	
MB 600-19540/1-A	Method Blank	T	Water	8151A	
560-16836-2FD	LF-LEC-G3-DUP	T	Water	8151A	
560-16836-2MS	Matrix Spike	T	Water	8151A	
560-16836-3RB	LF-LEC-RB	T	Water	8151A	
560-16836-4FB	LF-LEC-FB	T	Water	8151A	
Analysis Batch:600-19668					
LCS 600-19540/2-A	Lab Control Sample	T	Water	8151A	600-19540
LCSD 600-19540/3-A	Lab Control Sample Duplicate	T	Water	8151A	600-19540
MB 600-19540/1-A	Method Blank	T	Water	8151A	600-19540
560-16836-2FD	LF-LEC-G3-DUP	T	Water	8151A	600-19540
560-16836-2MS	Matrix Spike	T	Water	8151A	600-19540
560-16836-3RB	LF-LEC-RB	T	Water	8151A	600-19540
560-16836-4FB	LF-LEC-FB	T	Water	8151A	600-19540
Prep Batch: 560-39000					
LCS 560-39000/2-A	Lab Control Sample	T	Water	TX_1005_W_Pre	
LCSD 560-39000/3-A	Lab Control Sample Duplicate	T	Water	TX_1005_W_Pre	
MB 560-39000/1-A	Method Blank	T	Water	TX_1005_W_Pre	
560-16836-2FD	LF-LEC-G3-DUP	T	Water	TX_1005_W_Pre	
560-16836-2MS	Matrix Spike	T	Water	TX_1005_W_Pre	
560-16836-2MSD	Matrix Spike Duplicate	T	Water	TX_1005_W_Pre	
560-16836-3RB	LF-LEC-RB	T	Water	TX_1005_W_Pre	
560-16836-4FB	LF-LEC-FB	T	Water	TX_1005_W_Pre	
Prep Batch: 560-39009					
LCS 560-39009/4-A	Lab Control Sample	T	Water	3520C	
LCS 560-39009/6-A	Lab Control Sample	T	Water	3520C	
LCSD 560-39009/5-A	Lab Control Sample Duplicate	T	Water	3520C	
LCSD 560-39009/7-A	Lab Control Sample Duplicate	T	Water	3520C	
MB 560-39009/1-A	Method Blank	T	Water	3520C	
560-16836-2FD	LF-LEC-G3-DUP	T	Water	3520C	
560-16836-2MS	Matrix Spike	T	Water	3520C	
560-16836-3RB	LF-LEC-RB	T	Water	3520C	
560-16836-4FB	LF-LEC-FB	T	Water	3520C	

Client: ARGO Systems LLC

Job Number: 560-16836-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:560-39026					
LCS 560-39009/6-A	Lab Control Sample	T	Water	8081B	560-39009
LCSD 560-39009/7-A	Lab Control Sample Duplicate	T	Water	8081B	560-39009
MB 560-39009/1-A	Method Blank	T	Water	8081B	560-39009
560-16836-2FD	LF-LEC-G3-DUP	T	Water	8081B	560-39009
560-16836-2MS	Matrix Spike	T	Water	8081B	560-39009
560-16836-3RB	LF-LEC-RB	T	Water	8081B	560-39009
560-16836-4FB	LF-LEC-FB	T	Water	8081B	560-39009
Analysis Batch:560-39027					
LCS 560-39009/4-A	Lab Control Sample	T	Water	8081B	560-39009
LCSD 560-39009/5-A	Lab Control Sample Duplicate	T	Water	8081B	560-39009
MB 560-39009/1-A	Method Blank	T	Water	8081B	560-39009
560-16836-2FD	LF-LEC-G3-DUP	T	Water	8081B	560-39009
560-16836-3RB	LF-LEC-RB	T	Water	8081B	560-39009
560-16836-4FB	LF-LEC-FB	T	Water	8081B	560-39009
Analysis Batch:560-39040					
LCS 560-39000/2-A	Lab Control Sample	T	Water	TX 1005	560-39000
LCSD 560-39000/3-A	Lab Control Sample Duplicate	T	Water	TX 1005	560-39000
MB 560-39000/1-A	Method Blank	T	Water	TX 1005	560-39000
560-16836-2FD	LF-LEC-G3-DUP	T	Water	TX 1005	560-39000
560-16836-2MS	Matrix Spike	T	Water	TX 1005	560-39000
560-16836-2MSD	Matrix Spike Duplicate	T	Water	TX 1005	560-39000
560-16836-3RB	LF-LEC-RB	T	Water	TX 1005	560-39000
560-16836-4FB	LF-LEC-FB	T	Water	TX 1005	560-39000
Analysis Batch:560-39342					
560-16836-2FD	LF-LEC-G3-DUP	T	Water	8081B	560-39009
560-16836-2MS	Matrix Spike	T	Water	8081B	560-39009
560-16836-3RB	LF-LEC-RB	T	Water	8081B	560-39009
560-16836-4FB	LF-LEC-FB	T	Water	8081B	560-39009

Report Basis

T = Total

Client: ARGO Systems LLC

Job Number: 560-16836-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 560-38884					
LCS 560-38884/2-A	Lab Control Sample	T	Water	3010A	
MB 560-38884/1-A	Method Blank	T	Water	3010A	
560-16836-3RB	LF-LEC-RB	T	Water	3010A	
560-16836-4FB	LF-LEC-FB	T	Water	3010A	
Analysis Batch:560-38922					
LCS 560-38884/2-A	Lab Control Sample	T	Water	6020	560-38884
MB 560-38884/1-A	Method Blank	T	Water	6020	560-38884
560-16836-3RB	LF-LEC-RB	T	Water	6020	560-38884
560-16836-4FB	LF-LEC-FB	T	Water	6020	560-38884
Prep Batch: 560-38931					
LCS 560-38931/2-A	Lab Control Sample	T	Water	3010A	
MB 560-38931/1-A	Method Blank	T	Water	3010A	
560-16836-2FD	LF-LEC-G3-DUP	T	Water	3010A	
560-16836-2MS	Matrix Spike	T	Water	3010A	
560-16836-2MSD	Matrix Spike Duplicate	T	Water	3010A	
Analysis Batch:560-38968					
LCS 560-38931/2-A	Lab Control Sample	T	Water	6020	560-38931
MB 560-38931/1-A	Method Blank	T	Water	6020	560-38931
560-16836-2FD	LF-LEC-G3-DUP	T	Water	6020	560-38931
560-16836-2MS	Matrix Spike	T	Water	6020	560-38931
560-16836-2MSD	Matrix Spike Duplicate	T	Water	6020	560-38931
Analysis Batch:560-39023					
LCS 560-39032/5-A	Lab Control Sample	T	Water	7470A	560-39032
MB 560-39032/4-A	Method Blank	T	Water	7470A	560-39032
560-16836-3RB	LF-LEC-RB	T	Water	7470A	560-39032
560-16836-4FB	LF-LEC-FB	T	Water	7470A	560-39032
Prep Batch: 560-39032					
LCS 560-39032/5-A	Lab Control Sample	T	Water	7470A	
MB 560-39032/4-A	Method Blank	T	Water	7470A	
560-16836-3RB	LF-LEC-RB	T	Water	7470A	
560-16836-4FB	LF-LEC-FB	T	Water	7470A	
Analysis Batch:560-39042					
LCS 560-39050/5-A	Lab Control Sample	T	Water	7470A	560-39050
MB 560-39050/4-A	Method Blank	T	Water	7470A	560-39050
560-16836-2FD	LF-LEC-G3-DUP	T	Water	7470A	560-39050
560-16836-2MS	Matrix Spike	T	Water	7470A	560-39050
560-16836-2MSD	Matrix Spike Duplicate	T	Water	7470A	560-39050

Client: ARGO Systems LLC

Job Number: 560-16836-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 560-39050					
LCS 560-39050/5-A	Lab Control Sample	T	Water	7470A	
MB 560-39050/4-A	Method Blank	T	Water	7470A	
560-16836-2FD	LF-LEC-G3-DUP	T	Water	7470A	
560-16836-2MS	Matrix Spike	T	Water	7470A	
560-16836-2MSD	Matrix Spike Duplicate	T	Water	7470A	
Analysis Batch:560-39099					
560-16836-2FD	LF-LEC-G3-DUP	T	Water	6020	560-38931

Report Basis

T = Total

General Chemistry					
Analysis Batch:560-38990					
LCS 560-38990/4	Lab Control Sample	T	Water	415.1	
MB 560-38990/3	Method Blank	T	Water	415.1	
560-16836-2FD	LF-LEC-G3-DUP	T	Water	415.1	
560-16836-2MS	Matrix Spike	T	Water	415.1	
560-16836-2MSD	Matrix Spike Duplicate	T	Water	415.1	
560-16836-3RB	LF-LEC-RB	T	Water	415.1	
560-16836-4FB	LF-LEC-FB	T	Water	415.1	
Analysis Batch:560-39048					
LCS 560-39048/2	Lab Control Sample	T	Water	9040C	
560-16836-2FD	LF-LEC-G3-DUP	T	Water	9040C	
560-16836-3RB	LF-LEC-RB	T	Water	9040C	
560-16836-4FB	LF-LEC-FB	T	Water	9040C	
560-16836-4DU	Duplicate	T	Water	9040C	

Report Basis

T = Total

Client: ARGO Systems LLC

Job Number: 560-16836-1

Method Blank - Batch: 560-38897

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 560-38897/8	Analysis Batch:	560-38897	Instrument ID:	VGCMS#2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	08170908.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	08/17/2009 1738			Final Weight/Volume:	5 mL
Date Prepared:	08/17/2009 1738				

Analyte	Result	Qual	MDL	RL
Dichlorodifluoromethane	<0.43		0.43	1.0
Chloromethane	<0.39		0.39	1.0
Vinyl chloride	<0.20		0.20	1.0
Bromomethane	<0.39		0.39	1.0
Chloroethane	<0.40		0.40	1.0
Trichlorofluoromethane	<0.24		0.24	1.0
Ethyl ether	<0.20		0.20	1.0
1,1-Dichloroethene	<0.20		0.20	1.0
Carbon disulfide	<0.20		0.20	1.0
Iodomethane	<0.22		0.22	1.0
Methylene Chloride	<2.0		2.0	10
Acetone	<5.0		5.0	10
trans-1,2-Dichloroethene	<0.20		0.20	1.0
Methyl tert-butyl ether	<0.20		0.20	1.0
Acetonitrile	<2.2		2.2	10
1,1-Dichloroethane	<0.20		0.20	1.0
Vinyl acetate	<0.20		0.20	1.0
cis-1,2-Dichloroethene	<0.20		0.20	1.0
2,2-Dichloropropane	<0.34		0.34	1.0
Chloroform	<0.20		0.20	1.0
Ethyl acetate	<0.20		0.20	1.0
Carbon tetrachloride	<0.25		0.25	1.0
1,1,1-Trichloroethane	<0.20		0.20	1.0
1,1-Dichloropropene	<0.20		0.20	1.0
Benzene	<0.20		0.20	1.0
1,2-Dichloroethane	<0.20		0.20	1.0
Trichloroethene	<0.32		0.32	1.0
Dibromomethane	<0.20		0.20	1.0
1,2-Dichloropropane	<0.20		0.20	1.0
Dichlorobromomethane	<0.20		0.20	1.0
Methyl methacrylate	<0.20		0.20	5.0
1,4-Dioxane	<7.5		7.5	100
cis-1,3-Dichloropropene	<0.20		0.20	1.0
Toluene	<0.20		0.20	1.0
2-Nitropropane	<0.22		0.22	5.0
4-Methyl-2-pentanone (MIBK)	<0.20		0.20	1.0
trans-1,3-Dichloropropene	<0.20		0.20	1.0
Tetrachloroethene	<0.20		0.20	1.0
Ethyl methacrylate	<0.20		0.20	5.0
1,1,2-Trichloroethane	<0.20		0.20	1.0
Chlorodibromomethane	<0.22		0.22	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Method Blank - Batch: 560-38897

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 560-38897/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2009 1738
Date Prepared: 08/17/2009 1738

Analysis Batch: 560-38897
Prep Batch: N/A
Units: ug/L

Instrument ID: VGCMS#2
Lab File ID: 08170908.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,3-Dichloropropane	<0.20		0.20	1.0
Ethylene Dibromide	<0.20		0.20	1.0
2-Hexanone	<0.20		0.20	1.0
Chlorobenzene	<0.20		0.20	1.0
Ethylbenzene	<0.20		0.20	1.0
Bromoform	<0.20		0.20	5.0
Styrene	<0.20		0.20	5.0
1,1,2,2-Tetrachloroethane	<0.20		0.20	1.0
1,2,3-Trichloropropane	<0.20		0.20	1.0
1,3,5-Trimethylbenzene	<0.20		0.20	1.0
1,2,4-Trimethylbenzene	<0.20		0.20	1.0
1,2,3-Trichlorobenzene	<0.22		0.22	5.0
2-Butanone (MEK)	<0.47		0.47	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.28		0.28	1.0
Xylenes, Total	<0.23		0.23	2.0

Surrogate	% Rec	Acceptance Limits
Dibromofluoromethane (Surr)	88	74 - 123
1,2-Dichloroethane-d4 (Surr)	96	76 - 125
Toluene-d8 (Surr)	90	80 - 120
4-Bromofluorobenzene (Surr)	98	77 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Lab Control Sample - Batch: 560-38897

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 560-38897/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2009 1535
Date Prepared: 08/17/2009 1535

Analysis Batch: 560-38897
Prep Batch: N/A
Units: ug/L

Instrument ID: VGCMS#2
Lab File ID: 08170903.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	50.0	27.5	55	33 - 161	
Chloromethane	50.0	37.1	74	53 - 158	
Vinyl chloride	50.0	41.0	82	63 - 147	
Bromomethane	50.0	37.4	75	54 - 140	
Chloroethane	50.0	38.4	77	62 - 137	
Trichlorofluoromethane	50.0	37.4	75	70 - 149	
Ethyl ether	50.0	40.0	80	74 - 131	
1,1-Dichloroethene	50.0	40.3	81	68 - 125	
Carbon disulfide	50.0	41.9	84	66 - 180	
Iodomethane	50.0	46.8	94	80 - 136	
Methylene Chloride	50.0	38.9	78	75 - 126	
Acetone	50.0	46.3	93	37 - 183	
trans-1,2-Dichloroethene	50.0	38.8	78	79 - 129	*
Methyl tert-butyl ether	50.0	42.2	84	74 - 128	
Acetonitrile	500	488	98	46 - 157	
1,1-Dichloroethane	50.0	37.9	76	75 - 124	
Vinyl acetate	50.0	51.1	102	70 - 190	
cis-1,2-Dichloroethene	50.0	39.2	78	76 - 126	
2,2-Dichloropropane	50.0	42.8	86	66 - 132	
Chloroform	50.0	40.1	80	75 - 123	
Ethyl acetate	50.0	47.3	95	62 - 142	
Carbon tetrachloride	50.0	40.1	80	73 - 122	
1,1,1-Trichloroethane	50.0	40.2	80	75 - 124	
1,1-Dichloropropene	50.0	37.6	75	71 - 120	
Benzene	50.0	42.5	85	80 - 120	
1,2-Dichloroethane	50.0	43.0	86	74 - 122	
Trichloroethene	50.0	48.6	97	79 - 120	
Dibromomethane	50.0	44.7	89	79 - 120	
1,2-Dichloropropane	50.0	40.8	82	80 - 120	
Dichlorobromomethane	50.0	45.2	90	80 - 120	
Methyl methacrylate	50.0	47.9	96	65 - 125	
1,4-Dioxane	1000	1200	120	35 - 188	
cis-1,3-Dichloropropene	50.0	38.1	76	69 - 120	
Toluene	50.0	43.0	86	78 - 120	
2-Nitropropane	50.0	51.8	104	54 - 135	
4-Methyl-2-pentanone (MIBK)	50.0	47.7	95	66 - 130	
trans-1,3-Dichloropropene	50.0	50.5	101	80 - 130	
Tetrachloroethene	50.0	46.7	93	58 - 133	
Ethyl methacrylate	50.0	48.0	96	65 - 129	
1,1,2-Trichloroethane	50.0	51.5	103	80 - 121	
Chlorodibromomethane	50.0	49.6	99	77 - 120	
1,3-Dichloropropane	50.0	49.6	99	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Lab Control Sample - Batch: 560-38897

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 560-38897/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2009 1535
Date Prepared: 08/17/2009 1535

Analysis Batch: 560-38897
Prep Batch: N/A
Units: ug/L

Instrument ID: VGCMS#2
Lab File ID: 08170903.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ethylene Dibromide	50.0	54.9	110	80 - 120	
2-Hexanone	50.0	57.0	114	66 - 133	
Chlorobenzene	50.0	50.3	101	78 - 120	
Ethylbenzene	50.0	49.0	98	78 - 120	
Bromoform	50.0	54.6	109	62 - 120	
Styrene	50.0	54.2	108	68 - 121	
1,1,2,2-Tetrachloroethane	50.0	45.3	91	70 - 126	
1,2,3-Trichloropropane	50.0	50.8	102	67 - 141	
1,3,5-Trimethylbenzene	50.0	47.7	95	79 - 124	
1,2,4-Trimethylbenzene	50.0	47.2	94	78 - 121	
1,2,3-Trichlorobenzene	50.0	53.2	106	68 - 156	
2-Butanone (MEK)	50.0	44.3	89	53 - 147	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	42.7	85	63 - 127	
Xylenes, Total	150	150	100	80 - 121	

Surrogate	% Rec	Acceptance Limits
Dibromofluoromethane (Surr)	88	74 - 123
1,2-Dichloroethane-d4 (Surr)	91	76 - 125
Toluene-d8 (Surr)	94	80 - 120
4-Bromofluorobenzene (Surr)	102	77 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Method Blank - Batch: 560-38942

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 560-38942/8	Analysis Batch:	560-38942	Instrument ID:	VGCMS#2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	08180908.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	08/18/2009 1608			Final Weight/Volume:	5 mL
Date Prepared:	08/18/2009 1608				

Analyte	Result	Qual	MDL	RL
Dichlorodifluoromethane	<0.43		0.43	1.0
Chloromethane	<0.39		0.39	1.0
Vinyl chloride	<0.20		0.20	1.0
Bromomethane	<0.39		0.39	1.0
Chloroethane	<0.40		0.40	1.0
Trichlorofluoromethane	<0.24		0.24	1.0
Ethyl ether	<0.20		0.20	1.0
1,1-Dichloroethene	<0.20		0.20	1.0
Carbon disulfide	<0.20		0.20	1.0
Iodomethane	<0.22		0.22	1.0
Methylene Chloride	<2.0		2.0	10
Acetone	<5.0		5.0	10
trans-1,2-Dichloroethene	<0.20		0.20	1.0
Methyl tert-butyl ether	<0.20		0.20	1.0
Acetonitrile	<2.2		2.2	10
1,1-Dichloroethane	<0.20		0.20	1.0
Vinyl acetate	<0.20		0.20	1.0
cis-1,2-Dichloroethene	<0.20		0.20	1.0
2,2-Dichloropropane	<0.34		0.34	1.0
Chloroform	<0.20		0.20	1.0
Ethyl acetate	<0.20		0.20	1.0
Carbon tetrachloride	<0.25		0.25	1.0
1,1,1-Trichloroethane	<0.20		0.20	1.0
1,1-Dichloropropene	<0.20		0.20	1.0
Benzene	<0.20		0.20	1.0
1,2-Dichloroethane	<0.20		0.20	1.0
Trichloroethene	<0.32		0.32	1.0
Dibromomethane	<0.20		0.20	1.0
1,2-Dichloropropane	<0.20		0.20	1.0
Dichlorobromomethane	<0.20		0.20	1.0
Methyl methacrylate	<0.20		0.20	5.0
1,4-Dioxane	<7.5		7.5	100
cis-1,3-Dichloropropene	<0.20		0.20	1.0
Toluene	<0.20		0.20	1.0
2-Nitropropane	<0.22		0.22	5.0
4-Methyl-2-pentanone (MIBK)	<0.20		0.20	1.0
trans-1,3-Dichloropropene	<0.20		0.20	1.0
Tetrachloroethene	<0.20		0.20	1.0
Ethyl methacrylate	<0.20		0.20	5.0
1,1,2-Trichloroethane	<0.20		0.20	1.0
Chlorodibromomethane	<0.22		0.22	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Method Blank - Batch: 560-38942

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 560-38942/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/18/2009 1608
Date Prepared: 08/18/2009 1608

Analysis Batch: 560-38942
Prep Batch: N/A
Units: ug/L

Instrument ID: VGCMS#2
Lab File ID: 08180908.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,3-Dichloropropane	<0.20		0.20	1.0
Ethylene Dibromide	<0.20		0.20	1.0
2-Hexanone	<0.20		0.20	1.0
Chlorobenzene	<0.20		0.20	1.0
Ethylbenzene	<0.20		0.20	1.0
Bromoform	<0.20		0.20	5.0
Styrene	<0.20		0.20	5.0
1,1,2,2-Tetrachloroethane	<0.20		0.20	1.0
1,2,3-Trichloropropane	<0.20		0.20	1.0
1,3,5-Trimethylbenzene	<0.20		0.20	1.0
1,2,4-Trimethylbenzene	<0.20		0.20	1.0
1,2,3-Trichlorobenzene	<0.22		0.22	5.0
2-Butanone (MEK)	<0.47		0.47	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.28		0.28	1.0
Xylenes, Total	<0.23		0.23	2.0

Surrogate	% Rec	Acceptance Limits
Dibromofluoromethane (Surr)	87	74 - 123
1,2-Dichloroethane-d4 (Surr)	97	76 - 125
Toluene-d8 (Surr)	90	80 - 120
4-Bromofluorobenzene (Surr)	97	77 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Lab Control Sample - Batch: 560-38942

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 560-38942/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/18/2009 1403
Date Prepared: 08/18/2009 1403

Analysis Batch: 560-38942
Prep Batch: N/A
Units: ug/L

Instrument ID: VGCMS#2
Lab File ID: 08180903.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	50.0	28.7	57	33 - 161	
Chloromethane	50.0	37.4	75	53 - 158	
Vinyl chloride	50.0	42.0	84	63 - 147	
Bromomethane	50.0	41.8	84	54 - 140	
Chloroethane	50.0	40.1	80	62 - 137	
Trichlorofluoromethane	50.0	43.0	86	70 - 149	
Ethyl ether	50.0	40.1	80	74 - 131	
1,1-Dichloroethene	50.0	41.7	83	68 - 125	
Carbon disulfide	50.0	42.4	85	66 - 180	
Iodomethane	50.0	48.1	96	80 - 136	
Methylene Chloride	50.0	39.0	78	75 - 126	
Acetone	50.0	46.7	93	37 - 183	
trans-1,2-Dichloroethene	50.0	40.0	80	79 - 129	
Methyl tert-butyl ether	50.0	43.3	87	74 - 128	
Acetonitrile	500	383	77	46 - 157	
1,1-Dichloroethane	50.0	39.5	79	75 - 124	
Vinyl acetate	50.0	50.3	101	70 - 190	
cis-1,2-Dichloroethene	50.0	39.9	80	76 - 126	
2,2-Dichloropropane	50.0	45.4	91	66 - 132	
Chloroform	50.0	42.3	85	75 - 123	
Ethyl acetate	50.0	48.9	98	62 - 142	
Carbon tetrachloride	50.0	43.4	87	73 - 122	
1,1,1-Trichloroethane	50.0	42.5	85	75 - 124	
1,1-Dichloropropene	50.0	38.6	77	71 - 120	
Benzene	50.0	43.4	87	80 - 120	
1,2-Dichloroethane	50.0	46.6	93	74 - 122	
Trichloroethene	50.0	48.2	96	79 - 120	
Dibromomethane	50.0	47.2	94	79 - 120	
1,2-Dichloropropane	50.0	41.9	84	80 - 120	
Dichlorobromomethane	50.0	48.0	96	80 - 120	
Methyl methacrylate	50.0	49.0	98	65 - 125	
1,4-Dioxane	1000	1090	109	35 - 188	
cis-1,3-Dichloropropene	50.0	38.4	77	69 - 120	
Toluene	50.0	44.6	89	78 - 120	
2-Nitropropane	50.0	55.5	111	54 - 135	
4-Methyl-2-pentanone (MIBK)	50.0	50.3	101	66 - 130	
trans-1,3-Dichloropropene	50.0	53.5	107	80 - 130	
Tetrachloroethene	50.0	48.8	98	58 - 133	
Ethyl methacrylate	50.0	49.6	99	65 - 129	
1,1,2-Trichloroethane	50.0	51.3	103	80 - 121	
Chlorodibromomethane	50.0	52.2	104	77 - 120	
1,3-Dichloropropane	50.0	49.6	99	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Lab Control Sample - Batch: 560-38942

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 560-38942/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/18/2009 1403
Date Prepared: 08/18/2009 1403

Analysis Batch: 560-38942
Prep Batch: N/A
Units: ug/L

Instrument ID: VGCMS#2
Lab File ID: 08180903.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ethylene Dibromide	50.0	54.7	109	80 - 120	
2-Hexanone	50.0	58.7	117	66 - 133	
Chlorobenzene	50.0	50.7	101	78 - 120	
Ethylbenzene	50.0	50.6	101	78 - 120	
Bromoform	50.0	56.7	113	62 - 120	
Styrene	50.0	54.6	109	68 - 121	
1,1,2,2-Tetrachloroethane	50.0	46.4	93	70 - 126	
1,2,3-Trichloropropane	50.0	51.7	103	67 - 141	
1,3,5-Trimethylbenzene	50.0	49.2	98	79 - 124	
1,2,4-Trimethylbenzene	50.0	48.0	96	78 - 121	
1,2,3-Trichlorobenzene	50.0	53.3	107	68 - 156	
2-Butanone (MEK)	50.0	43.8	88	53 - 147	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	43.9	88	63 - 127	
Xylenes, Total	150	156	104	80 - 121	

Surrogate	% Rec	Acceptance Limits
Dibromofluoromethane (Surr)	88	74 - 123
1,2-Dichloroethane-d4 (Surr)	97	76 - 125
Toluene-d8 (Surr)	95	80 - 120
4-Bromofluorobenzene (Surr)	102	77 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 560-38942

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	560-16836-2	Analysis Batch:	560-38942	Instrument ID:	VGCMS#2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	08180904.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	08/18/2009 1428			Final Weight/Volume:	5 mL
Date Prepared:	08/18/2009 1428				

MSD Lab Sample ID:	560-16836-2	Analysis Batch:	560-38942	Instrument ID:	VGCMS#2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	08180905.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	08/18/2009 1454			Final Weight/Volume:	5 mL
Date Prepared:	08/18/2009 1454				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Dichlorodifluoromethane	55	52	10 - 178	5	20		
Chloromethane	77	79	58 - 159	3	20		
Vinyl chloride	87	91	60 - 166	5	20		
Bromomethane	83	87	47 - 150	5	20		
Chloroethane	82	86	58 - 159	5	20		
Trichlorofluoromethane	82	84	64 - 160	2	20		
Ethyl ether	78	77	70 - 134	1	20		
1,1-Dichloroethene	85	85	76 - 129	0	20		
Carbon disulfide	88	89	51 - 161	1	20		
Iodomethane	98	97	80 - 139	1	20		
Methylene Chloride	76	77	71 - 140	1	20		
Acetone	72	42	49 - 160	43	20		F
trans-1,2-Dichloroethene	81	83	74 - 140	3	20		
Methyl tert-butyl ether	84	81	69 - 126	4	20		
Acetonitrile	39	28	39 - 158	32	20		F
1,1-Dichloroethane	81	80	74 - 132	1	20		
Vinyl acetate	97	94	57 - 192	2	20		
cis-1,2-Dichloroethene	85	85	75 - 127	0	20		
2,2-Dichloropropane	101	101	67 - 140	0	20		
Chloroform	85	85	76 - 132	1	20		
Ethyl acetate	88	80	58 - 146	9	20		
Carbon tetrachloride	84	85	58 - 157	1	20		
1,1,1-Trichloroethane	88	89	75 - 139	0	20		
1,1-Dichloropropene	79	79	75 - 127	1	20		
Benzene	88	86	80 - 127	2	20		
1,2-Dichloroethane	90	87	73 - 128	4	20		
Trichloroethene	96	95	70 - 138	1	20		
Dibromomethane	90	86	74 - 122	5	20		
1,2-Dichloropropane	81	83	77 - 129	2	20		
Dichlorobromomethane	93	89	78 - 127	4	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 560-38942

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	560-16836-2	Analysis Batch:	560-38942	Instrument ID:	VGCMS#2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	08180904.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	08/18/2009 1428			Final Weight/Volume:	5 mL
Date Prepared:	08/18/2009 1428				

MSD Lab Sample ID:	560-16836-2	Analysis Batch:	560-38942	Instrument ID:	VGCMS#2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	08180905.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	08/18/2009 1454			Final Weight/Volume:	5 mL
Date Prepared:	08/18/2009 1454				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Methyl methacrylate	91	88	54 - 130	3	20		
1,4-Dioxane	107	90	42 - 150	17	20		
cis-1,3-Dichloropropene	73	72	59 - 120	1	20		
Toluene	86	86	70 - 130	1	20		
2-Nitropropane	92	86	52 - 124	7	20		
4-Methyl-2-pentanone (MIBK)	91	87	48 - 141	5	20		
trans-1,3-Dichloropropene	98	101	66 - 143	3	20		
Tetrachloroethene	96	97	50 - 144	1	20		
Ethyl methacrylate	92	92	52 - 134	0	20		
1,1,2-Trichloroethane	99	96	72 - 128	3	20		
Chlorodibromomethane	99	95	68 - 127	4	20		
1,3-Dichloropropane	96	97	75 - 124	1	20		
Ethylene Dibromide	104	105	69 - 130	1	20		
2-Hexanone	106	114	47 - 146	7	20		
Chlorobenzene	98	96	75 - 127	2	20		
Ethylbenzene	123	111	78 - 128	8	20		
Bromoform	106	100	50 - 120	5	20		
Styrene	106	101	38 - 145	5	20		
1,1,2,2-Tetrachloroethane	97	101	59 - 144	4	20		
1,2,3-Trichloropropane	109	99	65 - 152	10	20		
1,3,5-Trimethylbenzene	105	102	71 - 130	3	20		
1,2,4-Trimethylbenzene	101	98	70 - 128	3	20		
1,2,3-Trichlorobenzene	115	117	69 - 131	2	20		
2-Butanone (MEK)	81	66	47 - 152	21	20		F
1,1,2-Trichloro-1,2,2-trifluoroethane	88	87	62 - 144	1	20		
Xylenes, Total	102	96	74 - 131	6	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Dibromofluoromethane (Surr)	91	91	74 - 123
1,2-Dichloroethane-d4 (Surr)	96	93	76 - 125

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	93	94	80 - 120
4-Bromofluorobenzene (Surr)	100	95	77 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 560-38942

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	560-16836-2	Units: ug/L	MSD Lab Sample ID:	560-16836-2
Client Matrix:	Water		Client Matrix:	Water
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	08/18/2009 1428		Date Analyzed:	08/18/2009 1454
Date Prepared:	08/18/2009 1428		Date Prepared:	08/18/2009 1454

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Dichlorodifluoromethane	<0.43		50.0	50.0	27.5	26.2	
Chloromethane	<0.39		50.0	50.0	38.5	39.5	
Vinyl chloride	<0.20		50.0	50.0	43.6	45.6	
Bromomethane	<0.39		50.0	50.0	41.4	43.4	
Chloroethane	<0.40		50.0	50.0	41.0	42.9	
Trichlorofluoromethane	<0.24		50.0	50.0	41.1	42.0	
Ethyl ether	0.45	J	50.0	50.0	39.5	39.1	
1,1-Dichloroethene	<0.20		50.0	50.0	42.4	42.3	
Carbon disulfide	0.43	J	50.0	50.0	44.4	45.0	
Iodomethane	<0.22		50.0	50.0	49.0	48.6	
Methylene Chloride	<2.0		50.0	50.0	37.9	38.3	
Acetone	5.8	J	50.0	50.0	41.9	27.0	F
trans-1,2-Dichloroethene	<0.20		50.0	50.0	40.4	41.5	
Methyl tert-butyl ether	<0.20		50.0	50.0	41.9	40.3	
Acetonitrile	<2.2		500	500	195	141	F
1,1-Dichloroethane	<0.20		50.0	50.0	40.3	40.0	
Vinyl acetate	<0.20		50.0	50.0	48.3	47.1	
cis-1,2-Dichloroethene	<0.20		50.0	50.0	42.5	42.6	
2,2-Dichloropropane	<0.34		50.0	50.0	50.6	50.3	
Chloroform	<0.20		50.0	50.0	42.3	42.6	
Ethyl acetate	<0.20		50.0	50.0	43.8	40.1	
Carbon tetrachloride	<0.25		50.0	50.0	42.0	42.5	
1,1,1-Trichloroethane	<0.20		50.0	50.0	44.2	44.3	
1,1-Dichloropropene	<0.20		50.0	50.0	39.6	39.3	
Benzene	1.3		50.0	50.0	45.4	44.4	
1,2-Dichloroethane	<0.20		50.0	50.0	45.0	43.4	
Trichloroethene	<0.32		50.0	50.0	48.2	47.6	
Dibromomethane	<0.20		50.0	50.0	45.0	43.0	
1,2-Dichloropropane	<0.20		50.0	50.0	40.4	41.3	
Dichlorobromomethane	<0.20		50.0	50.0	46.4	44.5	
Methyl methacrylate	<0.20		50.0	50.0	45.4	43.9	
1,4-Dioxane	<7.5		1000	1000	1070	901	
cis-1,3-Dichloropropene	<0.20		50.0	50.0	36.4	36.2	
Toluene	0.55	J	50.0	50.0	43.3	43.6	
2-Nitropropane	<0.22		50.0	50.0	46.0	42.9	
4-Methyl-2-pentanone (MIBK)	<0.20		50.0	50.0	45.5	43.5	
trans-1,3-Dichloropropene	<0.20		50.0	50.0	48.8	50.5	
Tetrachloroethene	<0.20		50.0	50.0	47.9	48.3	
Ethyl methacrylate	<0.20		50.0	50.0	45.8	45.8	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 560-38942

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	560-16836-2	Units: ug/L	MSD Lab Sample ID:	560-16836-2
Client Matrix:	Water		Client Matrix:	Water
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	08/18/2009 1428		Date Analyzed:	08/18/2009 1454
Date Prepared:	08/18/2009 1428		Date Prepared:	08/18/2009 1454

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
1,1,2-Trichloroethane	<0.20		50.0	50.0	49.7	48.2	
Chlorodibromomethane	<0.22		50.0	50.0	49.5	47.6	
1,3-Dichloropropane	<0.20		50.0	50.0	48.0	48.5	
Ethylene Dibromide	<0.20		50.0	50.0	52.0	52.5	
2-Hexanone	<0.20		50.0	50.0	52.9	56.9	
Chlorobenzene	<0.20		50.0	50.0	49.1	47.8	
Ethylbenzene	11		50.0	50.0	72.7	67.0	
Bromoform	<0.20		50.0	50.0	53.0	50.2	
Styrene	<0.20		50.0	50.0	53.1	50.5	
1,1,2,2-Tetrachloroethane	<0.20		50.0	50.0	48.5	50.3	
1,2,3-Trichloropropane	<0.20		50.0	50.0	54.6	49.4	
1,3,5-Trimethylbenzene	<0.20		50.0	50.0	52.3	50.8	
1,2,4-Trimethylbenzene	0.55	J	50.0	50.0	51.2	49.7	
1,2,3-Trichlorobenzene	<0.22		50.0	50.0	57.3	58.5	
2-Butanone (MEK)	<0.47		50.0	50.0	40.7	33.0	F
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.28		50.0	50.0	44.2	43.6	
Xylenes, Total	2.8		150	150	156	147	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Method Blank - Batch: 560-38943

Method: 8270C
Preparation: 3520C

Lab Sample ID:	MB 560-38943/1-A	Analysis Batch:	560-38959	Instrument ID:	SVGCMS#2
Client Matrix:	Water	Prep Batch:	560-38943	Lab File ID:	08190905.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	08/19/2009 1019			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

Analyte	Result	Qual	MDL	RL
Phenol	<1.0		1.0	10
Bis(2-chloroethyl)ether	<0.70		0.70	10
2-Chlorophenol	<1.0		1.0	10
1,3-Dichlorobenzene	<1.0		1.0	10
1,4-Dichlorobenzene	<1.0		1.0	10
Benzyl alcohol	<1.4		1.4	10
1,2-Dichlorobenzene	<1.0		1.0	10
2-Methylphenol	<0.50		0.50	10
3 & 4 Methylphenol	<2.0		2.0	20
N-Nitrosodi-n-propylamine	<0.65		0.65	10
Hexachloroethane	<0.58		0.58	10
Nitrobenzene	<0.50		0.50	10
Isophorone	<0.63		0.63	10
2-Nitrophenol	<1.0		1.0	10
2,4-Dimethylphenol	<0.56		0.56	10
Bis(2-chloroethoxy)methane	<0.59		0.59	10
2,4-Dichlorophenol	<1.0		1.0	10
1,2,4-Trichlorobenzene	<1.0		1.0	10
Naphthalene	<0.50		0.50	10
4-Chloroaniline	<0.50		0.50	10
Hexachlorobutadiene	<1.0		1.0	10
4-Chloro-3-methylphenol	<1.0		1.0	10
2-Methylnaphthalene	<0.50		0.50	10
Hexachlorocyclopentadiene	<1.3		1.3	10
2,4,6-Trichlorophenol	<1.0		1.0	10
2,4,5-Trichlorophenol	<1.0		1.0	10
2-Chloronaphthalene	<0.50		0.50	10
2-Nitroaniline	<1.0		1.0	10
Dimethyl phthalate	<0.55		0.55	10
Acenaphthylene	<0.50		0.50	10
2,6-Dinitrotoluene	<1.0		1.0	10
3-Nitroaniline	<1.8		1.8	10
Acenaphthene	<0.57		0.57	10
2,4-Dinitrophenol	<5.0		5.0	10
4-Nitrophenol	<5.0		5.0	10
Dibenzofuran	<0.51		0.51	10
2,4-Dinitrotoluene	<1.0		1.0	10
Diethyl phthalate	<0.52		0.52	10
Fluorene	<0.61		0.61	10
4-Chlorophenyl phenyl ether	<0.52		0.52	10
4-Nitroaniline	<1.5		1.5	10

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Method Blank - Batch: 560-38943

Method: 8270C
Preparation: 3520C

Lab Sample ID:	MB 560-38943/1-A	Analysis Batch:	560-38959	Instrument ID:	SVGCMS#2
Client Matrix:	Water	Prep Batch:	560-38943	Lab File ID:	08190905.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	08/19/2009 1019			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

Analyte	Result	Qual	MDL	RL
4,6-Dinitro-2-methylphenol	<5.0		5.0	10
N-Nitrosodiphenylamine	<0.51		0.51	10
4-Bromophenyl phenyl ether	<0.74		0.74	10
Hexachlorobenzene	<0.65		0.65	10
Phenanthrene	<0.51		0.51	10
Anthracene	<0.50		0.50	10
Di-n-butyl phthalate	<0.50		0.50	10
Fluoranthene	<0.50		0.50	10
Pyrene	<0.50		0.50	10
Butyl benzyl phthalate	<1.0		1.0	10
Benzo[a]anthracene	<0.50		0.50	10
Chrysene	<0.50		0.50	10
Bis(2-ethylhexyl) phthalate	<1.9		1.9	10
Di-n-octyl phthalate	<2.0		2.0	10
Benzo[b]fluoranthene	<0.50		0.50	10
Benzo[k]fluoranthene	<0.50		0.50	10
Benzo[a]pyrene	<0.50		0.50	10
Indeno[1,2,3-cd]pyrene	<0.50		0.50	10
Dibenz(a,h)anthracene	<0.50		0.50	10
Benzo[g,h,i]perylene	<0.50		0.50	10
3,3'-Dichlorobenzidine	<0.50		0.50	10
Pentachlorophenol	<2.0		2.0	10

Surrogate	% Rec	Acceptance Limits
2-Fluorophenol	64	10 - 120
Phenol-d5	70	12 - 120
Nitrobenzene-d5	76	36 - 120
2-Fluorobiphenyl	63	32 - 120
2,4,6-Tribromophenol	88	31 - 126
Terphenyl-d14	104	10 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 560-38943

Method: 8270C
Preparation: 3520C

LCS Lab Sample ID:	LCS 560-38943/2-A	Analysis Batch:	560-38959	Instrument ID:	SVGCMS#2
Client Matrix:	Water	Prep Batch:	560-38943	Lab File ID:	08190906.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	08/19/2009 1044			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 560-38943/3-A	Analysis Batch:	560-38959	Instrument ID:	SVGCMS#2
Client Matrix:	Water	Prep Batch:	560-38943	Lab File ID:	08190907.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	08/19/2009 1109			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Phenol	94	95	36 - 122	1	20		
Bis(2-chloroethyl)ether	94	95	57 - 120	1	20		
2-Chlorophenol	91	91	52 - 120	0	20		
1,3-Dichlorobenzene	65	68	46 - 120	5	20		
1,4-Dichlorobenzene	68	70	47 - 120	2	20		
Benzyl alcohol	86	86	62 - 120	1	20		
1,2-Dichlorobenzene	68	72	48 - 120	6	20		
2-Methylphenol	94	94	51 - 120	0	20		
3 & 4 Methylphenol	95	96	50 - 120	1	20		
N-Nitrosodi-n-propylamine	100	99	56 - 120	1	20		
Hexachloroethane	64	67	42 - 120	5	20		
Nitrobenzene	95	95	58 - 120	0	20		
Isophorone	95	95	54 - 120	0	20		
2-Nitrophenol	91	91	58 - 120	0	20		
2,4-Dimethylphenol	99	98	58 - 120	1	20		
Bis(2-chloroethoxy)methane	99	98	60 - 120	1	20		
2,4-Dichlorophenol	93	94	59 - 120	1	20		
1,2,4-Trichlorobenzene	81	82	55 - 120	2	20		
Naphthalene	87	88	60 - 120	1	20		
4-Chloroaniline	68	78	41 - 120	14	20		
Hexachlorobutadiene	76	80	50 - 120	5	20		
4-Chloro-3-methylphenol	94	97	59 - 120	3	20		
2-Methylnaphthalene	95	94	63 - 120	0	20		
Hexachlorocyclopentadiene	84	87	5 - 120	2	20		
2,4,6-Trichlorophenol	94	99	63 - 120	5	20		
2,4,5-Trichlorophenol	97	98	64 - 120	1	20		
2-Chloronaphthalene	92	93	61 - 120	1	20		
2-Nitroaniline	127	127	60 - 120	0	20	*	*
Dimethyl phthalate	98	100	70 - 120	1	20		
Acenaphthylene	96	96	65 - 120	1	20		
2,6-Dinitrotoluene	98	101	72 - 120	3	20		
3-Nitroaniline	97	99	71 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 560-38943

Method: 8270C
Preparation: 3520C

LCS Lab Sample ID:	LCS 560-38943/2-A	Analysis Batch:	560-38959	Instrument ID:	SVGCMS#2
Client Matrix:	Water	Prep Batch:	560-38943	Lab File ID:	08190906.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	08/19/2009 1044			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 560-38943/3-A	Analysis Batch:	560-38959	Instrument ID:	SVGCMS#2
Client Matrix:	Water	Prep Batch:	560-38943	Lab File ID:	08190907.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	08/19/2009 1109			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acenaphthene	97	99	66 - 120	2	20		
2,4-Dinitrophenol	97	105	51 - 120	8	20		
4-Nitrophenol	95	96	43 - 120	1	20		
Dibenzofuran	96	98	60 - 120	2	20		
2,4-Dinitrotoluene	99	101	73 - 120	2	20		
Diethyl phthalate	100	102	74 - 120	2	20		
Fluorene	99	101	70 - 120	2	20		
4-Chlorophenyl phenyl ether	97	101	68 - 120	4	20		
4-Nitroaniline	102	102	76 - 120	0	20		
4,6-Dinitro-2-methylphenol	97	104	70 - 120	8	20		
N-Nitrosodiphenylamine	104	110	69 - 120	6	20		
4-Bromophenyl phenyl ether	100	109	72 - 120	8	20		
Hexachlorobenzene	98	105	70 - 120	7	20		
Phenanthrene	103	109	76 - 120	6	20		
Anthracene	98	104	74 - 120	6	20		
Di-n-butyl phthalate	99	106	75 - 120	7	20		
Fluoranthene	98	106	73 - 120	7	20		
Pyrene	115	123	70 - 120	7	20		*
Butyl benzyl phthalate	110	118	70 - 120	7	20		
Benzo[a]anthracene	100	108	72 - 120	8	20		
Chrysene	101	109	74 - 120	8	20		
Bis(2-ethylhexyl) phthalate	99	103	62 - 129	5	20		
Di-n-octyl phthalate	95	104	71 - 120	9	20		
Benzo[b]fluoranthene	109	116	72 - 128	6	20		
Benzo[k]fluoranthene	100	107	72 - 120	7	20		
Benzo[a]pyrene	117	126	72 - 120	8	20		*
Indeno[1,2,3-cd]pyrene	100	109	68 - 120	9	20		
Dibenz(a,h)anthracene	99	108	62 - 120	9	20		
Benzo[g,h,i]perylene	101	110	70 - 120	8	20		
3,3'-Dichlorobenzidine	95	100	58 - 120	6	20		
Pentachlorophenol	112	117	70 - 120	5	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2-Fluorophenol	77	77	10 - 120
Phenol-d5	82	84	12 - 120
Nitrobenzene-d5	86	85	36 - 120
2-Fluorobiphenyl	80	82	32 - 120
2,4,6-Tribromophenol	104	107	31 - 126
Terphenyl-d14	99	103	10 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 560-38943

Method: 8270C
Preparation: 3520C

LCS Lab Sample ID:	LCS 560-38943/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 560-38943/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	08/19/2009 1044			Date Analyzed:	08/19/2009 1109
Date Prepared:	08/18/2009 1300			Date Prepared:	08/18/2009 1300

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Phenol	100	100	94.0		95.4	
Bis(2-chloroethyl)ether	100	100	93.9		94.6	
2-Chlorophenol	100	100	90.8		90.9	
1,3-Dichlorobenzene	100	100	64.7		67.7	
1,4-Dichlorobenzene	100	100	68.3		69.9	
Benzyl alcohol	100	100	85.5		86.3	
1,2-Dichlorobenzene	100	100	68.4		72.3	
2-Methylphenol	100	100	94.2		93.8	
3 & 4 Methylphenol	200	200	190		192	
N-Nitrosodi-n-propylamine	100	100	100		98.6	
Hexachloroethane	100	100	64.3		67.5	
Nitrobenzene	100	100	95.2		95.0	
Isophorone	100	100	94.8		94.8	
2-Nitrophenol	100	100	91.3		91.2	
2,4-Dimethylphenol	100	100	99.4		98.0	
Bis(2-chloroethoxy)methane	100	100	99.1		98.1	
2,4-Dichlorophenol	100	100	93.1		94.1	
1,2,4-Trichlorobenzene	100	100	80.6		81.9	
Naphthalene	100	100	86.9		88.0	
4-Chloroaniline	100	100	67.9		78.5	
Hexachlorobutadiene	100	100	76.5		80.2	
4-Chloro-3-methylphenol	100	100	93.7		97.0	
2-Methylnaphthalene	100	100	94.9		94.5	
Hexachlorocyclopentadiene	100	100	84.4		86.5	
2,4,6-Trichlorophenol	100	100	94.3		98.7	
2,4,5-Trichlorophenol	100	100	96.6		97.8	
2-Chloronaphthalene	100	100	92.4		93.4	
2-Nitroaniline	100	100	127	*	127	*
Dimethyl phthalate	100	100	98.4		99.6	
Acenaphthylene	100	100	95.6		96.2	
2,6-Dinitrotoluene	100	100	97.6		101	
3-Nitroaniline	100	100	96.5		98.5	
Acenaphthene	100	100	96.8		98.9	
2,4-Dinitrophenol	100	100	96.6		105	
4-Nitrophenol	100	100	94.6		95.6	
Dibenzofuran	100	100	96.2		97.9	
2,4-Dinitrotoluene	100	100	99.0		101	
Diethyl phthalate	100	100	99.6		102	
Fluorene	100	100	99.3		101	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 560-38943

Method: 8270C
Preparation: 3520C

LCS Lab Sample ID:	LCS 560-38943/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 560-38943/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	08/19/2009 1044			Date Analyzed:	08/19/2009 1109
Date Prepared:	08/18/2009 1300			Date Prepared:	08/18/2009 1300

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual	
4-Chlorophenyl phenyl ether	100	100	96.6	101	
4-Nitroaniline	100	100	102	102	
4,6-Dinitro-2-methylphenol	100	100	96.5	104	
N-Nitrosodiphenylamine	100	100	104	110	
4-Bromophenyl phenyl ether	100	100	100	109	
Hexachlorobenzene	100	100	98.1	105	
Phenanthrene	100	100	103	109	
Anthracene	100	100	98.0	104	
Di-n-butyl phthalate	100	100	99.1	106	
Fluoranthene	100	100	98.1	106	
Pyrene	100	100	115	123	*
Butyl benzyl phthalate	100	100	110	118	
Benzo[a]anthracene	100	100	100	108	
Chrysene	100	100	101	109	
Bis(2-ethylhexyl) phthalate	100	100	98.6	103	
Di-n-octyl phthalate	100	100	95.0	104	
Benzo[b]fluoranthene	100	100	109	116	
Benzo[k]fluoranthene	100	100	99.8	107	
Benzo[a]pyrene	100	100	117	126	*
Indeno[1,2,3-cd]pyrene	100	100	99.6	109	
Dibenz(a,h)anthracene	100	100	99.0	108	
Benzo[g,h,i]perylene	100	100	101	110	
3,3'-Dichlorobenzidine	150	150	142	151	
Pentachlorophenol	100	100	112	117	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Matrix Spike - Batch: 560-38943

Method: 8270C
Preparation: 3520C

Lab Sample ID: 560-16836-2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1159
Date Prepared: 08/18/2009 1300

Analysis Batch: 560-38959
Prep Batch: 560-38943
Units: ug/L

Instrument ID: SVGCMS#2
Lab File ID: 08190909.D
Initial Weight/Volume: 1030 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Phenol	<0.95		97.1	97.5	100	20 - 120	
Bis(2-chloroethyl)ether	<0.67		97.1	89.0	92	37 - 120	
2-Chlorophenol	<0.95		97.1	92.4	95	37 - 120	
1,3-Dichlorobenzene	<0.95		97.1	63.7	66	32 - 120	
1,4-Dichlorobenzene	<0.95		97.1	65.5	67	32 - 120	
Benzyl alcohol	<1.3		97.1	91.6	94	30 - 120	
1,2-Dichlorobenzene	<0.95		97.1	67.3	69	33 - 120	
2-Methylphenol	<0.48		97.1	99.5	102	38 - 120	
3 & 4 Methylphenol	<1.9		194	201	104	32 - 120	
N-Nitrosodi-n-propylamine	<0.62		97.1	89.6	92	34 - 128	
Hexachloroethane	<0.56		97.1	65.6	68	28 - 120	
Nitrobenzene	<0.48		97.1	91.4	94	44 - 120	
Isophorone	<0.60		97.1	95.4	98	50 - 120	
2-Nitrophenol	<0.95		97.1	91.8	95	39 - 123	
2,4-Dimethylphenol	<0.53		97.1	106	109	28 - 120	
Bis(2-chloroethoxy)methane	<0.56		97.1	103	106	46 - 120	
2,4-Dichlorophenol	<0.95		97.1	98.3	101	48 - 120	
1,2,4-Trichlorobenzene	<0.95		97.1	79.2	82	37 - 120	
Naphthalene	2.1	J	97.1	90.2	91	39 - 120	
4-Chloroaniline	<0.48		97.1	5.11	5	20 - 120	J F
Hexachlorobutadiene	<0.95		97.1	68.3	70	27 - 120	
4-Chloro-3-methylphenol	<0.95		97.1	109	113	47 - 120	
2-Methylnaphthalene	<0.48		97.1	94.9	98	46 - 120	
Hexachlorocyclopentadiene	<1.3		97.1	69.7	72	10 - 150	
2,4,6-Trichlorophenol	<0.95		97.1	98.1	101	49 - 126	
2,4,5-Trichlorophenol	<0.95		97.1	99.8	103	49 - 120	
2-Chloronaphthalene	<0.48		97.1	89.5	92	49 - 120	
2-Nitroaniline	<0.95		97.1	94.7	97	48 - 120	
Dimethyl phthalate	<0.52		97.1	95.0	98	25 - 127	
Acenaphthylene	<0.48		97.1	92.9	96	50 - 120	
2,6-Dinitrotoluene	<0.95		97.1	97.3	100	49 - 120	
3-Nitroaniline	<1.7		97.1	4.65	5	20 - 126	J F
Acenaphthene	<0.54		97.1	94.5	97	47 - 120	
2,4-Dinitrophenol	<4.8		97.1	97.9	101	25 - 130	
4-Nitrophenol	<4.8		97.1	89.3	92	20 - 120	
Dibenzofuran	<0.49		97.1	91.1	94	54 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Matrix Spike - Batch: 560-38943

Method: 8270C
Preparation: 3520C

Lab Sample ID: 560-16836-2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1159
Date Prepared: 08/18/2009 1300

Analysis Batch: 560-38959
Prep Batch: 560-38943
Units: ug/L

Instrument ID: SVGCMS#2
Lab File ID: 08190909.D
Initial Weight/Volume: 1030 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
2,4-Dinitrotoluene	<0.95		97.1	94.0	97	51 - 120	
Diethyl phthalate	0.96	J	97.1	94.5	96	41 - 120	
Fluorene	<0.58		97.1	90.5	93	50 - 120	
4-Chlorophenyl phenyl ether	<0.50		97.1	81.6	84	50 - 120	
4-Nitroaniline	<1.4		97.1	7.80	8	36 - 120	J F
4,6-Dinitro-2-methylphenol	<4.8		97.1	92.7	96	40 - 130	
N-Nitrosodiphenylamine	<0.48		97.1	68.0	70	48 - 120	
4-Bromophenyl phenyl ether	<0.71		97.1	83.0	85	52 - 120	
Hexachlorobenzene	<0.62		97.1	72.3	75	52 - 120	
Phenanthrene	<0.49		97.1	90.6	93	51 - 120	
Anthracene	<0.48		97.1	85.6	88	54 - 120	
Di-n-butyl phthalate	<0.48		97.1	77.5	80	54 - 120	
Fluoranthene	<0.48		97.1	74.4	77	54 - 120	
Pyrene	<0.48		97.1	85.9	89	49 - 128	
Butyl benzyl phthalate	<0.95		97.1	79.2	82	46 - 120	
Benzo[a]anthracene	<0.48		97.1	72.5	75	56 - 120	
Chrysene	<0.48		97.1	71.0	73	55 - 120	
Bis(2-ethylhexyl) phthalate	<1.8		97.1	75.0	77	42 - 126	
Di-n-octyl phthalate	<1.9		97.1	75.3	78	37 - 137	
Benzo[b]fluoranthene	<0.48		97.1	82.8	85	45 - 124	
Benzo[k]fluoranthene	<0.48		97.1	70.6	73	45 - 124	
Benzo[a]pyrene	<0.48		97.1	88.8	91	53 - 120	
Indeno[1,2,3-cd]pyrene	<0.48		97.1	75.9	78	43 - 125	
Dibenz(a,h)anthracene	<0.48		97.1	77.7	80	42 - 127	
Benzo[g,h,i]perylene	<0.48		97.1	77.9	80	38 - 123	
3,3'-Dichlorobenzidine	<0.48		146	0.488	0	20 - 120	J F
Pentachlorophenol	<1.9		97.1	118	121	38 - 120	F

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Method Blank - Batch: 560-39009

Method: 8081B
Preparation: 3520C

Lab Sample ID: MB 560-39009/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 1446
Date Prepared: 08/19/2009 1100

Analysis Batch: 560-39026
Prep Batch: 560-39009
Units: ug/L

Instrument ID: SVGC#1
Lab File ID: 08200916.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	<0.0029		0.0029	0.050
4,4'-DDE	<0.0026		0.0026	0.050
4,4'-DDT	<0.0034		0.0034	0.050
Aldrin	<0.0025		0.0025	0.050
alpha-BHC	<0.0056		0.0056	0.050
alpha-Chlordane	<0.0038		0.0038	0.050
beta-BHC	<0.0056		0.0056	0.050
Chlordane (technical)	<0.031		0.031	0.50
delta-BHC	<0.0025		0.0025	0.050
Dieldrin	<0.0083		0.0083	0.050
Endosulfan I	<0.0089		0.0089	0.050
Endosulfan II	<0.0035		0.0035	0.050
Endosulfan sulfate	<0.0039		0.0039	0.050
Endrin	<0.0025		0.0025	0.050
Endrin aldehyde	<0.0044		0.0044	0.050
Endrin ketone	<0.0073		0.0073	0.050
gamma-BHC (Lindane)	<0.0027		0.0027	0.050
gamma-Chlordane	<0.0047		0.0047	0.050
Heptachlor	<0.0059		0.0059	0.050
Heptachlor epoxide	<0.0028		0.0028	0.050
Methoxychlor	<0.023		0.023	0.050

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	76	10 - 152
Tetrachloro-m-xylene	89	57 - 127

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	81	84	10 - 152
Tetrachloro-m-xylene	90	95	57 - 127

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Matrix Spike - Batch: 560-39009

Method: 8081B
Preparation: 3520C

Lab Sample ID: 560-16836-2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 1754
Date Prepared: 08/19/2009 1100

Analysis Batch: 560-39026
Prep Batch: 560-39009
Units: ug/L

Instrument ID: SVGC#1
Lab File ID: 08200932.D
Initial Weight/Volume: 1030 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	<0.0028	0.485	0.306	63	45 - 140	
4,4'-DDE	<0.0025	0.485	0.190	39	48 - 137	F
4,4'-DDT	<0.0033	0.485	0.204	42	45 - 140	F
Aldrin	<0.0024	0.485	0.270	56	40 - 120	
alpha-BHC	<0.0054	0.485	0.422	87	60 - 130	
alpha-Chlordane	<0.0037	0.485	0.317	65	65 - 125	
beta-BHC	<0.0054	0.485	2.60	536	65 - 125	F
delta-BHC	<0.0024	0.485	0.543	112	45 - 135	
Dieldrin	<0.0080	0.485	0.430	89	60 - 130	
Endosulfan I	<0.0086	0.485	0.397	82	50 - 120	
Endosulfan II	<0.0034	0.485	0.383	79	30 - 130	
Endosulfan sulfate	<0.0038	0.485	0.380	78	55 - 135	
Endrin	<0.0024	0.485	0.440	91	55 - 135	
Endrin aldehyde	<0.0042	0.485	0.194	40	55 - 135	F
Endrin ketone	<0.0070	0.485	0.366	75	73 - 130	
gamma-BHC (Lindane)	<0.0026	0.485	0.452	93	46 - 136	
gamma-Chlordane	<0.0045	0.485	0.301	62	60 - 125	
Heptachlor epoxide	<0.0027	0.485	0.417	86	60 - 130	
Methoxychlor	<0.022	0.485	0.328	68	55 - 150	

Matrix Spike - Batch: 560-39009

Method: 8081B
Preparation: 3520C

Lab Sample ID: 560-16836-2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/28/2009 1253
Date Prepared: 08/19/2009 1100

Analysis Batch: 560-39342
Prep Batch: 560-39009
Units: ug/L

Instrument ID: SVGC#1
Lab File ID: 08280914.D
Initial Weight/Volume: 1030 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Heptachlor	<0.0057	0.485	0.345	71	51 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Method Blank - Batch: 600-19540

Method: 8151A
Preparation: 8151A

Lab Sample ID: MB 600-19540/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 0435
Date Prepared: 08/18/2009 1652

Analysis Batch: 600-19668
Prep Batch: 600-19540
Units: ug/L

Instrument ID: ECD-08
Lab File ID: AH19_039.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.00 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Dalapon	<1.0		1.0	10
Dicamba	<0.010		0.010	0.20
MCPP	<2.6		2.6	20
MCPA	<5.8		5.8	20
Dichlorprop	<0.030		0.030	0.20
2,4-D	<0.040		0.040	0.20
Silvex (2,4,5-TP)	<0.020		0.020	0.20
2,4,5-T	<0.020		0.020	0.20
2,4-DB	<0.050		0.050	0.20
Dinoseb	<0.020		0.020	0.20

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid (Surr)	97	10 - 125.2

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 600-19540

Method: 8151A
Preparation: 8151A

LCS Lab Sample ID:	LCS 600-19540/2-A	Analysis Batch: 600-19668	Instrument ID: ECD-08
Client Matrix:	Water	Prep Batch: 600-19540	Lab File ID: AH19_040.D
Dilution:	1.0	Units: ug/L	Initial Weight/Volume: 1000 mL
Date Analyzed:	08/20/2009 0503		Final Weight/Volume: 5.00 mL
Date Prepared:	08/18/2009 1652		Injection Volume: 1.0 uL
			Column ID: PRIMARY

LCSD Lab Sample ID:	LCSD 600-19540/3-A	Analysis Batch: 600-19668	Instrument ID: ECD-08
Client Matrix:	Water	Prep Batch: 600-19540	Lab File ID: AH19_041.D
Dilution:	1.0	Units: ug/L	Initial Weight/Volume: 1000 mL
Date Analyzed:	08/20/2009 0531		Final Weight/Volume: 5.00 mL
Date Prepared:	08/18/2009 1652		Injection Volume: 1.0 uL
			Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Dalapon	8	8	5 - 137	8	20		
Dicamba	54	65	14 - 117	18	20		
MCPP	64	71	10 - 111	11	20		
MCPA	31	35	33 - 118	11	20	J *	
Dichlorprop	89	101	33 - 106	12	20		
2,4-D	81	89	39 - 121	9	20		
Silvex (2,4,5-TP)	80	89	39 - 150	11	20		
2,4,5-T	74	83	37 - 128	12	20		
2,4-DB	84	93	32 - 141	10	20		
Dinoseb	57	62	0 - 126	9	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid (Surr)	88	92	10 - 125.2

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 600-19540

Method: 8151A
Preparation: 8151A

LCS Lab Sample ID: LCS 600-19540/2-A
Units: ug/L
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 0503
Date Prepared: 08/18/2009 1652

LCSD Lab Sample ID: LCSD 600-19540/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 0531
Date Prepared: 08/18/2009 1652

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual
Dalapon	3.00	3.00	<1.0		<1.0
Dicamba	0.600	0.600	0.325		0.388
MCPP	60.0	60.0	38.3		42.7
MCPA	60.0	60.0	18.8	J *	20.9
Dichlorprop	0.600	0.600	0.537		0.605
2,4-D	0.600	0.600	0.486		0.533
Silvex (2,4,5-TP)	0.600	0.600	0.482		0.537
2,4,5-T	0.600	0.600	0.446		0.500
2,4-DB	0.600	0.600	0.505		0.558
Dinoseb	0.600	0.600	0.341		0.372

Matrix Spike - Batch: 600-19540

Method: 8151A
Preparation: 8151A

Lab Sample ID: 560-16836-2
Client Matrix: Water
Dilution: 10
Date Analyzed: 08/20/2009 1128
Date Prepared: 08/18/2009 1652

Analysis Batch: 600-19668
Prep Batch: 600-19540
Units: ug/L

Instrument ID: ECD-08
Lab File ID: BH19_050.D
Initial Weight/Volume: 1010 mL
Final Weight/Volume: 5.00 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Dalapon	<10	2.97	<9.9	14	12 - 127	
Dicamba	<0.10	0.594	0.507	85	0 - 129	J
MCPP	<26	59.4	84.1	142	50 - 150	J p
MCPA	<58	59.4	279	470	50 - 150	F
Dichlorprop	<0.30	0.594	0.351	59	25 - 113	J p
2,4-D	<0.40	0.594	<0.40	43	41 - 124	
Silvex (2,4,5-TP)	<0.20	0.594	0.461	78	47 - 119	J
2,4,5-T	<0.20	0.594	0.490	82	44 - 139	J p
2,4-DB	<0.50	0.594	3.42	576	13 - 165	p F
Dinoseb	<0.20	0.594	0.646	109	0 - 159	J

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Method Blank - Batch: 560-39000

Method: TX 1005
Preparation: TX_1005_W_Prep

Lab Sample ID: MB 560-39000/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 0354
Date Prepared: 08/19/2009 1547

Analysis Batch: 560-39040
Prep Batch: 560-39000
Units: mg/L

Instrument ID: SVGC#4
Lab File ID: 08190974.D
Initial Weight/Volume: 30 mL
Final Weight/Volume: 3 mL
Injection Volume:

Analyte	Result	Qual	MDL	RL
Over C12-C28	<0.47		0.47	5.0
Over C28-C35	<0.47		0.47	5.0
C6-C12	<0.47		0.47	5.0
C6-C35	<0.47		0.47	5.0

Surrogate	% Rec	Acceptance Limits
o-Terphenyl (Surr)	99	70 - 130
1-Chlorooctane (Surr)	91	70 - 130

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 560-39000

Method: TX 1005
Preparation: TX_1005_W_Prep

LCS Lab Sample ID: LCS 560-39000/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 0402
Date Prepared: 08/19/2009 1547

Analysis Batch: 560-39040
Prep Batch: 560-39000
Units: mg/L

Instrument ID: SVGC#4
Lab File ID: 08190975.D
Initial Weight/Volume: 30 mL
Final Weight/Volume: 3 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 560-39000/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 0411
Date Prepared: 08/19/2009 1547

Analysis Batch: 560-39040
Prep Batch: 560-39000
Units: mg/L

Instrument ID: SVGC#4
Lab File ID: 08190976.D
Initial Weight/Volume: 30 mL
Final Weight/Volume: 3 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
C6-C35	89	89	75 - 125	1	20		

Surrogate	LCS % Rec	LCSD % Rec		Acceptance Limits
o-Terphenyl (Surr)	100	189	X	70 - 130
1-Chlorooctane (Surr)	92	172	X	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 560-39000

Method: TX 1005
Preparation: TX_1005_W_Prep

LCS Lab Sample ID: LCS 560-39000/2-A
Units: mg/L
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 0402
Date Prepared: 08/19/2009 1547

LCSD Lab Sample ID: LCSD 560-39000/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 0411
Date Prepared: 08/19/2009 1547

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
C6-C35	33.3	33.3	29.8	29.5

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 560-39000

Method: TX 1005
Preparation: TX_1005_W_Prep

MS Lab Sample ID: 560-16836-2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 0428
Date Prepared: 08/19/2009 1547

Analysis Batch: 560-39040
Prep Batch: 560-39000

Instrument ID: SVGC#4
Lab File ID: 08190978.D
Initial Weight/Volume: 32.94 mL
Final Weight/Volume: 3 mL
Injection Volume:

MSD Lab Sample ID: 560-16836-2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 0437
Date Prepared: 08/19/2009 1547

Analysis Batch: 560-39040
Prep Batch: 560-39000

Instrument ID: SVGC#4
Lab File ID: 08190979.D
Initial Weight/Volume: 33.10 mL
Final Weight/Volume: 3 mL
Injection Volume:

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
C6-C35	86	87	75 - 125	0	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
o-Terphenyl (Surr)	92	97	70 - 130
1-Chlorooctane (Surr)	87	90	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 560-39000

Method: TX 1005
Preparation: TX_1005_W_Prep

MS Lab Sample ID:	560-16836-2	Units: mg/L	MSD Lab Sample ID:	560-16836-2
Client Matrix:	Water		Client Matrix:	Water
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	08/20/2009 0428		Date Analyzed:	08/20/2009 0437
Date Prepared:	08/19/2009 1547		Date Prepared:	08/19/2009 1547

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
C6-C35	1.8	J	30.4	30.2	27.9	28.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Method Blank - Batch: 560-38884

Method: 6020
Preparation: 3010A

Lab Sample ID: MB 560-38884/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2009 1458
Date Prepared: 08/17/2009 0830

Analysis Batch: 560-38922
Prep Batch: 560-38884
Units: mg/L

Instrument ID: Agilent ICPMS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Silver	<0.00094		0.00094	0.0050
Arsenic	<0.0015		0.0015	0.0050
Barium	<0.0012		0.0012	0.0050
Cadmium	<0.00085		0.00085	0.0025
Chromium	<0.0014		0.0014	0.0050
Lead	<0.0020		0.0020	0.0050
Selenium	<0.0011		0.0011	0.0050

Lab Control Sample - Batch: 560-38884

Method: 6020
Preparation: 3010A

Lab Sample ID: LCS 560-38884/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2009 1503
Date Prepared: 08/17/2009 0830

Analysis Batch: 560-38922
Prep Batch: 560-38884
Units: mg/L

Instrument ID: Agilent ICPMS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	0.400	0.344	86	80 - 120	
Arsenic	0.400	0.386	97	80 - 120	
Barium	0.400	0.378	94	80 - 120	
Cadmium	0.400	0.377	94	80 - 120	
Chromium	0.400	0.390	98	80 - 120	
Lead	0.400	0.382	95	80 - 120	
Selenium	0.400	0.386	97	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Method Blank - Batch: 560-38931

Method: 6020
Preparation: 3010A

Lab Sample ID: MB 560-38931/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/18/2009 1749
Date Prepared: 08/18/2009 0830

Analysis Batch: 560-38968
Prep Batch: 560-38931
Units: mg/L

Instrument ID: Agilent ICPMS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Silver	<0.00094		0.00094	0.0050
Arsenic	<0.0015		0.0015	0.0050
Barium	<0.0012		0.0012	0.0050
Cadmium	<0.00085		0.00085	0.0025
Chromium	<0.0014		0.0014	0.0050
Lead	<0.0020		0.0020	0.0050
Selenium	<0.0011		0.0011	0.0050

Lab Control Sample - Batch: 560-38931

Method: 6020
Preparation: 3010A

Lab Sample ID: LCS 560-38931/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/18/2009 1754
Date Prepared: 08/18/2009 0830

Analysis Batch: 560-38968
Prep Batch: 560-38931
Units: mg/L

Instrument ID: Agilent ICPMS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	0.400	0.352	88	80 - 120	
Arsenic	0.400	0.366	92	80 - 120	
Barium	0.400	0.355	89	80 - 120	
Cadmium	0.400	0.343	86	80 - 120	
Chromium	0.400	0.359	90	80 - 120	
Lead	0.400	0.360	90	80 - 120	
Selenium	0.400	0.334	84	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 560-38931

Method: 6020
Preparation: 3010A

MS Lab Sample ID:	560-16836-2	Analysis Batch:	560-38968	Instrument ID:	Agilent ICPMS
Client Matrix:	Water	Prep Batch:	560-38931	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/18/2009 1920			Final Weight/Volume:	50 mL
Date Prepared:	08/18/2009 0830				

MSD Lab Sample ID:	560-16836-2	Analysis Batch:	560-38968	Instrument ID:	Agilent ICPMS
Client Matrix:	Water	Prep Batch:	560-38931	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/18/2009 1930			Final Weight/Volume:	50 mL
Date Prepared:	08/18/2009 0830				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Silver	84	81	80 - 120	4	20		
Arsenic	85	82	80 - 120	3	20		
Barium	109	42	80 - 120	5	20	4	4
Cadmium	81	78	80 - 120	3	20		F
Chromium	88	84	80 - 120	4	20		
Lead	99	94	80 - 120	5	20		
Selenium	74	73	80 - 120	2	20	F	F

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 560-38931

Method: 6020
Preparation: 3010A

MS Lab Sample ID:	560-16836-2	Units: mg/L		MSD Lab Sample ID:	560-16836-2
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	08/18/2009 1920			Date Analyzed:	08/18/2009 1930
Date Prepared:	08/18/2009 0830			Date Prepared:	08/18/2009 0830

	Sample		MS Spike	MSD Spike	MS		MSD	
Analyte	Result/Qual		Amount	Amount	Result/Qual		Result/Qual	
Silver	<0.00094		0.400	0.400	0.338		0.324	
Arsenic	0.0083		0.400	0.400	0.347		0.336	
Barium	4.8		0.400	0.400	5.26	4	4.99	4
Cadmium	<0.00085		0.400	0.400	0.324		0.314	F
Chromium	0.0045	J	0.400	0.400	0.355		0.340	
Lead	0.0031	J	0.400	0.400	0.400		0.379	
Selenium	0.0021	J	0.400	0.400	0.298	F	0.292	F

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Method Blank - Batch: 560-39032

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 560-39032/4-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1708
Date Prepared: 08/19/2009 1000

Analysis Batch: 560-39023
Prep Batch: 560-39032
Units: mg/L

Instrument ID: Mercury Analyzer Leeman -
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	<0.00013		0.00013	0.0020

Lab Control Sample - Batch: 560-39032

Method: 7470A
Preparation: 7470A

Lab Sample ID: LCS 560-39032/5-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/19/2009 1710
Date Prepared: 08/19/2009 1000

Analysis Batch: 560-39023
Prep Batch: 560-39032
Units: mg/L

Instrument ID: Mercury Analyzer Leeman -
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00500	0.00525	105	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Method Blank - Batch: 560-39050

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 560-39050/4-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 1252
Date Prepared: 08/20/2009 0800

Analysis Batch: 560-39042
Prep Batch: 560-39050
Units: mg/L

Instrument ID: Mercury Analyzer Leeman -
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	<0.00013		0.00013	0.0020

Lab Control Sample - Batch: 560-39050

Method: 7470A
Preparation: 7470A

Lab Sample ID: LCS 560-39050/5-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 1255
Date Prepared: 08/20/2009 0800

Analysis Batch: 560-39042
Prep Batch: 560-39050
Units: mg/L

Instrument ID: Mercury Analyzer Leeman -
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00500	0.00561	112	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 560-39050

Method: 7470A
Preparation: 7470A

MS Lab Sample ID: 560-16836-2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 1302
Date Prepared: 08/20/2009 0800

Analysis Batch: 560-39042
Prep Batch: 560-39050

Instrument ID: Mercury Analyzer Leeman -
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 560-16836-2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 1304
Date Prepared: 08/20/2009 0800

Analysis Batch: 560-39042
Prep Batch: 560-39050

Instrument ID: Mercury Analyzer Leeman -
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	97	92	80 - 120	5	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 560-39050

Method: 7470A
Preparation: 7470A

MS Lab Sample ID:	560-16836-2	Units: mg/L	MSD Lab Sample ID:	560-16836-2
Client Matrix:	Water		Client Matrix:	Water
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	08/20/2009 1302		Date Analyzed:	08/20/2009 1304
Date Prepared:	08/20/2009 0800		Date Prepared:	08/20/2009 0800

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	<0.00013	0.00250	0.00250	0.00243	0.00230

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Method Blank - Batch: 560-38990

Method: 415.1
Preparation: N/A

Lab Sample ID: MB 560-38990/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/18/2009 1112
Date Prepared: N/A

Analysis Batch: 560-38990
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	<0.28		0.28	1.0

Lab Control Sample - Batch: 560-38990

Method: 415.1
Preparation: N/A

Lab Sample ID: LCS 560-38990/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/18/2009 1112
Date Prepared: N/A

Analysis Batch: 560-38990
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	100	108	108	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 560-38990

Method: 415.1
Preparation: N/A

MS Lab Sample ID: 560-16836-2
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 08/18/2009 1112
Date Prepared: N/A

Analysis Batch: 560-38990
Prep Batch: N/A

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

MSD Lab Sample ID: 560-16836-2
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 08/18/2009 1112
Date Prepared: N/A

Analysis Batch: 560-38990
Prep Batch: N/A

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Organic Carbon	-196	-205	75 - 125	0	20	4	4

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 560-38990

Method: 415.1
Preparation: N/A

MS Lab Sample ID:	560-16836-2	Units: mg/L	MSD Lab Sample ID:	560-16836-2
Client Matrix:	Water		Client Matrix:	Water
Dilution:	2.0		Dilution:	2.0
Date Analyzed:	08/18/2009 1112		Date Analyzed:	08/18/2009 1112
Date Prepared:	N/A		Date Prepared:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Total Organic Carbon	480	20.0	20.0	439	4	438	4

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Lab Control Sample - Batch: 560-39048

Method: 9040C
Preparation: N/A

Lab Sample ID: LCS 560-39048/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2009 0900
Date Prepared: N/A

Analysis Batch: 560-39048
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 20 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
pH	4.99	5.01	100	98 - 102	

Duplicate - Batch: 560-39048

Method: 9040C
Preparation: N/A

Lab Sample ID: 560-16836-4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2009 0900
Date Prepared: N/A

Analysis Batch: 560-39048
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 20 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	5.6	5.58	1	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16836-1

Laboratory Chronicle

Lab ID: **560-16836-1** **Client ID:** **Trip Blank**

Sample Date/Time: 08/14/2009 00:00 Received Date/Time: 08/15/2009 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	560-16836-A-1		560-38897		08/18/2009 01:52	1	TAL CC	SG
A:8260B	560-16836-A-1		560-38897		08/18/2009 01:52	1	TAL CC	SG

Lab ID: **560-16836-2** **Client ID:** **LF-LEC-G3-DUP**

Sample Date/Time: 08/14/2009 08:35 Received Date/Time: 08/15/2009 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	560-16836-A-2		560-38942		08/18/2009 18:37	1	TAL CC	SG
A:8260B	560-16836-A-2		560-38942		08/18/2009 18:37	1	TAL CC	SG
P:3520C	560-16836-G-2-A		560-38959	560-38943	08/18/2009 13:00	1	TAL CC	AY
A:8270C	560-16836-G-2-A		560-38959	560-38943	08/19/2009 13:15	1	TAL CC	GEF
P:3520C	560-16836-H-2-B		560-39026	560-39009	08/19/2009 11:00	1	TAL CC	LPM
P:3520C	560-16836-H-2-B		560-39027	560-39009	08/19/2009 11:00	1	TAL CC	LPM
A:8081B	560-16836-H-2-B		560-39026	560-39009	08/20/2009 17:31	1	TAL CC	RH
A:8081B	560-16836-H-2-B		560-39027	560-39009	08/20/2009 17:31	1	TAL CC	RH
P:3520C	560-16836-H-2-B		560-39342	560-39009	08/19/2009 11:00	1	TAL CC	LPM
A:8081B	560-16836-H-2-B		560-39342	560-39009	08/28/2009 12:29	1	TAL CC	RH
P:8151A	560-16836-L-2-A		600-19668	600-19540	08/18/2009 16:52	10	TAL HOU	SMB
A:8151A	560-16836-L-2-A		600-19668	600-19540	08/20/2009 10:59	10	TAL HOU	KP
P:TX_1005_W_Prep	560-16836-D-2-A		560-39040	560-39000	08/19/2009 15:47	1	TAL CC	BM
A:TX 1005	560-16836-D-2-A		560-39040	560-39000	08/20/2009 04:20	1	TAL CC	BC
P:3010A	560-16836-A-2-A		560-38968	560-38931	08/18/2009 08:30	1	TAL CC	SRF
A:6020	560-16836-A-2-A		560-38968	560-38931	08/18/2009 19:10	1	TAL CC	JEM
P:3010A	560-16836-A-2-A		560-39099	560-38931	08/18/2009 08:30	5	TAL CC	SRF
A:6020	560-16836-A-2-A		560-39099	560-38931	08/21/2009 19:09	5	TAL CC	EDR
P:7470A	560-16836-A-2-G		560-39042	560-39050	08/20/2009 08:00	1	TAL CC	JEM
A:7470A	560-16836-A-2-G		560-39042	560-39050	08/20/2009 13:00	1	TAL CC	JEM
A:415.1	560-16836-A-2		560-38990		08/18/2009 11:12	2	TAL CC	AH
A:9040C	560-16836-A-2		560-39048		08/17/2009 09:00	1	TAL CC	SG

Client: ARGO Systems LLC

Job Number: 560-16836-1

Laboratory Chronicle

Lab ID: **560-16836-2** **Client ID:** **LF-LEC-G3-DUP**

Sample Date/Time: 08/14/2009 08:35 Received Date/Time: 08/15/2009 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	560-16836-B-2 MS		560-38942		08/18/2009 14:28	1	TAL CC	SG
A:8260B	560-16836-B-2 MS		560-38942		08/18/2009 14:28	1	TAL CC	SG
P:3520C	560-16836-H-2-A MS		560-38959	560-38943	08/18/2009 13:00	1	TAL CC	AY
A:8270C	560-16836-H-2-A MS		560-38959	560-38943	08/19/2009 11:59	1	TAL CC	GEF
P:3520C	560-16836-G-2-B MS		560-39026	560-39009	08/19/2009 11:00	1	TAL CC	LPM
A:8081B	560-16836-G-2-B MS		560-39026	560-39009	08/20/2009 17:54	1	TAL CC	RH
P:3520C	560-16836-G-2-B MS		560-39342	560-39009	08/19/2009 11:00	1	TAL CC	LPM
A:8081B	560-16836-G-2-B MS		560-39342	560-39009	08/28/2009 12:53	1	TAL CC	RH
P:8151A	560-16836-L-2-B MS		600-19668	600-19540	08/18/2009 16:52	10	TAL HOU	SMB
A:8151A	560-16836-L-2-B MS		600-19668	600-19540	08/20/2009 11:28	10	TAL HOU	KP
P:TX_1005_W_Prep	560-16836-D-2-B MS		560-39040	560-39000	08/19/2009 15:47	1	TAL CC	BM
A:TX 1005	560-16836-D-2-B MS		560-39040	560-39000	08/20/2009 04:28	1	TAL CC	BC
P:3010A	560-16836-A-2-B MS		560-38968	560-38931	08/18/2009 08:30	1	TAL CC	SRF
A:6020	560-16836-A-2-B MS		560-38968	560-38931	08/18/2009 19:20	1	TAL CC	JEM
P:7470A	560-16836-A-2-H MS		560-39042	560-39050	08/20/2009 08:00	1	TAL CC	JEM
A:7470A	560-16836-A-2-H MS		560-39042	560-39050	08/20/2009 13:02	1	TAL CC	JEM
A:415.1	560-16836-A-2 MS		560-38990		08/18/2009 11:12	2	TAL CC	AH

Lab ID: **560-16836-2** **Client ID:** **LF-LEC-G3-DUP**

Sample Date/Time: 08/14/2009 08:35 Received Date/Time: 08/15/2009 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	560-16836-B-2 MSD		560-38942		08/18/2009 14:54	1	TAL CC	SG
A:8260B	560-16836-B-2 MSD		560-38942		08/18/2009 14:54	1	TAL CC	SG
P:TX_1005_W_Prep	560-16836-C-2-A MSD		560-39040	560-39000	08/19/2009 15:47	1	TAL CC	BM
A:TX 1005	560-16836-C-2-A MSD		560-39040	560-39000	08/20/2009 04:37	1	TAL CC	BC
P:3010A	560-16836-A-2-C MSD		560-38968	560-38931	08/18/2009 08:30	1	TAL CC	SRF
A:6020	560-16836-A-2-C MSD		560-38968	560-38931	08/18/2009 19:30	1	TAL CC	JEM
P:7470A	560-16836-A-2-I MSD		560-39042	560-39050	08/20/2009 08:00	1	TAL CC	JEM
A:7470A	560-16836-A-2-I MSD		560-39042	560-39050	08/20/2009 13:04	1	TAL CC	JEM
A:415.1	560-16836-A-2 MSD		560-38990		08/18/2009 11:12	2	TAL CC	AH

Client: ARGO Systems LLC

Job Number: 560-16836-1

Laboratory Chronicle

Lab ID: **560-16836-3** **Client ID:** **LF-LEC-RB**

Sample Date/Time: 08/14/2009 10:15 Received Date/Time: 08/15/2009 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	560-16836-A-3		560-38942		08/18/2009 19:02	1	TAL CC	SG
A:8260B	560-16836-A-3		560-38942		08/18/2009 19:02	1	TAL CC	SG
P:3520C	560-16836-G-3-A		560-38959	560-38943	08/18/2009 13:00	1	TAL CC	AY
A:8270C	560-16836-G-3-A		560-38959	560-38943	08/19/2009 17:25	1	TAL CC	GEF
P:3520C	560-16836-H-3-A		560-39026	560-39009	08/19/2009 11:00	1	TAL CC	LPM
P:3520C	560-16836-H-3-A		560-39027	560-39009	08/19/2009 11:00	1	TAL CC	LPM
A:8081B	560-16836-H-3-A		560-39026	560-39009	08/20/2009 18:18	1	TAL CC	RH
A:8081B	560-16836-H-3-A		560-39027	560-39009	08/20/2009 18:18	1	TAL CC	RH
P:3520C	560-16836-H-3-A		560-39342	560-39009	08/19/2009 11:00	1	TAL CC	LPM
A:8081B	560-16836-H-3-A		560-39342	560-39009	08/28/2009 13:16	1	TAL CC	RH
P:8151A	560-16836-L-3-A		600-19668	600-19540	08/18/2009 16:52	10	TAL HOU	SMB
A:8151A	560-16836-L-3-A		600-19668	600-19540	08/20/2009 11:56	10	TAL HOU	KP
P:TX_1005_W_Prep	560-16836-E-3-A		560-39040	560-39000	08/19/2009 15:47	1	TAL CC	BM
A:TX 1005	560-16836-E-3-A		560-39040	560-39000	08/20/2009 04:45	1	TAL CC	BC
P:3010A	560-16836-A-3-A		560-38922	560-38884	08/17/2009 08:30	1	TAL CC	SRF
A:6020	560-16836-A-3-A		560-38922	560-38884	08/17/2009 16:00	1	TAL CC	JEM
P:7470A	560-16836-A-3-B		560-39023	560-39032	08/19/2009 10:00	1	TAL CC	JEM
A:7470A	560-16836-A-3-B		560-39023	560-39032	08/19/2009 18:00	1	TAL CC	JEM
A:415.1	560-16836-A-3		560-38990		08/18/2009 11:12	1	TAL CC	AH
A:9040C	560-16836-A-3		560-39048		08/17/2009 09:00	1	TAL CC	SG

Client: ARGO Systems LLC

Job Number: 560-16836-1

Laboratory Chronicle

Lab ID: **560-16836-4** **Client ID:** **LF-LEC-FB**

Sample Date/Time: 08/14/2009 10:30 Received Date/Time: 08/15/2009 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	560-16836-A-4		560-38942		08/18/2009 19:26	1	TAL CC	SG
A:8260B	560-16836-A-4		560-38942		08/18/2009 19:26	1	TAL CC	SG
P:3520C	560-16836-G-4-A		560-38959	560-38943	08/18/2009 13:00	1	TAL CC	AY
A:8270C	560-16836-G-4-A		560-38959	560-38943	08/19/2009 17:50	1	TAL CC	GEF
P:3520C	560-16836-H-4-A		560-39026	560-39009	08/19/2009 11:00	1	TAL CC	LPM
P:3520C	560-16836-H-4-A		560-39027	560-39009	08/19/2009 11:00	1	TAL CC	LPM
A:8081B	560-16836-H-4-A		560-39026	560-39009	08/20/2009 18:41	1	TAL CC	RH
A:8081B	560-16836-H-4-A		560-39027	560-39009	08/20/2009 18:41	1	TAL CC	RH
P:3520C	560-16836-H-4-A		560-39342	560-39009	08/19/2009 11:00	1	TAL CC	LPM
A:8081B	560-16836-H-4-A		560-39342	560-39009	08/28/2009 13:39	1	TAL CC	RH
P:8151A	560-16836-L-4-A		600-19668	600-19540	08/18/2009 16:52	10	TAL HOU	SMB
A:8151A	560-16836-L-4-A		600-19668	600-19540	08/20/2009 12:24	10	TAL HOU	KP
P:TX_1005_W_Prep	560-16836-D-4-A		560-39040	560-39000	08/19/2009 15:47	1	TAL CC	BM
A:TX 1005	560-16836-D-4-A		560-39040	560-39000	08/20/2009 04:54	1	TAL CC	BC
P:3010A	560-16836-A-4-A		560-38922	560-38884	08/17/2009 08:30	1	TAL CC	SRF
A:6020	560-16836-A-4-A		560-38922	560-38884	08/17/2009 16:05	1	TAL CC	JEM
P:7470A	560-16836-A-4-B		560-39023	560-39032	08/19/2009 10:00	1	TAL CC	JEM
A:7470A	560-16836-A-4-B		560-39023	560-39032	08/19/2009 18:02	1	TAL CC	JEM
A:415.1	560-16836-A-4		560-38990		08/18/2009 11:12	1	TAL CC	AH
A:9040C	560-16836-A-4		560-39048		08/17/2009 09:00	1	TAL CC	SG

Lab ID: **560-16836-4 DU** **Client ID:** **LF-LEC-FB**

Sample Date/Time: 08/14/2009 10:30 Received Date/Time: 08/15/2009 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9040C	560-16836-A-4 DU		560-39048		08/17/2009 09:00	1	TAL CC	SG

Client: ARGO Systems LLC

Job Number: 560-16836-1

Laboratory Chronicle

Lab ID: **MB** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 560-38897/8		560-38897		08/17/2009 17:38	1	TAL CC	SG
A:8260B	MB 560-38897/8		560-38897		08/17/2009 17:38	1	TAL CC	SG
P:5030B	MB 560-38942/8		560-38942		08/18/2009 16:08	1	TAL CC	SG
A:8260B	MB 560-38942/8		560-38942		08/18/2009 16:08	1	TAL CC	SG
P:3520C	MB 560-38943/1-A		560-38959	560-38943	08/18/2009 13:00	1	TAL CC	AY
A:8270C	MB 560-38943/1-A		560-38959	560-38943	08/19/2009 10:19	1	TAL CC	GEF
P:3520C	MB 560-39009/1-A		560-39026	560-39009	08/19/2009 11:00	1	TAL CC	LPM
P:3520C	MB 560-39009/1-A		560-39027	560-39009	08/19/2009 11:00	1	TAL CC	LPM
A:8081B	MB 560-39009/1-A		560-39026	560-39009	08/20/2009 14:46	1	TAL CC	RH
A:8081B	MB 560-39009/1-A		560-39027	560-39009	08/20/2009 14:46	1	TAL CC	RH
P:8151A	MB 600-19540/1-A		600-19668	600-19540	08/18/2009 16:52	1	TAL HOU	SMB
A:8151A	MB 600-19540/1-A		600-19668	600-19540	08/20/2009 04:35	1	TAL HOU	KP
P:TX_1005_W_Prep	MB 560-39000/1-A		560-39040	560-39000	08/19/2009 15:47	1	TAL CC	BM
A:TX 1005	MB 560-39000/1-A		560-39040	560-39000	08/20/2009 03:54	1	TAL CC	BC
P:3010A	MB 560-38884/1-A		560-38922	560-38884	08/17/2009 08:30	1	TAL CC	SRF
A:6020	MB 560-38884/1-A		560-38922	560-38884	08/17/2009 14:58	1	TAL CC	JEM
P:3010A	MB 560-38931/1-A		560-38968	560-38931	08/18/2009 08:30	1	TAL CC	SRF
A:6020	MB 560-38931/1-A		560-38968	560-38931	08/18/2009 17:49	1	TAL CC	JEM
P:7470A	MB 560-39032/4-A		560-39023	560-39032	08/19/2009 10:00	1	TAL CC	JEM
A:7470A	MB 560-39032/4-A		560-39023	560-39032	08/19/2009 17:08	1	TAL CC	JEM
P:7470A	MB 560-39050/4-A		560-39042	560-39050	08/20/2009 08:00	1	TAL CC	JEM
A:7470A	MB 560-39050/4-A		560-39042	560-39050	08/20/2009 12:52	1	TAL CC	JEM
A:415.1	MB 560-38990/3		560-38990		08/18/2009 11:12	1	TAL CC	AH

Client: ARGO Systems LLC

Job Number: 560-16836-1

Laboratory Chronicle

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 560-38897/3		560-38897		08/17/2009 15:35	1	TAL CC	SG
A:8260B	LCS 560-38897/3		560-38897		08/17/2009 15:35	1	TAL CC	SG
P:5030B	LCS 560-38942/3		560-38942		08/18/2009 14:03	1	TAL CC	SG
A:8260B	LCS 560-38942/3		560-38942		08/18/2009 14:03	1	TAL CC	SG
P:3520C	LCS 560-38943/2-A		560-38959	560-38943	08/18/2009 13:00	1	TAL CC	AY
A:8270C	LCS 560-38943/2-A		560-38959	560-38943	08/19/2009 10:44	1	TAL CC	GEF
P:3520C	LCS 560-39009/4-A		560-39027	560-39009	08/19/2009 11:00	1	TAL CC	LPM
A:8081B	LCS 560-39009/4-A		560-39027	560-39009	08/20/2009 15:57	1	TAL CC	RH
P:3520C	LCS 560-39009/6-A		560-39026	560-39009	08/19/2009 11:00	1	TAL CC	LPM
A:8081B	LCS 560-39009/6-A		560-39026	560-39009	08/20/2009 16:44	1	TAL CC	RH
P:8151A	LCS 600-19540/2-A		600-19668	600-19540	08/18/2009 16:52	1	TAL HOU	SMB
A:8151A	LCS 600-19540/2-A		600-19668	600-19540	08/20/2009 05:03	1	TAL HOU	KP
P:TX_1005_W_Prep	LCS 560-39000/2-A		560-39040	560-39000	08/19/2009 15:47	1	TAL CC	BM
A:TX 1005	LCS 560-39000/2-A		560-39040	560-39000	08/20/2009 04:02	1	TAL CC	BC
P:3010A	LCS 560-38884/2-A		560-38922	560-38884	08/17/2009 08:30	1	TAL CC	SRF
A:6020	LCS 560-38884/2-A		560-38922	560-38884	08/17/2009 15:03	1	TAL CC	JEM
P:3010A	LCS 560-38931/2-A		560-38968	560-38931	08/18/2009 08:30	1	TAL CC	SRF
A:6020	LCS 560-38931/2-A		560-38968	560-38931	08/18/2009 17:54	1	TAL CC	JEM
P:7470A	LCS 560-39032/5-A		560-39023	560-39032	08/19/2009 10:00	1	TAL CC	JEM
A:7470A	LCS 560-39032/5-A		560-39023	560-39032	08/19/2009 17:10	1	TAL CC	JEM
P:7470A	LCS 560-39050/5-A		560-39042	560-39050	08/20/2009 08:00	1	TAL CC	JEM
A:7470A	LCS 560-39050/5-A		560-39042	560-39050	08/20/2009 12:55	1	TAL CC	JEM
A:415.1	LCS 560-38990/4		560-38990		08/18/2009 11:12	1	TAL CC	AH
A:9040C	LCS 560-39048/2		560-39048		08/17/2009 09:00	1	TAL CC	SG

Client: ARGO Systems LLC

Job Number: 560-16836-1

Laboratory Chronicle

Lab ID: **LCSD** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3520C	LCSD 560-38943/3-A		560-38959	560-38943	08/18/2009 13:00	1	TAL CC	AY
A:8270C	LCSD 560-38943/3-A		560-38959	560-38943	08/19/2009 11:09	1	TAL CC	GEF
P:3520C	LCSD 560-39009/5-A		560-39027	560-39009	08/19/2009 11:00	1	TAL CC	LPM
A:8081B	LCSD 560-39009/5-A		560-39027	560-39009	08/20/2009 16:20	1	TAL CC	RH
P:3520C	LCSD 560-39009/7-A		560-39026	560-39009	08/19/2009 11:00	1	TAL CC	LPM
A:8081B	LCSD 560-39009/7-A		560-39026	560-39009	08/20/2009 17:07	1	TAL CC	RH
P:8151A	LCSD 600-19540/3-A		600-19668	600-19540	08/18/2009 16:52	1	TAL HOU	SMB
A:8151A	LCSD 600-19540/3-A		600-19668	600-19540	08/20/2009 05:31	1	TAL HOU	KP
P:TX_1005_W_Prep	LCSD 560-39000/3-A		560-39040	560-39000	08/19/2009 15:47	1	TAL CC	BM
A:TX 1005	LCSD 560-39000/3-A		560-39040	560-39000	08/20/2009 04:11	1	TAL CC	BC

Lab References:

TAL CC = TestAmerica Corpus Christi

TAL HOU = TestAmerica Houston

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- [ ] TestAmerica Austin - 14500 Summit Drive, A-100 Austin, Texas 78728
- [ ] TestAmerica Houston - 6310 Rothway Street, Houston, Texas 77040
- [ ] TestAmerica Savannah - 5102 LaRoche Avenue, Savannah, GA 31404
- [x] TestAmerica Corpus Christi - 1733 NPID, Corpus Christi, Texas 78408
- [ ] TestAmerica Nashville - 2960 Foster Creighton Dr., Nashville, TN 37204
- [ ] Other _____

Customer Information		Project Information		Analyses / Method Requested
P.O. Project # 1462303		Project Name	EPA RFO-20 Weslaco, TX	A. VOC'S (8260B)
W.O.		Lab Number		B. TPH (TX1005)
Company	EA Engineering	Bill To	Argo Systems	C. RCRA 8 Metals w/ Mercury (6020)
Send Report To:	MARK PADDACK	Invoice Attn	Dick Roop	D.
Address:	405 S. Hwy 121 Building C Suite 100	Address:	1403 Madison Park Drive Suite 205	E.
				F.
City/State/Zip	Lewisville, Texas 75067	City/State/Zip	Glen Bernie MD 21061	G.
Phone	972-315-3922	Phone	1-410-768-5916	H.
Fax	972-315-5181	Fax		I.

Sx No.	Sample Description	Sample Date	Sample Time	Sample Matrix	Container Type	Preservative	No. of Bottles	A	B	C	D	E	F	G	H	I	J	K	L	Comments
1	LF-LEC-G3-Dup	8-14-09	8:35	W	Plastic/ VOA	HCl/HNO3	7	X	X	X										
2	LF-LEC-G3-MS/MSD	8-14-09	9:44	W	Plastic/ VOA	HCl/HNO3	7	X	X	X										
3	LF-LEC-RB	8-14-09	10:15	W	Plastic/ Voa	HCl/HNO3	7	X	X	X										
4	LF-LEC-FB	8-14-09	10:30	W	Plastic/ Voa	HCl/HNO3	7	X	X	X										
5	Trip Blank	8-7-09	8:30	W	VOA	HCL	2	X												
6																				
7																				
8																				
9																				
10																				

Shipment Method: FEDEX
Airbill No.: 8684 4750 9752
Required Turnaround: Standard

Relinquished by:	Date	Relinquished by:	Date	Relinquished by:	Date
Mark Paddack	8-14-09				
Company Name: EA Engineering	Time 19:24	Company Name:	Time	Company Name:	Time
Received by: Paul Ortiz	Date 8-15-09	Received by:	Date	Received by:	Date
Company Name: Test America Corpus Christi	Time 09:45	Company Name:	Time	Company Name:	Time

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- [ ] TestAmerica Austin - 14500 Summit Drive, A-100 Austin, Texas 78728
- [ ] TestAmerica Houston - 6310 Rothway Street, Houston, Texas 77040
- [ ] TestAmerica Savannah - 5102 LaRoche Avenue, Savannah, GA 31404
- [x] TestAmerica Corpus Christi - 1733 NPID, Corpus Christi, Texas 78408
- [ ] TestAmerica Nashville - 2960 Foster Creighton Dr., Nashville, TN 37204
- [ ] Other _____

Customer Information		Project Information		Analyses / Method Requested
P.O.	Project # 1462303	Project Name	EPA RFO-20 Weslaco, TX	A. SVOCs (8270C)
W.O.		Lab Number		B. Herbicides (8151A)
Company	EA Engineering	Bill To	ARGO Systems	C. Pesticides (8081A)
Send Report To:	MARK PADDACK	Invoice Attn	Dick Roop	D. pH (9040B)
Address:	405 S. Hwy 121 Building C Suite 100	Address:	1403 Madison Park Drive, Suite 205	E. TOC (415.1)
				F.
City/State/Zip	Lewisville, Texas 75067	City/State/Zip	Glen Bernie, MD 21061	G.
Phone	972-315-3922	Phone	1-410-768-5916	H.
Fax	972-315-5181	Fax		I.

Sx No.	Sample Description	Sample Date	Sample Time	Sample Matrix	Container Type	Preservative	No. of Bottles	A	B	C	D	E	F	G	H	I	J	K	L	Comments
1	LF-LEC-G3-DUP	8-14-09	8:35	W	Amber/Plastic	None/H2SO4	5	X	X	X	X	X								
2	LF-LEC-G3-MS/MSD	8-14-09	9:44	W	Amber/Plastic	None H2SO4	5	X	X	X	X	X								
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

Shipment Method: FEDEX | Airbill No.: 8684 4750 9741 | Required Turnaround: Standard

Relinquished by: Mark Paddack	Date 8-14-09	Relinquished by:	Date	Relinquished by:	Date
Company Name: EA Engineering	Time 19:02	Company Name:	Time	Company Name:	Time
Received by: Paul Orhi	Date 8/15/09	Received by:	Date	Received by:	Date
Company Name: Test America	Time 0945	Company Name:	Time	Company Name:	Time

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- [ ] TestAmerica Austin - 14500 Summit Drive, A-100 Austin, Texas 78728
- [ ] TestAmerica Houston - 6310 Rothway Street, Houston, Texas 77040
- [ ] TestAmerica Savannah - 5102 LaRoche Avenue, Savannah, GA 31404
- [x] TestAmerica Corpus Christi - 1733 NPID, Corpus Christi, Texas 78408
- [ ] TestAmerica Nashville - 2960 Foster Creighton Dr., Nashville, TN 37204
- [ ] Other _____

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Customer Information		Project Information		Analyses / Method Requested
P.O.	Project# 1462303	Project Name	EPA RFO-20 Weslaco, TX	A. SVOCs (8270C)
W.O.		Lab Number		B. Herbicides (8151A)
Company	EA Engineering	Bill To	ARGO Systems	C. Pesticides (8081A)
Send Report To:	Mark Paddack	Invoice Attn	Dick Roop	D. pH (9040B)
Address:	405 S. Hwy 121 Building C Suite 100	Address:	1403 Madison Park Drive, Suite 205	E. TOC (415.1)
				F.
City/State/Zip	Lewisville, Texas 75067	City/State/Zip	Glen Bernie MD 21061	G.
Phone	972-315-3922	Phone	1-410-768-5916	H.
Fax	972-315-5181	Fax		I.

Sx No.	Sample Description	Sample Date	Sample Time	Sample Matrix	Container Type	Preservative	No. of Bottles	A	B	C	D	E	F	G	H	I	J	K	L	Comments
1	LF-LEC-RB	8-14-09	10:15	W	Plastic Liter Amber	None H2SO4	5	X	X	X	X	X								
2	LF-LEC-FB	8-14-09	10:30	W	Plastic Liter Amber	None H2SO4	5	X	X	X	X	X								
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

Shipment Method: FEDEX | Airbill No.: 8684 4750 9730 | Required Turnaround: Standard

Relinquished by: Mark Paddack	Date 8-14-09	Relinquished by: [signature]	Date	Relinquished by:	Date
Company Name: EA Engineering	Time 18:43	Company Name:	Time	Company Name:	Time
Received by: Paul Ortiz	Date 8-15-09	Received by:	Date	Received by:	Date
Company Name: Test America Corpus Christi	Time 0945	Company Name:	Time	Company Name:	Time

Login Sample Receipt Check List

Client: ARGO Systems LLC

Job Number: 560-16836-1

Login Number: 16836

List Source: TestAmerica Corpus Christi

Creator: Ortiz, Paul

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1c, 2.7c, 3.7c IR 5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	No extra sample provided for requested MS/MSD
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	False	Sxs 1 and 2 received 2 vials each with headspace
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

Login Sample Receipt Check List

Client: ARGO Systems LLC

Job Number: 560-16836-1

Login Number: 16836
Creator: Trenery, Michael J
List Number: 1

List Source: TestAmerica Houston
List Creation: 08/18/09 09:39 AM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

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ANALYTICAL REPORT

Job Number: 560-16847-1

Job Description: EPA RFO-20 - Weslaco, Texas

For:
ARGO Systems LLC
1403 Madison Park Drive
Suite 205
Glen Burnie, MD 21061

Attention: Mr. Robert D Roop

Approved for release.
Julie Darrow
Project Manager I
8/31/2009 2:59 PM

Julie Darrow
Project Manager I
julie.darrow@testamericainc.com
08/31/2009

cc: Mr. Mark Paddack
Mr. Brian Yost

The test results entered in this report meet all NELAC requirements for accredited parameters. Any exceptions to NELAC requirements are noted in the report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory. TestAmerica Corpus Christi Certifications and Approvals: NELAC TX T104704210-TX, NELAC KS E-10362, Oklahoma 9968, USDA Soil Permit P330-08-00033.

Semivolatile Organics Analysis

Sample 560-16847-1 was analyzed for Semivolatile Organics using EPA Method 8270C in batch 560-38959. The percent recovery results for the LCS associated with this batch and sample 1 were above the acceptance criteria for 2-nitroaniline, pyrene, and benzo(a)pyrene. These analytes were biased high in the LCS and/or and were not detected in the associated samples; therefore, the data have been reported. In addition, insufficient sample volume was provided to perform matrix spike and matrix spike duplicate; however an LCS and LCSD were analyzed.

Organochlorine Pesticides

Sample 560-16827-2 was extracted and analyzed for Organochlorine Pesticides using EPA Method 3520C/8081B in batch 560-39009/39026. Insufficient sample volume was provided to perform matrix spike and matrix spike duplicate; however an LCS and LCSD were analyzed.

No other analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: ARGO Systems LLC

Job Number: 560-16847-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
560-16847-1	**LF-GW-G1**					
Diethyl phthalate		2.4	J	9.9	ug/L	8270C

METHOD SUMMARY

Client: ARGO Systems LLC

Job Number: 560-16847-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL CC	SW846 8270C	
Liquid-Liquid Extraction (Continuous)	TAL CC		SW846 3520C
Organochlorine Pesticides by Gas Chromatography	TAL CC	SW846 8081B	
Liquid-Liquid Extraction (Continuous)	TAL CC		SW846 3520C

Lab References:

TAL CC = TestAmerica Corpus Christi

Method References:

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

METHOD / ANALYST SUMMARY

Client: ARGO Systems LLC

Job Number: 560-16847-1

Method	Analyst	Analyst ID
SW846 8270C	Fisher, Gayland E	GEF
SW846 8081B	Haas, Richard	RH

SAMPLE SUMMARY

Client: ARGO Systems LLC

Job Number: 560-16847-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
560-16847-1	LF-GW-G1	Water	08/14/2009 0803	08/15/2009 1452
560-16847-2	LF-GW-G1	Water	08/13/2009 0940	08/15/2009 1452

SAMPLE RESULTS

Client: ARGO Systems LLC

Job Number: 560-16847-1

Client Sample ID: **LF-GW-G1**

Lab Sample ID: 560-16847-1

Client Matrix: Water

Date Sampled: 08/14/2009 0803

Date Received: 08/15/2009 1452

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-38959		Instrument ID:	SVGCMS#2
Preparation:	3520C	Prep Batch: 560-38943		Lab File ID:	08190925.D
Dilution:	1.0			Initial Weight/Volume:	1010 mL
Date Analyzed:	08/19/2009 1905			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	<0.99		0.99	9.9
Bis(2-chloroethyl)ether	<0.70		0.70	9.9
2-Chlorophenol	<0.99		0.99	9.9
1,3-Dichlorobenzene	<0.99		0.99	9.9
1,4-Dichlorobenzene	<0.99		0.99	9.9
Benzyl alcohol	<1.4		1.4	9.9
1,2-Dichlorobenzene	<0.99		0.99	9.9
2-Methylphenol	<0.50		0.50	9.9
3 & 4 Methylphenol	<2.0		2.0	20
N-Nitrosodi-n-propylamine	<0.64		0.64	9.9
Hexachloroethane	<0.58		0.58	9.9
Nitrobenzene	<0.50		0.50	9.9
Isophorone	<0.62		0.62	9.9
2-Nitrophenol	<0.99		0.99	9.9
2,4-Dimethylphenol	<0.55		0.55	9.9
Bis(2-chloroethoxy)methane	<0.59		0.59	9.9
2,4-Dichlorophenol	<0.99		0.99	9.9
1,2,4-Trichlorobenzene	<0.99		0.99	9.9
Naphthalene	<0.50		0.50	9.9
4-Chloroaniline	<0.50		0.50	9.9
Hexachlorobutadiene	<0.99		0.99	9.9
4-Chloro-3-methylphenol	<0.99		0.99	9.9
2-Methylnaphthalene	<0.50		0.50	9.9
Hexachlorocyclopentadiene	<1.3		1.3	9.9
2,4,6-Trichlorophenol	<0.99		0.99	9.9
2,4,5-Trichlorophenol	<0.99		0.99	9.9
2-Chloronaphthalene	<0.50		0.50	9.9
2-Nitroaniline	<0.99	*	0.99	9.9
Dimethyl phthalate	<0.54		0.54	9.9
Acenaphthylene	<0.50		0.50	9.9
2,6-Dinitrotoluene	<0.99		0.99	9.9
3-Nitroaniline	<1.8		1.8	9.9
Acenaphthene	<0.56		0.56	9.9
2,4-Dinitrophenol	<5.0		5.0	9.9
4-Nitrophenol	<5.0		5.0	9.9
Dibenzofuran	<0.51		0.51	9.9
2,4-Dinitrotoluene	<0.99		0.99	9.9
Diethyl phthalate	2.4	J	0.52	9.9
Fluorene	<0.60		0.60	9.9
4-Chlorophenyl phenyl ether	<0.52		0.52	9.9
4-Nitroaniline	<1.4		1.4	9.9
4,6-Dinitro-2-methylphenol	<5.0		5.0	9.9
N-Nitrosodiphenylamine	<0.50		0.50	9.9
4-Bromophenyl phenyl ether	<0.74		0.74	9.9
Hexachlorobenzene	<0.65		0.65	9.9
Phenanthrene	<0.51		0.51	9.9

Client: ARGO Systems LLC

Job Number: 560-16847-1

Client Sample ID: **LF-GW-G1**

Lab Sample ID: 560-16847-1

Client Matrix: Water

Date Sampled: 08/14/2009 0803

Date Received: 08/15/2009 1452

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-38959		Instrument ID:	SVGCMS#2
Preparation:	3520C	Prep Batch: 560-38943		Lab File ID:	08190925.D
Dilution:	1.0			Initial Weight/Volume:	1010 mL
Date Analyzed:	08/19/2009 1905			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Anthracene	<0.50		0.50	9.9
Di-n-butyl phthalate	<0.50		0.50	9.9
Fluoranthene	<0.50		0.50	9.9
Pyrene	<0.50	*	0.50	9.9
Butyl benzyl phthalate	<0.99		0.99	9.9
Benzo[a]anthracene	<0.50		0.50	9.9
Chrysene	<0.50		0.50	9.9
Bis(2-ethylhexyl) phthalate	<1.9		1.9	9.9
Di-n-octyl phthalate	<2.0		2.0	9.9
Benzo[b]fluoranthene	<0.50		0.50	9.9
Benzo[k]fluoranthene	<0.50		0.50	9.9
Benzo[a]pyrene	<0.50	*	0.50	9.9
Indeno[1,2,3-cd]pyrene	<0.50		0.50	9.9
Dibenz(a,h)anthracene	<0.50		0.50	9.9
Benzo[g,h,i]perylene	<0.50		0.50	9.9
3,3'-Dichlorobenzidine	<0.50		0.50	9.9
Pentachlorophenol	<2.0		2.0	9.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	64		10 - 120
Phenol-d5	70		12 - 120
Nitrobenzene-d5	75		36 - 120
2-Fluorobiphenyl	63		32 - 120
2,4,6-Tribromophenol	88		31 - 126
Terphenyl-d14	34		10 - 120

Client: ARGO Systems LLC

Job Number: 560-16847-1

Client Sample ID: **LF-GW-G1**

Lab Sample ID: 560-16847-2

Client Matrix: Water

Date Sampled: 08/13/2009 0940

Date Received: 08/15/2009 1452

8081B Organochlorine Pesticides by Gas Chromatography

Method:	8081B	Analysis Batch: 560-39026		Instrument ID:	SVGC#1
Preparation:	3520C	Prep Batch: 560-39009		Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	08/20/2009 1952			Injection Volume:	1 uL
Date Prepared:	08/19/2009 1100			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	<0.0028		0.0028	0.048
4,4'-DDE	<0.0025		0.0025	0.048
4,4'-DDT	<0.0033		0.0033	0.048
Aldrin	<0.0024		0.0024	0.048
alpha-BHC	<0.0054		0.0054	0.048
alpha-Chlordane	<0.0037		0.0037	0.048
beta-BHC	<0.0054		0.0054	0.048
delta-BHC	<0.0024		0.0024	0.048
Dieldrin	<0.0080		0.0080	0.048
Endosulfan I	<0.0086		0.0086	0.048
Endosulfan II	<0.0034		0.0034	0.048
Endosulfan sulfate	<0.0038		0.0038	0.048
Endrin	<0.0024		0.0024	0.048
Endrin aldehyde	<0.0042		0.0042	0.048
Endrin ketone	<0.0070		0.0070	0.048
gamma-BHC (Lindane)	<0.0026		0.0026	0.048
gamma-Chlordane	<0.0045		0.0045	0.048
Heptachlor epoxide	<0.0027		0.0027	0.048
Methoxychlor	<0.022		0.022	0.048
Toxaphene	<0.28		0.28	0.96

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	16		10 - 152
Tetrachloro-m-xylene	70		57 - 127

Client: ARGO Systems LLC

Job Number: 560-16847-1

Client Sample ID: **LF-GW-G1**

Lab Sample ID: 560-16847-2

Client Matrix: Water

Date Sampled: 08/13/2009 0940

Date Received: 08/15/2009 1452

8081B Organochlorine Pesticides by Gas Chromatography

Method:	8081B	Analysis Batch: 560-39027		Instrument ID:	SVGC#1
Preparation:	3520C	Prep Batch: 560-39009		Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	08/20/2009 1952			Injection Volume:	1 uL
Date Prepared:	08/19/2009 1100			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chlordane (technical)	<0.030		0.030	0.48

Client: ARGO Systems LLC

Job Number: 560-16847-1

Client Sample ID: **LF-GW-G1**

Lab Sample ID: 560-16847-2

Client Matrix: Water

Date Sampled: 08/13/2009 0940

Date Received: 08/15/2009 1452

8081B Organochlorine Pesticides by Gas Chromatography

Method:	8081B	Analysis Batch: 560-39342		Instrument ID:	SVGC#1
Preparation:	3520C	Prep Batch: 560-39009		Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	08/28/2009 1449			Injection Volume:	1 uL
Date Prepared:	08/19/2009 1100			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Heptachlor	<0.0057		0.0057	0.048

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	15		10 - 152
Tetrachloro-m-xylene	82		57 - 127

DATA REPORTING QUALIFIERS

Client: ARGO Systems LLC

Job Number: 560-16847-1

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARGO Systems LLC

Job Number: 560-16847-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 560-38943					
LCS 560-38943/2-A	Lab Control Sample	T	Water	3520C	
LCSD 560-38943/3-A	Lab Control Sample Duplicate	T	Water	3520C	
MB 560-38943/1-A	Method Blank	T	Water	3520C	
560-16847-1	LF-GW-G1	T	Water	3520C	
Analysis Batch:560-38959					
LCS 560-38943/2-A	Lab Control Sample	T	Water	8270C	560-38943
LCSD 560-38943/3-A	Lab Control Sample Duplicate	T	Water	8270C	560-38943
MB 560-38943/1-A	Method Blank	T	Water	8270C	560-38943
560-16847-1	LF-GW-G1	T	Water	8270C	560-38943

Report Basis

T = Total

GC Semi VOA					
Prep Batch: 560-39009					
MB 560-39009/1-A	Method Blank	T	Water	3520C	
560-16847-2	LF-GW-G1	T	Water	3520C	
Analysis Batch:560-39026					
560-16847-2	LF-GW-G1	T	Water	8081B	560-39009
Analysis Batch:560-39027					
MB 560-39009/1-A	Method Blank	T	Water	8081B	560-39009
560-16847-2	LF-GW-G1	T	Water	8081B	560-39009
Analysis Batch:560-39342					
560-16847-2	LF-GW-G1	T	Water	8081B	560-39009

Report Basis

T = Total

Client: ARGO Systems LLC

Job Number: 560-16847-1

Method Blank - Batch: 560-38943

Method: 8270C
Preparation: 3520C

Lab Sample ID:	MB 560-38943/1-A	Analysis Batch:	560-38959	Instrument ID:	SVGCMS#2
Client Matrix:	Water	Prep Batch:	560-38943	Lab File ID:	08190905.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	08/19/2009 1019			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

Analyte	Result	Qual	MDL	RL
Phenol	<1.0		1.0	10
Bis(2-chloroethyl)ether	<0.70		0.70	10
2-Chlorophenol	<1.0		1.0	10
1,3-Dichlorobenzene	<1.0		1.0	10
1,4-Dichlorobenzene	<1.0		1.0	10
Benzyl alcohol	<1.4		1.4	10
1,2-Dichlorobenzene	<1.0		1.0	10
2-Methylphenol	<0.50		0.50	10
3 & 4 Methylphenol	<2.0		2.0	20
N-Nitrosodi-n-propylamine	<0.65		0.65	10
Hexachloroethane	<0.58		0.58	10
Nitrobenzene	<0.50		0.50	10
Isophorone	<0.63		0.63	10
2-Nitrophenol	<1.0		1.0	10
2,4-Dimethylphenol	<0.56		0.56	10
Bis(2-chloroethoxy)methane	<0.59		0.59	10
2,4-Dichlorophenol	<1.0		1.0	10
1,2,4-Trichlorobenzene	<1.0		1.0	10
Naphthalene	<0.50		0.50	10
4-Chloroaniline	<0.50		0.50	10
Hexachlorobutadiene	<1.0		1.0	10
4-Chloro-3-methylphenol	<1.0		1.0	10
2-Methylnaphthalene	<0.50		0.50	10
Hexachlorocyclopentadiene	<1.3		1.3	10
2,4,6-Trichlorophenol	<1.0		1.0	10
2,4,5-Trichlorophenol	<1.0		1.0	10
2-Chloronaphthalene	<0.50		0.50	10
2-Nitroaniline	<1.0		1.0	10
Dimethyl phthalate	<0.55		0.55	10
Acenaphthylene	<0.50		0.50	10
2,6-Dinitrotoluene	<1.0		1.0	10
3-Nitroaniline	<1.8		1.8	10
Acenaphthene	<0.57		0.57	10
2,4-Dinitrophenol	<5.0		5.0	10
4-Nitrophenol	<5.0		5.0	10
Dibenzofuran	<0.51		0.51	10
2,4-Dinitrotoluene	<1.0		1.0	10
Diethyl phthalate	<0.52		0.52	10
Fluorene	<0.61		0.61	10
4-Chlorophenyl phenyl ether	<0.52		0.52	10
4-Nitroaniline	<1.5		1.5	10

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16847-1

Method Blank - Batch: 560-38943

Method: 8270C
Preparation: 3520C

Lab Sample ID:	MB 560-38943/1-A	Analysis Batch:	560-38959	Instrument ID:	SVGCMS#2
Client Matrix:	Water	Prep Batch:	560-38943	Lab File ID:	08190905.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	08/19/2009 1019			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

Analyte	Result	Qual	MDL	RL
4,6-Dinitro-2-methylphenol	<5.0		5.0	10
N-Nitrosodiphenylamine	<0.51		0.51	10
4-Bromophenyl phenyl ether	<0.74		0.74	10
Hexachlorobenzene	<0.65		0.65	10
Phenanthrene	<0.51		0.51	10
Anthracene	<0.50		0.50	10
Di-n-butyl phthalate	<0.50		0.50	10
Fluoranthene	<0.50		0.50	10
Pyrene	<0.50		0.50	10
Butyl benzyl phthalate	<1.0		1.0	10
Benzo[a]anthracene	<0.50		0.50	10
Chrysene	<0.50		0.50	10
Bis(2-ethylhexyl) phthalate	<1.9		1.9	10
Di-n-octyl phthalate	<2.0		2.0	10
Benzo[b]fluoranthene	<0.50		0.50	10
Benzo[k]fluoranthene	<0.50		0.50	10
Benzo[a]pyrene	<0.50		0.50	10
Indeno[1,2,3-cd]pyrene	<0.50		0.50	10
Dibenz(a,h)anthracene	<0.50		0.50	10
Benzo[g,h,i]perylene	<0.50		0.50	10
3,3'-Dichlorobenzidine	<0.50		0.50	10
Pentachlorophenol	<2.0		2.0	10

Surrogate	% Rec	Acceptance Limits
2-Fluorophenol	64	10 - 120
Phenol-d5	70	12 - 120
Nitrobenzene-d5	76	36 - 120
2-Fluorobiphenyl	63	32 - 120
2,4,6-Tribromophenol	88	31 - 126
Terphenyl-d14	104	10 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16847-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 560-38943

Method: 8270C
Preparation: 3520C

LCS Lab Sample ID:	LCS 560-38943/2-A	Analysis Batch:	560-38959	Instrument ID:	SVGCMS#2
Client Matrix:	Water	Prep Batch:	560-38943	Lab File ID:	08190906.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	08/19/2009 1044			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 560-38943/3-A	Analysis Batch:	560-38959	Instrument ID:	SVGCMS#2
Client Matrix:	Water	Prep Batch:	560-38943	Lab File ID:	08190907.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	08/19/2009 1109			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Phenol	94	95	36 - 122	1	20		
Bis(2-chloroethyl)ether	94	95	57 - 120	1	20		
2-Chlorophenol	91	91	52 - 120	0	20		
1,3-Dichlorobenzene	65	68	46 - 120	5	20		
1,4-Dichlorobenzene	68	70	47 - 120	2	20		
Benzyl alcohol	86	86	62 - 120	1	20		
1,2-Dichlorobenzene	68	72	48 - 120	6	20		
2-Methylphenol	94	94	51 - 120	0	20		
3 & 4 Methylphenol	95	96	50 - 120	1	20		
N-Nitrosodi-n-propylamine	100	99	56 - 120	1	20		
Hexachloroethane	64	67	42 - 120	5	20		
Nitrobenzene	95	95	58 - 120	0	20		
Isophorone	95	95	54 - 120	0	20		
2-Nitrophenol	91	91	58 - 120	0	20		
2,4-Dimethylphenol	99	98	58 - 120	1	20		
Bis(2-chloroethoxy)methane	99	98	60 - 120	1	20		
2,4-Dichlorophenol	93	94	59 - 120	1	20		
1,2,4-Trichlorobenzene	81	82	55 - 120	2	20		
Naphthalene	87	88	60 - 120	1	20		
4-Chloroaniline	68	78	41 - 120	14	20		
Hexachlorobutadiene	76	80	50 - 120	5	20		
4-Chloro-3-methylphenol	94	97	59 - 120	3	20		
2-Methylnaphthalene	95	94	63 - 120	0	20		
Hexachlorocyclopentadiene	84	87	5 - 120	2	20		
2,4,6-Trichlorophenol	94	99	63 - 120	5	20		
2,4,5-Trichlorophenol	97	98	64 - 120	1	20		
2-Chloronaphthalene	92	93	61 - 120	1	20		
2-Nitroaniline	127	127	60 - 120	0	20	*	*
Dimethyl phthalate	98	100	70 - 120	1	20		
Acenaphthylene	96	96	65 - 120	1	20		
2,6-Dinitrotoluene	98	101	72 - 120	3	20		
3-Nitroaniline	97	99	71 - 120	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16847-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 560-38943

Method: 8270C
Preparation: 3520C

LCS Lab Sample ID:	LCS 560-38943/2-A	Analysis Batch:	560-38959	Instrument ID:	SVGCMS#2
Client Matrix:	Water	Prep Batch:	560-38943	Lab File ID:	08190906.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	08/19/2009 1044			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

LCSD Lab Sample ID:	LCSD 560-38943/3-A	Analysis Batch:	560-38959	Instrument ID:	SVGCMS#2
Client Matrix:	Water	Prep Batch:	560-38943	Lab File ID:	08190907.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	08/19/2009 1109			Final Weight/Volume:	1 mL
Date Prepared:	08/18/2009 1300			Injection Volume:	1.0 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acenaphthene	97	99	66 - 120	2	20		
2,4-Dinitrophenol	97	105	51 - 120	8	20		
4-Nitrophenol	95	96	43 - 120	1	20		
Dibenzofuran	96	98	60 - 120	2	20		
2,4-Dinitrotoluene	99	101	73 - 120	2	20		
Diethyl phthalate	100	102	74 - 120	2	20		
Fluorene	99	101	70 - 120	2	20		
4-Chlorophenyl phenyl ether	97	101	68 - 120	4	20		
4-Nitroaniline	102	102	76 - 120	0	20		
4,6-Dinitro-2-methylphenol	97	104	70 - 120	8	20		
N-Nitrosodiphenylamine	104	110	69 - 120	6	20		
4-Bromophenyl phenyl ether	100	109	72 - 120	8	20		
Hexachlorobenzene	98	105	70 - 120	7	20		
Phenanthrene	103	109	76 - 120	6	20		
Anthracene	98	104	74 - 120	6	20		
Di-n-butyl phthalate	99	106	75 - 120	7	20		
Fluoranthene	98	106	73 - 120	7	20		
Pyrene	115	123	70 - 120	7	20		*
Butyl benzyl phthalate	110	118	70 - 120	7	20		
Benzo[a]anthracene	100	108	72 - 120	8	20		
Chrysene	101	109	74 - 120	8	20		
Bis(2-ethylhexyl) phthalate	99	103	62 - 129	5	20		
Di-n-octyl phthalate	95	104	71 - 120	9	20		
Benzo[b]fluoranthene	109	116	72 - 128	6	20		
Benzo[k]fluoranthene	100	107	72 - 120	7	20		
Benzo[a]pyrene	117	126	72 - 120	8	20		*
Indeno[1,2,3-cd]pyrene	100	109	68 - 120	9	20		
Dibenz(a,h)anthracene	99	108	62 - 120	9	20		
Benzo[g,h,i]perylene	101	110	70 - 120	8	20		
3,3'-Dichlorobenzidine	95	100	58 - 120	6	20		
Pentachlorophenol	112	117	70 - 120	5	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16847-1

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2-Fluorophenol	77	77	10 - 120
Phenol-d5	82	84	12 - 120
Nitrobenzene-d5	86	85	36 - 120
2-Fluorobiphenyl	80	82	32 - 120
2,4,6-Tribromophenol	104	107	31 - 126
Terphenyl-d14	99	103	10 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16847-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 560-38943

Method: 8270C
Preparation: 3520C

LCS Lab Sample ID:	LCS 560-38943/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 560-38943/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	08/19/2009 1044			Date Analyzed:	08/19/2009 1109
Date Prepared:	08/18/2009 1300			Date Prepared:	08/18/2009 1300

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Phenol	100	100	94.0		95.4	
Bis(2-chloroethyl)ether	100	100	93.9		94.6	
2-Chlorophenol	100	100	90.8		90.9	
1,3-Dichlorobenzene	100	100	64.7		67.7	
1,4-Dichlorobenzene	100	100	68.3		69.9	
Benzyl alcohol	100	100	85.5		86.3	
1,2-Dichlorobenzene	100	100	68.4		72.3	
2-Methylphenol	100	100	94.2		93.8	
3 & 4 Methylphenol	200	200	190		192	
N-Nitrosodi-n-propylamine	100	100	100		98.6	
Hexachloroethane	100	100	64.3		67.5	
Nitrobenzene	100	100	95.2		95.0	
Isophorone	100	100	94.8		94.8	
2-Nitrophenol	100	100	91.3		91.2	
2,4-Dimethylphenol	100	100	99.4		98.0	
Bis(2-chloroethoxy)methane	100	100	99.1		98.1	
2,4-Dichlorophenol	100	100	93.1		94.1	
1,2,4-Trichlorobenzene	100	100	80.6		81.9	
Naphthalene	100	100	86.9		88.0	
4-Chloroaniline	100	100	67.9		78.5	
Hexachlorobutadiene	100	100	76.5		80.2	
4-Chloro-3-methylphenol	100	100	93.7		97.0	
2-Methylnaphthalene	100	100	94.9		94.5	
Hexachlorocyclopentadiene	100	100	84.4		86.5	
2,4,6-Trichlorophenol	100	100	94.3		98.7	
2,4,5-Trichlorophenol	100	100	96.6		97.8	
2-Chloronaphthalene	100	100	92.4		93.4	
2-Nitroaniline	100	100	127	*	127	*
Dimethyl phthalate	100	100	98.4		99.6	
Acenaphthylene	100	100	95.6		96.2	
2,6-Dinitrotoluene	100	100	97.6		101	
3-Nitroaniline	100	100	96.5		98.5	
Acenaphthene	100	100	96.8		98.9	
2,4-Dinitrophenol	100	100	96.6		105	
4-Nitrophenol	100	100	94.6		95.6	
Dibenzofuran	100	100	96.2		97.9	
2,4-Dinitrotoluene	100	100	99.0		101	
Diethyl phthalate	100	100	99.6		102	
Fluorene	100	100	99.3		101	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16847-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 560-38943

Method: 8270C
Preparation: 3520C

LCS Lab Sample ID:	LCS 560-38943/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 560-38943/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	08/19/2009 1044			Date Analyzed:	08/19/2009 1109
Date Prepared:	08/18/2009 1300			Date Prepared:	08/18/2009 1300

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual	
4-Chlorophenyl phenyl ether	100	100	96.6	101	
4-Nitroaniline	100	100	102	102	
4,6-Dinitro-2-methylphenol	100	100	96.5	104	
N-Nitrosodiphenylamine	100	100	104	110	
4-Bromophenyl phenyl ether	100	100	100	109	
Hexachlorobenzene	100	100	98.1	105	
Phenanthrene	100	100	103	109	
Anthracene	100	100	98.0	104	
Di-n-butyl phthalate	100	100	99.1	106	
Fluoranthene	100	100	98.1	106	
Pyrene	100	100	115	123	*
Butyl benzyl phthalate	100	100	110	118	
Benzo[a]anthracene	100	100	100	108	
Chrysene	100	100	101	109	
Bis(2-ethylhexyl) phthalate	100	100	98.6	103	
Di-n-octyl phthalate	100	100	95.0	104	
Benzo[b]fluoranthene	100	100	109	116	
Benzo[k]fluoranthene	100	100	99.8	107	
Benzo[a]pyrene	100	100	117	126	*
Indeno[1,2,3-cd]pyrene	100	100	99.6	109	
Dibenz(a,h)anthracene	100	100	99.0	108	
Benzo[g,h,i]perylene	100	100	101	110	
3,3'-Dichlorobenzidine	150	150	142	151	
Pentachlorophenol	100	100	112	117	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16847-1

Method Blank - Batch: 560-39009

Method: 8081B
Preparation: 3520C

Lab Sample ID: MB 560-39009/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/20/2009 1446
Date Prepared: 08/19/2009 1100

Analysis Batch: 560-39027
Prep Batch: 560-39009
Units: ug/L

Instrument ID: SVGC#1
Lab File ID: 08200915.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Chlordane (technical)	<0.031		0.031	0.50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16847-1

Laboratory Chronicle

Lab ID: **560-16847-1** **Client ID:** **LF-GW-G1**

Sample Date/Time: 08/14/2009 08:03 Received Date/Time: 08/15/2009 14:52

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3520C	560-16847-A-1-A		560-38959	560-38943	08/18/2009 13:00	1	TAL CC	AY
A:8270C	560-16847-A-1-A		560-38959	560-38943	08/19/2009 19:05	1	TAL CC	GEF

Lab ID: **560-16847-2** **Client ID:** **LF-GW-G1**

Sample Date/Time: 08/13/2009 09:40 Received Date/Time: 08/15/2009 14:52

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3520C	560-16847-A-2-A		560-39026	560-39009	08/19/2009 11:00	1	TAL CC	LPM
P:3520C	560-16847-A-2-A		560-39027	560-39009	08/19/2009 11:00	1	TAL CC	LPM
A:8081B	560-16847-A-2-A		560-39026	560-39009	08/20/2009 19:52	1	TAL CC	RH
A:8081B	560-16847-A-2-A		560-39027	560-39009	08/20/2009 19:52	1	TAL CC	RH
P:3520C	560-16847-A-2-A		560-39342	560-39009	08/19/2009 11:00	1	TAL CC	LPM
A:8081B	560-16847-A-2-A		560-39342	560-39009	08/28/2009 14:49	1	TAL CC	RH

Lab ID: **MB** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3520C	MB 560-38943/1-A		560-38959	560-38943	08/18/2009 13:00	1	TAL CC	AY
A:8270C	MB 560-38943/1-A		560-38959	560-38943	08/19/2009 10:19	1	TAL CC	GEF
P:3520C	MB 560-39009/1-A		560-39027	560-39009	08/19/2009 11:00	1	TAL CC	LPM
A:8081B	MB 560-39009/1-A		560-39027	560-39009	08/20/2009 14:46	1	TAL CC	RH

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3520C	LCS 560-38943/2-A		560-38959	560-38943	08/18/2009 13:00	1	TAL CC	AY
A:8270C	LCS 560-38943/2-A		560-38959	560-38943	08/19/2009 10:44	1	TAL CC	GEF

Lab ID: **LCSD** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3520C	LCSD 560-38943/3-A		560-38959	560-38943	08/18/2009 13:00	1	TAL CC	AY
A:8270C	LCSD 560-38943/3-A		560-38959	560-38943	08/19/2009 11:09	1	TAL CC	GEF

Lab References:

TAL CC = TestAmerica Corpus Christi

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3.8°C IR#5

16847

Cooler #1

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- [ ] TestAmerica Savannah - 5102 LaRoche Avenue, Savannah, GA 31404
- [x] TestAmerica Corpus Christi - 1733 NPID, Corpus Christi, Texas 78408
- [ ] TestAmerica Nashville - 2960 Foster Creighton Dr., Nashville, TN 37204
- [ ] Other _____

Customer Information		Project Information		Analyses / Method Requested
P.O.	Project #1462303	Project Name	EPA RFO-20 Weslaco, TX	A. SVOCs (8270C)
W.O.		Lab Number		B. Pesticides (8081A)
Company	EA Engineering	Bill To	Argo Systems	C.
Send Report To:	MARK PADDACK	Invoice Attn	Dick Roop	D.
Address:	405 S. Hwy 121 Building C Suite 100	Address:	1403 Madison Park Drive, Suite 205	E. F.
City/State/Zip	Lewisville, Texas 75067	City/State/Zip	Glen Burnie, MD 21061	G.
Phone	972-315-3922	Phone	1-410-768-5916	H.
Fax	972-315-5181	Fax		I.

Sx No.	Sample Description	Sample Date	Sample Time	Sample Matrix	Container Type	Preservative	No. of Bottles	A	B	C	D	E	F	G	H	I	J	K	L	Comments
1	LF-GW-G1	8-14-09	8:05	W				X												
2	LF-GW-G1	8-13-09	9:40	W					X											
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

Shipment Method: Hand Delivery | Airbill No.: | Required Turnaround: Standard

Relinquished by:	Date 8-15-09	Relinquished by:	Date	Relinquished by:	Date
Company Name: EA Engineering	Time 1452	Company Name:	Time	Company Name:	Time
Received by: Julie Dixon	Date 8/15/09	Received by:	Date	Received by:	Date
Company Name: TAL CC	Time 1452	Company Name:	Time	Company Name:	Time

Login Sample Receipt Check List

Client: ARGO Systems LLC

Job Number: 560-16847-1

Login Number: 16847

List Source: TestAmerica Corpus Christi

Creator: Darrow, Julie

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.8C IR 5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

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14050 Summit Drive, Suite A100 Austin, TX 78728 * 512-244-0855 * Fax 512-244-0160

August 29, 2009

LABORATORY REPORT

Client:
Argo Systems LLC, Glen Burnie MD
1403 Madison Park Drive, Suite 205
Glen Burnie, MD 21061
Attn: Accounts Payable

Work Order: ASH0168
Project Name: Westlaco
Project Number: Westlaco
Date Received: 08/17/09

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the specific sample(s) analyzed.

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 512-244-0855.

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

CASE NARRATIVE: This report contains results for the samples received under chain-of-custody by TestAmerica Laboratories, Inc. 8/17/2009 8:30:00 AM.

These samples are associated with your Westlaco project.

All samples were received in good condition and within temperature requirements.

All applicable quality control procedures met method specified acceptance criteria except where flagged on the result pages or noted in the case narrative.

Note that if this report contains tests performed for the following methods, the associated method deviations are applicable.

EPA 410.4, COD: Laboratory uses different analytical wavelength as specified by instrument manufacturer.
EPA 340.2, Fluoride: Preliminary Bellack distillation not performed.
EPA 624: The laboratory uses a different desorb time and purge volume than stated in the method.
Iowa OA1: Benzene, toluene, ethylbenzene and xylenes (BTEX) are not analyzed along with the Gasoline Range Organics if client does not require BTEX.
EPA TO-12: Samples not analyzed in duplicate.
EPA TO-14A and TO-15: Zero humidified nitrogen is used in place of air for method blanks.

If you should have any questions, please feel free to contact me at linda.voigt@testamericainc.com or (512) 310-5202.
Texas Certification Number: T104704217-06-TX

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Argo Systems LLC, Glen Burnie MD 1403 Madison Park Drive, Suite 205 Glen Burnie, MD 21061 Accounts Payable	Work Order: ASH0168 Project: Westlaco Project Number: Westlaco	Received: 08/17/09 08:30 Reported: 08/29/09 13:34	

Approved By:

Linda Voigt
Customer Service Manager

NELAP Certification # T104704217-08A-TX

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Argo Systems LLC, Glen Burnie MD
1403 Madison Park Drive, Suite 205
Glen Burnie, MD 21061
Accounts Payable

Work Order: ASH0168
Project: Westlaco
Project Number: Westlaco

Received: 08/17/09 08:30
Reported: 08/29/09 13:34

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION	MATRIX	CONTAINER TYPE
LF-GAS-B2	ASH0168-01	08/13/09 14:20	Air	Passivated Canister
LF-GAS-B12	ASH0168-02	08/13/09 08:37	Air	Passivated Canister
LF-GAS-B10	ASH0168-03	08/13/09 11:08	Air	Passivated Canister
LF-GAS-B4	ASH0168-04	08/13/09 13:52	Air	Passivated Canister
LF-GAS-B6	ASH0168-05	08/13/09 14:46	Air	Passivated Canister

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Argo Systems LLC, Glen Burnie MD 1403 Madison Park Drive, Suite 205 Glen Burnie, MD 21061 Accounts Payable	Work Order: ASH0168 Project: Westlaco Project Number: Westlaco	Received: 08/17/09 08:30 Reported: 08/29/09 13:34	

ANALYTICAL REPORT

Analyte	Result	Data Qualifiers	Units	MDL	RL	Dilution	Date Analyzed	Instrument	Analyst	QC Batch
Sample ID: ASH0168-01 (LF-GAS-B2 - Air)							**Sampled: 08/13/09 14:20**			
ASTM D1946 Percent-Level Gases										
Carbon dioxide	**5.06**		%(v/v)	0.121	4.66	2.33	08/24/09 20:03	TCDA	KDK	9H25017
Oxygen	**7.86**		%(v/v)	0.0463	2.33	2.33	08/24/09 13:08	TCDA	KDK	9H25016
Nitrogen	**75.3**		%(v/v)	0.0468	11.6	2.33	08/24/09 13:08	TCDA	KDK	9H25016
Methane	**10.4**		%(v/v)	0.204	4.66	2.33	08/24/09 13:08	TCDA	KDK	9H25016

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Argo Systems LLC, Glen Burnie MD 1403 Madison Park Drive, Suite 205 Glen Burnie, MD 21061 Accounts Payable	Work Order: ASH0168 Project: Westlaco Project Number: Westlaco	Received: 08/17/09 08:30 Reported: 08/29/09 13:34	

ANALYTICAL REPORT

Analyte	Result	Data Qualifiers	Units	MDL	RL	Dilution	Date Analyzed	Instrument	Analyst	QC Batch
Sample ID: ASH0168-02 (LF-GAS-B12 - Air)							**Sampled: 08/13/09 08:37**			
ASTM D1946 Percent-Level Gases										
Carbon dioxide	**0.710**	J	%(v/v)	0.116	4.49	2.25	08/24/09 20:12	TCDA	KDK	9H25017
Oxygen	**20.7**		%(v/v)	0.0447	2.25	2.25	08/24/09 13:30	TCDA	KDK	9H25016
Nitrogen	**77.5**		%(v/v)	0.0451	11.2	2.25	08/24/09 13:30	TCDA	KDK	9H25016
Methane	ND	U	%(v/v)	0.197	4.49	2.25	08/24/09 13:30	TCDA	KDK	9H25016

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Argo Systems LLC, Glen Burnie MD 1403 Madison Park Drive, Suite 205 Glen Burnie, MD 21061 Accounts Payable	Work Order: ASH0168 Project: Westlaco Project Number: Westlaco	Received: 08/17/09 08:30 Reported: 08/29/09 13:34	

ANALYTICAL REPORT

Analyte	Result	Data Qualifiers	Units	MDL	RL	Dilution	Date Analyzed	Instrument	Analyst	QC Batch
Sample ID: ASH0168-03 (LF-GAS-B10 - Air)							**Sampled: 08/13/09 11:08**			
ASTM D1946 Percent-Level Gases										
Carbon dioxide	**2.40**	J	%(v/v)	0.120	4.64	2.32	08/24/09 20:20	TCDA	KDK	9H25017
Oxygen	**19.1**		%(v/v)	0.0462	2.32	2.32	08/24/09 13:52	TCDA	KDK	9H25016
Nitrogen	**77.7**		%(v/v)	0.0466	11.6	2.32	08/24/09 13:52	TCDA	KDK	9H25016
Methane	ND	U	%(v/v)	0.203	4.64	2.32	08/24/09 13:52	TCDA	KDK	9H25016

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Argo Systems LLC, Glen Burnie MD 1403 Madison Park Drive, Suite 205 Glen Burnie, MD 21061 Accounts Payable	Work Order: ASH0168 Project: Westlaco Project Number: Westlaco	Received: 08/17/09 08:30 Reported: 08/29/09 13:34	

ANALYTICAL REPORT

Analyte	Result	Data Qualifiers	Units	MDL	RL	Dilution	Date Analyzed	Instrument	Analyst	QC Batch
Sample ID: ASH0168-04 (LF-GAS-B4 - Air)							**Sampled: 08/13/09 13:52**			
ASTM D1946 Percent-Level Gases										
Carbon dioxide	**25.8**		%(v/v)	0.121	4.67	2.34	08/24/09 20:24	TCDA	KDK	9H25017
Oxygen	**1.16**	J	%(v/v)	0.0465	2.34	2.34	08/24/09 14:14	TCDA	KDK	9H25016
Nitrogen	**70.6**		%(v/v)	0.0470	11.7	2.34	08/24/09 14:14	TCDA	KDK	9H25016
Methane	**1.39**	J	%(v/v)	0.205	4.67	2.34	08/24/09 14:14	TCDA	KDK	9H25016

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Argo Systems LLC, Glen Burnie MD 1403 Madison Park Drive, Suite 205 Glen Burnie, MD 21061 Accounts Payable	Work Order: ASH0168 Project: Westlaco Project Number: Westlaco	Received: 08/17/09 08:30 Reported: 08/29/09 13:34	

ANALYTICAL REPORT

Analyte	Result	Data Qualifiers	Units	MDL	RL	Dilution	Date Analyzed	Instrument	Analyst	QC Batch
Sample ID: ASH0168-05 (LF-GAS-B6 - Air)							**Sampled: 08/13/09 14:46**			
ASTM D1946 Percent-Level Gases										
Carbon dioxide	**10.8**		%(v/v)	0.124	4.77	2.38	08/24/09 20:30	TCDA	KDK	9H25017
Oxygen	**10.4**		%(v/v)	0.0475	2.38	2.38	08/24/09 14:34	TCDA	KDK	9H25016
Nitrogen	**76.5**		%(v/v)	0.0479	11.9	2.38	08/24/09 14:34	TCDA	KDK	9H25016
Methane	**0.231**	J	%(v/v)	0.209	4.77	2.38	08/24/09 14:34	TCDA	KDK	9H25016

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Argo Systems LLC, Glen Burnie MD 1403 Madison Park Drive, Suite 205 Glen Burnie, MD 21061 Accounts Payable	Work Order: ASH0168 Project: Westlaco Project Number: Westlaco	Received: 08/17/09 08:30 Reported: 08/29/09 13:34	

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Result	Data Qualifier	Units	MDL	RL	Dilution	Date Analyzed	Instrument	Analyst	QC Batch
Sample ID: 9H25016-BLK1 (Blank - Air)										
ASTM D1946 Percent-Level Gases										
Oxygen	ND	**U**	%(v/v)	0.0199	1.00	1.00	08/24/09 12:43	TCDA	KDK	9H25016
Nitrogen	ND	**U**	%(v/v)	0.0201	5.00	1.00	08/24/09 12:43	TCDA	KDK	9H25016
Methane	ND	**U**	%(v/v)	0.0877	2.00	1.00	08/24/09 12:43	TCDA	KDK	9H25016
Sample ID: 9H25017-BLK1 (Blank - Air)										
ASTM D1946 Percent-Level Gases										
Carbon dioxide	ND	**U**	%(v/v)	0.0518	2.00	1.00	08/24/09 19:55	TCDA	KDK	9H25017

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14050 Summit Drive, Suite A100 Austin, TX 78728 * 512-244-0855 * Fax 512-244-0160

Argo Systems LLC, Glen Burnie MD 1403 Madison Park Drive, Suite 205 Glen Burnie, MD 21061 Accounts Payable	Work Order: ASH0168 Project: Westlaco Project Number: Westlaco	Received: 08/17/09 08:30 Reported: 08/29/09 13:34	

PROJECT QUALITY CONTROL DATA

Calibration Check

Analyte	Result	Data Qualifiers	Units	RL	Dilution	Spike Conc	% Rec	Target Range	Instrument	Date Analyzed	QC Batch
Sample ID: 9H25016-CCV1 (Calibration Check - Air)											
ASTM D1946 Percent-Level Gases											
Oxygen	5.07		%(v/v)	1.00	1.00	5.00	101%	80 - 120	TCDA	08/24/09 10:59	9H25016
Nitrogen	5.40		%(v/v)	5.00	1.00	5.11	106%	80 - 120	TCDA	08/24/09 10:59	9H25016
Methane	30.8		%(v/v)	2.00	1.00	30.0	103%	80 - 120	TCDA	08/24/09 10:59	9H25016
Sample ID: 9H25017-CCV1 (Calibration Check - Air)											
ASTM D1946 Percent-Level Gases											
Carbon dioxide	9.14		%(v/v)	2.00	1.00	10.0	91%	80 - 120	TCDA	08/24/09 19:30	9H25017

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PROJECT QUALITY CONTROL DATA

Duplicate

Analyte	Orig.	Data Qualifier	Duplicate	Units	RPD	Limit	QC Batch	Sample Duplicated	Date Analyzed
Sample ID: 9H25016-DUP1 (Duplicate - Air)									
ASTM D1946 Percent-Level Gases									
Oxygen	**7.86**		**7.99**	%(v/v)	2	25	9H25016	ASH0168-01	08/24/09 18:37
Nitrogen	**75.3**		**74.8**	%(v/v)	0.6	25	9H25016	ASH0168-01	08/24/09 18:37
Methane	**10.4**		**10.4**	%(v/v)	0.01	25	9H25016	ASH0168-01	08/24/09 18:37
Sample ID: 9H25017-DUP1 (Duplicate - Air)									
ASTM D1946 Percent-Level Gases									
Carbon dioxide	**10.8**		**11.7**	%(v/v)	8	25	9H25017	ASH0168-05	08/24/09 20:34

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PROJECT QUALITY CONTROL DATA

LCS

Analyte	Result	Data Qualifiers	Units	RL	Dilution	Spike Conc	% Rec	Target Range	Instrument	Date Analyzed	QC Batch
Sample ID: 9H25016-BS1 (LCS - Air)											
ASTM D1946 Percent-Level Gases											
Oxygen	3.14		%(v/v)	1.00	1.00	2.77	113%	75 - 135	TCDA	08/24/09 11:25	9H25016
Nitrogen	31.1		%(v/v)	5.00	1.00	30.5	102%	70 - 130	TCDA	08/24/09 11:25	9H25016
Methane	15.2		%(v/v)	2.00	1.00	15.2	100%	73 - 133	TCDA	08/24/09 11:25	9H25016
Sample ID: 9H25017-BS1 (LCS - Air)											
ASTM D1946 Percent-Level Gases											
Carbon dioxide	8.27		%(v/v)	2.00	1.00	9.51	87%	61 - 121	TCDA	08/24/09 19:40	9H25017

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Argo Systems LLC, Glen Burnie MD 1403 Madison Park Drive, Suite 205 Glen Burnie, MD 21061 Accounts Payable	Work Order: ASH0168 Project: Westlaco Project Number: Westlaco	Received: 08/17/09 08:30 Reported: 08/29/09 13:34	

PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Result	Data Qualifiers	Units	RL	Dilution	Spike Conc	% Rec	Target Range	RPD	Limit	Date Analyzed	QC Batch
Sample ID: 9H25016-BSD1 (LCS Dup - Air)												
ASTM D1946 Percent-Level Gases												
Oxygen	3.10		%(v/v)	1.00	1.00	2.77	112%	75 - 135	1	25	08/24/09 11:44	9H25016
Nitrogen	31.1		%(v/v)	5.00	1.00	30.5	102%	70 - 130	0.09	25	08/24/09 11:44	9H25016
Methane	15.0		%(v/v)	2.00	1.00	15.2	98%	73 - 133	2	25	08/24/09 11:44	9H25016
Sample ID: 9H25017-BSD1 (LCS Dup - Air)												
ASTM D1946 Percent-Level Gases												
Carbon dioxide	8.34		%(v/v)	2.00	1.00	9.51	88%	61 - 121	0.9	25	08/24/09 19:45	9H25017

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Argo Systems LLC, Glen Burnie MD 1403 Madison Park Drive, Suite 205 Glen Burnie, MD 21061 Accounts Payable	Work Order: Project: Project Number:	ASH0168 Westlaco Westlaco	Received: Reported:	08/17/09 08:30 08/29/09 13:34

CERTIFICATION SUMMARY

TestAmerica Austin

Method	Matrix	Nelac	Texas
D1946	Air	X	X

For information concerning certifications of this facility or another TestAmerica facility, please visit our website at www.TestAmericaInc.com

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Argo Systems LLC, Glen Burnie MD 1403 Madison Park Drive, Suite 205 Glen Burnie, MD 21061 Accounts Payable	Work Order: ASH0168 Project: Westlaco Project Number: Westlaco	Received: 08/17/09 08:30 Reported: 08/29/09 13:34	

NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Austin does not hold NELAC certifications for the following analytes included in this report

Method	Matrix	Analyte

DATA QUALIFIERS AND DEFINITIONS

J	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
U	Result less than sample specific method detection limit
ND	Not detected.

TestAmerica – Austin Laboratory
Chain of Custody Addendum

Work Order Number ASH0168

RECEIVED BY: [illegible] CLIENT/PROJECT: ~~EM Engineering~~ Argo / Westlaco

DATE/TIME RECEIVED: 8 / 17 / 09 08:50 UNPACKED DATE/TIME: 8 / 17 / 09 15:00

LOGGED BY cc REVIEWED BY _____ # of Containers Received w/COC: _____

VOC AIR / FILTER SAMPLES ☐ YES **SEE SECTIONS 1.0, 2.0, & 6.0**

1.0 CONTAINERS EXAMINED UPON RECEIPT: cc

Container Sealed: ☑ YES ☐ NO Custody seal Present: ☐ YES ☑ NO Custody Seal Signed/Dated: ☐ YES ☑ NO

If seal not intact list air bill number of that container(s): _____

2.0 VOC CANISTERS EXAMINED UPON RECEIPT: _____

Canister Valves Closed: ☑ YES ☐ NO Canister Valves Capped: ☑ YES ☐ NO

Canister Valves Capped: ☑ YES ☐ NO Other Equipment Received: ☑ YES ☐ NO

Valve Cap Tightened Properly: ☑ YES ☐ NO Can Size: ☑ 6L ☐ 33L Other: _____

Packing Material Used: (circle)None / Absorbent / Paper / Bubble Wrap

3.0 CONDITION OF BOTTLES/CONTAINERS **VERIFIED BY:** cc

Samples received match COC: ☑ YES ☐ NO Bottles received intact: ☑ YES ☐ NO

See additional discrepancies/comments section: ☐ YES ☑ NO Samples received from USDA restricted area: ☐ YES ☑ NO

Chain-of-Custody form properly maintained: ☑ YES ☐ NO VOA trip blanks included: ☐ YES ☐ NO ☑ N/A

4.0 SAMPLE TEMPERATURE UPON RECEIPT BY: _____ **IR THERMOMETER #:** ☐ P5 ☐ P6

Temperature of the container(s):

Circle selection: TB = Temp. Blank and/or SC = Sample Container CF = Correction Factor *[acceptable tolerance 4°C ± 2°]*

TB SC Initial	TB SC Initial	TB SC Initial	TB SC Initial	TB SC Initial	TB SC Initial	TB SC Initial	TB SC Initial
CF	CF	CF	CF	CF	CF	CF	CF
Final	Final	Final	Final	Final	Final	Final	Final

If temperature is outside acceptable tolerance, Project Manager was notified (_____PM). Date: _____ Time: _____

Samples received do not require cooling _____ OK to analyze samples: ☑ YES ☐ NO

5.0 PRESERVATION CHECKS

PRESERVATION OF SAMPLES REQUIRED: ☐ NA ☐ YES ☐ VOA Samples **VERIFIED BY:** _____

NOTE: pH CHECK OF SAMPLES FOR 1664A ANALYSIS CHECK AT TIME OF ANALYSIS BY BENCH ANALYST
pH CHECK OF VOLATILE SAMPLES PERFORMED AFTER ANALYSIS BY THE BENCH ANALYST.

Base samples are>pH 12: ☐ YES ☐ NO Acid preserved are<pH 2: ☐ YES ☐ NO

Cyanide samples checked for sulfides: ☐ YES ☐ NO Free chlorine present: ☐ YES ☐ NO

Sulfide samples appear to be preserved with zinc acetate: ☐ YES ☐ NO

Chlorine checked per specification (N.C.) ☐ YES ☐ NO

If preservation is outside acceptable limit, PM notified (_____PM) Date/Time: _____ ☐ see pH adjustment form

Volatile samples filled completely: ☐ YES ☐ NO (if no, list ID and approximate amt. of headspace in comments section

6.0 SHIPPING DOCUMENTATION:

Air/freight bill is available and attached to COC: ☑ YES ☐ NO Air bill #: _____

Hand-delivered Carrier: _____ Date: _____ Time: _____

7.0 OTHER COMMENTS:

Received 1x Field Gauge 5x Filter

8.0 CORRECTIVE ACTION:

Client's Name: _____ Informed verbally on: _____ By: _____

Client's Name: _____ Informed verbally on: _____ By: _____

Sample(s) processed "as is" comments: _____

Samples(s) on hold until: _____ If released, notify: _____

Project Management: Linda Voigt Date: 8/19/09

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

Revised 03/03/09

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Canister Samples Chain of Custody Record

ASH0168

TestAmerica Austin
14050 Summit Dr.
Suite A-100
Austin, TX 78728
phone: 512-244-0855 fax: 512-244-0160

1 of 1 COCs

Client Contact Information	Project Manager: Brian Yoost	Samples Collected By:
Company: EA Engineering	Phone: 972-315-3922	
Address: 405 S. Hwy 121 C-100	Email:	
City/State/Zip Lewisville Tx 75067		
Phone: 972-315-3922	Site Contact:	
FAX: 972-315-5181	LAB Contact:	
Project Name: ~~1462303~~	Analysis Turnaround Time	
Site: EPA RFO-20 Westlake Tx	Standard (Specify) 1	
PO # Project # 1462303	Rush (Specity)	

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	TO-3	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
~~FL-GAS-B2~~	~~8-13-09~~	~~1419~~																		
LF-GAS-B2	8-13-09	1419	1420	29.6	0.0	—	RA2289							X					X	
LF-GAS-B12	8-13-09	0836	0837	29.6	0.0	—	HL0932							X					X	
LF-GAS-B10	8-13-09	1107	1108	29.6	0.0	—	RA0912							X					X	
LF-GAS-B4	8-13-09	1351	1352	29.6	0.0	—	HL0820							X					X	
LF-GAS-B6	8-13-09	1445	1446	29.6	0.0	—	RA2407							X					X	

Special Instructions/QC Requirements & Comments:
Send Bill to: Argo Systems ATTN: Dick Roop
1403 Madison Park Drive Site 205
Glen Bernie MD 21061

Method D1946-90

Test Description methane, Nitrogen, oxygen and Carbon Dioxide

PH#: 1-410-768-5916

Samples Shipped by:	Date/Time:	Samples Received by:
Jose Flores	8-13-09 / 1845	[illegible] 8-17-09 0830
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

TAL-4143 (0608)

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

ANALYTICAL REPORT

Job Number: 560-16840-1

Job Description: EPA RFO-20 - Weslaco, Texas

For:
ARGO Systems LLC
1403 Madison Park Drive
Suite 205
Glen Burnie, MD 21061

Attention: Mr. Robert D Roop

Approved for release.
Julie Darrow
Project Manager I
8/31/2009 5:45 PM

Julie Darrow
Project Manager I
julie.darrow@testamericainc.com
08/31/2009

cc: Mr. Mark Paddack
Mr. Brian Yost

The test results entered in this report meet all NELAC requirements for accredited parameters. Any exceptions to NELAC requirements are noted in the report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory. TestAmerica Corpus Christi Certifications and Approvals: NELAC TX T104704210-TX, NELAC KS E-10362, Oklahoma 9968, USDA Soil Permit P330-08-00033.

Volatile Organics Analysis

Sample 560-16840-5 was analyzed for Volatile Organics using EPA Method 8260B in batch 560-38897. A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows 5 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS had one analyte (trans-1,2-Dichloroethene) below the acceptance criteria by 1%. Re-extraction/re-analysis was not performed. These results have been reported and qualified.

Sample 560-16839-1 were analyzed for Volatile Organics using EPA Method 8260B in batch 560-38924. The internal standard response for 1,4-Dichlorobenzene-d4 was below the acceptance criteria for sample 1. The sample was not re-analyzed due to insufficient volume because this sample was used for the MS/MSD and only 3 VOA's were sent. The percent recovery results for the matrix spike and matrix spike duplicate and the RPD for the spiked pair were outside the acceptance criteria. The method blank and LCS were within acceptable limits and the data are therefore reported.

Samples 560-16839-2 and 3 were analyzed for Volatile Organics using EPA Method 8260B in batch 560-38967. The internal standard response for 1,4-Dichlorobenzene-d4 was below the acceptance criteria for sample 2 and 3. The initial run had multiple internal standard failures.

Semivolatile Organics Analysis

Samples 560-16840-1, 2, 3, and 4 were analyzed for Semivolatile Organics using EPA Method 8270C in batch 560-39035. A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 3 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 39035 had 2 analytes outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified. In addition, samples 1, 2, 3, and 4 required dilution due th the nature of the sample matrix. The reporting limits are therefore elevated.

Herbicide Analysis

Samples 560-16840-1, 2, 3, and 4 were analyzed for Herbicides using EPA Method 8151A in batch 560-19514. The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 19451 were outside control limits for dalapon due to sample matrix interferences; however, these analytes were not detected in the samples. The associated laboratory control sample (LCS) met acceptance criteria and the data are therefore reported. In addition, the percent recovery results for the LCS associated with this batch was outside the acceptance criteria for dalapon; howver dalapon was not detected in the samples. The data are therefore reported.

Organochlorine Pesticides

Samples 560-16840-1, 2, 3, and 4 were analyzed for Organochlorine Pesticides using EPA Method 8081B in batch 560-39184. Samples 1 through 4 were diluted due to the abundance of non-target analytes. Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: ARGO Systems LLC

Job Number: 560-16840-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
560-16840-1	**LF-CENTRAL STOCKPILE**					
1,1-Dichloroethene		3.2	J	7.1	ug/Kg	8260B
Methylene Chloride		11	J	35	ug/Kg	8260B
Acetone		22	J	35	ug/Kg	8260B
2-Hexanone		2.2	J	7.1	ug/Kg	8260B
2-Butanone (MEK)		4.2	J	7.1	ug/Kg	8260B
Xylenes, Total		0.64	J	21	ug/Kg	8260B
Fluoranthene		160	J	1300	ug/Kg	8270C
Pyrene		140	J	1300	ug/Kg	8270C
Butyl benzyl phthalate		83	J	1300	ug/Kg	8270C
Benzo[a]anthracene		88	J	1300	ug/Kg	8270C
Chrysene		130	J	1300	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		300	J	1300	ug/Kg	8270C
Benzo[b]fluoranthene		120	J	1300	ug/Kg	8270C
Benzo[a]pyrene		93	J	1300	ug/Kg	8270C
Benzo[g,h,i]perylene		77	J	1300	ug/Kg	8270C
4,4'-DDE		9.4		8.6	ug/Kg	8081B
4,4'-DDT		2.9	J	8.6	ug/Kg	8081B
alpha-Chlordane		4.7	J	8.6	ug/Kg	8081B
Chlordane (technical)		50	J	86	ug/Kg	8081B
gamma-Chlordane		5.0	J	8.6	ug/Kg	8081B
Heptachlor		5.2	J	8.6	ug/Kg	8081B
Over C12-C28		200		50	mg/Kg	TX 1005
Over C28-C35		230		50	mg/Kg	TX 1005
C6-C12		6.6	J	50	mg/Kg	TX 1005
C6-C35		440		50	mg/Kg	TX 1005
Arsenic		1.7		0.23	mg/Kg	6020
Barium		120		0.23	mg/Kg	6020
Cadmium		0.13	J	0.23	mg/Kg	6020
Chromium		3.5		0.23	mg/Kg	6020
Lead		12		0.23	mg/Kg	6020
Selenium		0.10	J	0.23	mg/Kg	6020
Percent Moisture		0.66		0.010	%	Moisture
Percent Solids		99		0.010	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARGO Systems LLC

Job Number: 560-16840-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
560-16840-2	**LF-CENTRAL STOCKPILE DUP**					
1,1-Dichloroethene		1.3	J	7.6	ug/Kg	8260B
Acetone		27	J	38	ug/Kg	8260B
2-Hexanone		2.1	J	7.6	ug/Kg	8260B
2-Butanone (MEK)		5.0	J B	7.6	ug/Kg	8260B
Fluoranthene		140	J	1300	ug/Kg	8270C
Pyrene		120	J	1300	ug/Kg	8270C
Butyl benzyl phthalate		74	J	1300	ug/Kg	8270C
Chrysene		93	J	1300	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		400	J	1300	ug/Kg	8270C
Benzo[b]fluoranthene		88	J	1300	ug/Kg	8270C
4,4'-DDE		8.0	J	8.5	ug/Kg	8081B
4,4'-DDT		3.2	J	8.5	ug/Kg	8081B
alpha-Chlordane		4.7	J	8.5	ug/Kg	8081B
Chlordane (technical)		38	J	85	ug/Kg	8081B
Heptachlor		3.8	J	8.5	ug/Kg	8081B
Over C12-C28		180		50	mg/Kg	TX 1005
Over C28-C35		220		50	mg/Kg	TX 1005
C6-C12		6.4	J	50	mg/Kg	TX 1005
C6-C35		410		50	mg/Kg	TX 1005
Arsenic		1.2		0.20	mg/Kg	6020
Barium		120		1.0	mg/Kg	6020
Cadmium		0.099	J	0.20	mg/Kg	6020
Chromium		2.3		0.20	mg/Kg	6020
Lead		12		0.20	mg/Kg	6020
Selenium		0.073	J	0.20	mg/Kg	6020
Mercury		0.057	J	0.16	mg/Kg	7471A
Percent Moisture		0.56		0.010	%	Moisture
Percent Solids		99		0.010	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: ARGO Systems LLC

Job Number: 560-16840-1

Lab Sample ID	Client Sample ID			Reporting		
Analyte		Result / Qualifier		Limit	Units	Method
560-16840-3	**LF-WEST STOCKPILE**					
1,1-Dichloroethene		3.9	J	6.5	ug/Kg	8260B
Methylene Chloride		20	J B	32	ug/Kg	8260B
Acetone		33		32	ug/Kg	8260B
4-Methyl-2-pentanone (MIBK)		1.8	J	6.5	ug/Kg	8260B
2-Hexanone		3.6	J	6.5	ug/Kg	8260B
1,2,4-Trimethylbenzene		0.78	J	6.5	ug/Kg	8260B
2-Butanone (MEK)		6.9	B	6.5	ug/Kg	8260B
Fluoranthene		96	J	1300	ug/Kg	8270C
Pyrene		91	J	1300	ug/Kg	8270C
Butyl benzyl phthalate		130	J	1300	ug/Kg	8270C
Chrysene		70	J	1300	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		220	J	1300	ug/Kg	8270C
Benzo[b]fluoranthene		83	J	1300	ug/Kg	8270C
4,4'-DDE		10		8.6	ug/Kg	8081B
Over C12-C28		110		50	mg/Kg	TX 1005
Over C28-C35		180		50	mg/Kg	TX 1005
C6-C12		6.6	J	50	mg/Kg	TX 1005
C6-C35		300		50	mg/Kg	TX 1005
Arsenic		2.0		0.21	mg/Kg	6020
Barium		140		1.0	mg/Kg	6020
Cadmium		0.094	J	0.21	mg/Kg	6020
Chromium		11		0.21	mg/Kg	6020
Lead		40		0.21	mg/Kg	6020
Selenium		0.090	J	0.21	mg/Kg	6020
Percent Moisture		0.63		0.010	%	Moisture
Percent Solids		99		0.010	%	Moisture
560-16840-4	**LF-NORTH STOCKPILE**					
1,1-Dichloroethene		2.4	J	6.9	ug/Kg	8260B
Methylene Chloride		7.0	J	34	ug/Kg	8260B
Acetone		7.6	J	34	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		51	J	680	ug/Kg	8270C
4,4'-DDE		2.0	J	3.5	ug/Kg	8081B
Heptachlor		1.7	J	3.5	ug/Kg	8081B
Over C12-C28		16	J	52	mg/Kg	TX 1005
Over C28-C35		21	J	52	mg/Kg	TX 1005
C6-C35		37	J	52	mg/Kg	TX 1005
Arsenic		2.1		0.20	mg/Kg	6020
Barium		74		0.20	mg/Kg	6020
Cadmium		0.12	J	0.20	mg/Kg	6020
Chromium		4.2		0.20	mg/Kg	6020
Lead		6.5		0.20	mg/Kg	6020
Selenium		0.15	J	0.20	mg/Kg	6020
Percent Moisture		3.5		0.010	%	Moisture
Percent Solids		96		0.010	%	Moisture

METHOD SUMMARY

Client: ARGO Systems LLC

Job Number: 560-16840-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL CC	SW846 8260B	
Closed System Purge and Trap	TAL CC		SW846 5035
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL CC	SW846 8270C	
Ultrasonic Extraction	TAL CC		SW846 3550B
Organochlorine Pesticides by Gas Chromatography	TAL CC	SW846 8081B	
Ultrasonic Extraction	TAL CC		SW846 3550B
Herbicides (GC)	TAL HOU	SW846 8151A	
Extraction (Herbicides)	TAL HOU		SW846 8151A
Texas - Total Petroleum Hydrocarbon (GC)	TAL CC	TCEQ TX 1005	
Extraction - Texas Total petroleum Hyrdocarbons	TAL CC		TCEQ TX_1005_S_Prep
Metals (ICP/MS)	TAL CC	SW846 6020	
Preparation, Metals	TAL CC		SW846 3050B
Mercury (CVAA)	TAL CC	SW846 7471A	
Preparation, Mercury	TAL CC		SW846 7471A
Percent Moisture	TAL CC	EPA Moisture	
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL CC	SW846 8260B	
Purge and Trap	TAL CC		SW846 5030B

Lab References:

TAL CC = TestAmerica Corpus Christi

TAL HOU = TestAmerica Houston

Method References:

EPA = US Environmental Protection Agency

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

TCEQ = Texas Commission of Environmental Quality

METHOD / ANALYST SUMMARY

Client: ARGO Systems LLC

Job Number: 560-16840-1

Method	Analyst	Analyst ID
SW846 8260B	Goebel, Susan	SG
SW846 8260B	Michalk, Kevin	KRM
SW846 8270C	Fisher, Gayland E	GEF
SW846 8081B	Haas, Richard	RH
SW846 8151A	Patel, Kanisha	KP
TCEQ TX 1005	Craig, Bronson	BC
SW846 6020	Mathewson, John E	JEM
SW846 7471A	Mathewson, John E	JEM
EPA Moisture	Gonzalez, Sonia	SG

SAMPLE SUMMARY

Client: ARGO Systems LLC

Job Number: 560-16840-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
560-16840-1	LF-Central Stockpile	Soil	08/14/2009 1630	08/15/2009 1451
560-16840-2	LF-Central Stockpile Dup	Soil	08/14/2009 1630	08/15/2009 1451
560-16840-3	LF-West Stockpile	Soil	08/14/2009 1640	08/15/2009 1451
560-16840-4	LF-North Stockpile	Soil	08/14/2009 1645	08/15/2009 1451
560-16840-5TB	Trip Blank	Water	08/14/2009 0000	08/15/2009 1451

SAMPLE RESULTS

Client: ARGO Systems LLC | Job Number: 560-16840-1

Client Sample ID: **LF-Central Stockpile**

Lab Sample ID: 560-16840-1 | Date Sampled: 08/14/2009 1630
Client Matrix: Soil | % Moisture: 0.7 | Date Received: 08/15/2009 1451

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38924		Instrument ID:	VGCMS#3
Preparation:	5035	Prep Batch: 560-38935		Lab File ID:	08180909.D
Dilution:	1.0			Initial Weight/Volume:	3.56 g
Date Analyzed:	08/18/2009 1152			Final Weight/Volume:	5 mL
Date Prepared:	08/18/2009 0800				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		<1.0		1.0	7.1
Chloromethane		<1.7		1.7	7.1
Vinyl chloride		<0.85		0.85	7.1
Bromomethane		<1.6		1.6	7.1
Chloroethane		<0.57		0.57	7.1
Trichlorofluoromethane		<1.4		1.4	7.1
Ethyl ether		<0.57		0.57	7.1
1,1-Dichloroethene		3.2	J	0.57	7.1
Carbon disulfide		<1.0		1.0	7.1
Iodomethane		<1.1		1.1	7.1
Methylene Chloride		11	J	7.1	35
Acetone		22	J	7.1	35
trans-1,2-Dichloroethene		<0.57		0.57	7.1
Methyl tert-butyl ether		<0.86		0.86	7.1
Acetonitrile		<52		52	71
1,1-Dichloroethane		<0.83		0.83	7.1
Vinyl acetate		<1.6		1.6	7.1
cis-1,2-Dichloroethene		<0.81		0.81	7.1
2,2-Dichloropropane		<1.2		1.2	7.1
Chloroform		<1.2		1.2	7.1
Ethyl acetate		<1.7		1.7	7.1
Carbon tetrachloride		<0.72		0.72	7.1
1,1,1-Trichloroethane		<0.99		0.99	7.1
1,1-Dichloropropene		<0.74		0.74	7.1
Benzene		<0.57		0.57	7.1
1,2-Dichloroethane		<0.74		0.74	7.1
Trichloroethene		<0.57		0.57	7.1
Dibromomethane		<1.0		1.0	7.1
1,2-Dichloropropane		<0.57		0.57	7.1
Dichlorobromomethane		<0.57		0.57	7.1
Methyl methacrylate		<1.6		1.6	7.1
1,4-Dioxane		<27		27	140
cis-1,3-Dichloropropene		<0.57		0.57	7.1
Toluene		<0.79		0.79	7.1
2-Nitropropane		<0.74		0.74	7.1
4-Methyl-2-pentanone (MIBK)		<1.3		1.3	7.1
trans-1,3-Dichloropropene		<0.74		0.74	7.1
Tetrachloroethene		<1.0		1.0	7.1
Ethyl methacrylate		<0.72		0.72	7.1
1,1,2-Trichloroethane		<0.71		0.71	7.1
Chlorodibromomethane		<0.90		0.90	7.1
1,3-Dichloropropane		<0.57		0.57	7.1
Ethylene Dibromide		<0.57		0.57	7.1
2-Hexanone		2.2	J	1.7	7.1
Chlorobenzene		<0.57		0.57	7.1
Ethylbenzene		<0.57		0.57	7.1

Client: ARGO Systems LLC

Job Number: 560-16840-1

Client Sample ID: **LF-Central Stockpile**

Lab Sample ID: 560-16840-1

Client Matrix: Soil

% Moisture: 0.7

Date Sampled: 08/14/2009 1630

Date Received: 08/15/2009 1451

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38924		Instrument ID:	VGCMS#3
Preparation:	5035	Prep Batch: 560-38935		Lab File ID:	08180909.D
Dilution:	1.0			Initial Weight/Volume:	3.56 g
Date Analyzed:	08/18/2009 1152			Final Weight/Volume:	5 mL
Date Prepared:	08/18/2009 0800				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bromoform		<0.72		0.72	7.1
Styrene		<0.57		0.57	7.1
1,1,2,2-Tetrachloroethane		<0.57		0.57	7.1
1,2,3-Trichloropropane		<1.1		1.1	7.1
1,3,5-Trimethylbenzene		<0.57		0.57	7.1
1,2,4-Trimethylbenzene		<0.57		0.57	7.1
1,2,3-Trichlorobenzene		<0.62		0.62	7.1
2-Butanone (MEK)		4.2	J	1.4	7.1
1,1,2-Trichloro-1,2,2-trifluoroethane		<0.95		0.95	7.1
Xylenes, Total		0.64	J	0.57	21

Surrogate	%Rec	Qualifier	Acceptance Limits
Dibromofluoromethane (Surr)	95		51 - 138
1,2-Dichloroethane-d4 (Surr)	95		61 - 134
Toluene-d8 (Surr)	85		56 - 125
4-Bromofluorobenzene (Surr)	85		52 - 126

Client: ARGO Systems LLC | Job Number: 560-16840-1

Client Sample ID: **LF-Central Stockpile Dup**

Lab Sample ID: 560-16840-2 | Date Sampled: 08/14/2009 1630
Client Matrix: Soil | % Moisture: 0.6 | Date Received: 08/15/2009 1451

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38967		Instrument ID:	VGCMS#3
Preparation:	5035	Prep Batch: 560-38974		Lab File ID:	08190912.D
Dilution:	1.0			Initial Weight/Volume:	3.30 g
Date Analyzed:	08/19/2009 1358			Final Weight/Volume:	5 mL
Date Prepared:	08/19/2009 0830				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		<1.1		1.1	7.6
Chloromethane		<1.8		1.8	7.6
Vinyl chloride		<0.91		0.91	7.6
Bromomethane		<1.7		1.7	7.6
Chloroethane		<0.61		0.61	7.6
Trichlorofluoromethane		<1.5		1.5	7.6
Ethyl ether		<0.61		0.61	7.6
1,1-Dichloroethene		1.3	J	0.61	7.6
Carbon disulfide		<1.1		1.1	7.6
Iodomethane		<1.2		1.2	7.6
Methylene Chloride		<7.6		7.6	38
Acetone		27	J	7.6	38
trans-1,2-Dichloroethene		<0.61		0.61	7.6
Methyl tert-butyl ether		<0.93		0.93	7.6
Acetonitrile		<56		56	76
1,1-Dichloroethane		<0.90		0.90	7.6
Vinyl acetate		<1.7		1.7	7.6
cis-1,2-Dichloroethene		<0.87		0.87	7.6
2,2-Dichloropropane		<1.3		1.3	7.6
Chloroform		<1.3		1.3	7.6
Ethyl acetate		<1.8		1.8	7.6
Carbon tetrachloride		<0.78		0.78	7.6
1,1,1-Trichloroethane		<1.1		1.1	7.6
1,1-Dichloropropene		<0.79		0.79	7.6
Benzene		<0.61		0.61	7.6
1,2-Dichloroethane		<0.79		0.79	7.6
Trichloroethene		<0.61		0.61	7.6
Dibromomethane		<1.1		1.1	7.6
1,2-Dichloropropane		<0.61		0.61	7.6
Dichlorobromomethane		<0.61		0.61	7.6
Methyl methacrylate		<1.7		1.7	7.6
1,4-Dioxane		<29		29	150
cis-1,3-Dichloropropene		<0.61		0.61	7.6
Toluene		<0.85		0.85	7.6
2-Nitropropane		<0.79		0.79	7.6
4-Methyl-2-pentanone (MIBK)		<1.4		1.4	7.6
trans-1,3-Dichloropropene		<0.79		0.79	7.6
Tetrachloroethene		<1.1		1.1	7.6
Ethyl methacrylate		<0.78		0.78	7.6
1,1,2-Trichloroethane		<0.76		0.76	7.6
Chlorodibromomethane		<0.98		0.98	7.6
1,3-Dichloropropane		<0.61		0.61	7.6
Ethylene Dibromide		<0.61		0.61	7.6
2-Hexanone		2.1	J	1.8	7.6
Chlorobenzene		<0.61		0.61	7.6
Ethylbenzene		<0.61		0.61	7.6

Client: ARGO Systems LLC

Job Number: 560-16840-1

Client Sample ID: **LF-Central Stockpile Dup**

Lab Sample ID: 560-16840-2

Client Matrix: Soil

% Moisture: 0.6

Date Sampled: 08/14/2009 1630

Date Received: 08/15/2009 1451

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38967		Instrument ID:	VGCMS#3
Preparation:	5035	Prep Batch: 560-38974		Lab File ID:	08190912.D
Dilution:	1.0			Initial Weight/Volume:	3.30 g
Date Analyzed:	08/19/2009 1358			Final Weight/Volume:	5 mL
Date Prepared:	08/19/2009 0830				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bromoform		<0.78		0.78	7.6
Styrene		<0.61		0.61	7.6
1,1,2,2-Tetrachloroethane		<0.61		0.61	7.6
1,2,3-Trichloropropane		<1.2		1.2	7.6
1,3,5-Trimethylbenzene		<0.61		0.61	7.6
1,2,4-Trimethylbenzene		<0.61		0.61	7.6
1,2,3-Trichlorobenzene		<0.67		0.67	7.6
2-Butanone (MEK)		5.0	J B	1.5	7.6
1,1,2-Trichloro-1,2,2-trifluoroethane		<1.0		1.0	7.6
Xylenes, Total		<0.61		0.61	23

Surrogate	%Rec	Qualifier	Acceptance Limits
Dibromofluoromethane (Surr)	94		51 - 138
1,2-Dichloroethane-d4 (Surr)	92		61 - 134
Toluene-d8 (Surr)	85		56 - 125
4-Bromofluorobenzene (Surr)	77		52 - 126

Client: ARGO Systems LLC | Job Number: 560-16840-1

Client Sample ID: **LF-West Stockpile**

Lab Sample ID: 560-16840-3 | Date Sampled: 08/14/2009 1640
Client Matrix: Soil | % Moisture: 0.6 | Date Received: 08/15/2009 1451

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38967		Instrument ID:	VGCMS#3
Preparation:	5035	Prep Batch: 560-38974		Lab File ID:	08190913.D
Dilution:	1.0			Initial Weight/Volume:	3.89 g
Date Analyzed:	08/19/2009 1423			Final Weight/Volume:	5 mL
Date Prepared:	08/19/2009 0830				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		<0.94		0.94	6.5
Chloromethane		<1.6		1.6	6.5
Vinyl chloride		<0.78		0.78	6.5
Bromomethane		<1.4		1.4	6.5
Chloroethane		<0.52		0.52	6.5
Trichlorofluoromethane		<1.3		1.3	6.5
Ethyl ether		<0.52		0.52	6.5
1,1-Dichloroethene		3.9	J	0.52	6.5
Carbon disulfide		<0.94		0.94	6.5
Iodomethane		<1.0		1.0	6.5
Methylene Chloride		20	J B	6.5	32
Acetone		33		6.5	32
trans-1,2-Dichloroethene		<0.52		0.52	6.5
Methyl tert-butyl ether		<0.79		0.79	6.5
Acetonitrile		<48		48	65
1,1-Dichloroethane		<0.76		0.76	6.5
Vinyl acetate		<1.4		1.4	6.5
cis-1,2-Dichloroethene		<0.74		0.74	6.5
2,2-Dichloropropane		<1.1		1.1	6.5
Chloroform		<1.1		1.1	6.5
Ethyl acetate		<1.6		1.6	6.5
Carbon tetrachloride		<0.66		0.66	6.5
1,1,1-Trichloroethane		<0.91		0.91	6.5
1,1-Dichloropropene		<0.67		0.67	6.5
Benzene		<0.52		0.52	6.5
1,2-Dichloroethane		<0.67		0.67	6.5
Trichloroethene		<0.52		0.52	6.5
Dibromomethane		<0.92		0.92	6.5
1,2-Dichloropropane		<0.52		0.52	6.5
Dichlorobromomethane		<0.52		0.52	6.5
Methyl methacrylate		<1.4		1.4	6.5
1,4-Dioxane		<25		25	130
cis-1,3-Dichloropropene		<0.52		0.52	6.5
Toluene		<0.72		0.72	6.5
2-Nitropropane		<0.67		0.67	6.5
4-Methyl-2-pentanone (MIBK)		1.8	J	1.2	6.5
trans-1,3-Dichloropropene		<0.67		0.67	6.5
Tetrachloroethene		<0.96		0.96	6.5
Ethyl methacrylate		<0.66		0.66	6.5
1,1,2-Trichloroethane		<0.65		0.65	6.5
Chlorodibromomethane		<0.83		0.83	6.5
1,3-Dichloropropane		<0.52		0.52	6.5
Ethylene Dibromide		<0.52		0.52	6.5
2-Hexanone		3.6	J	1.6	6.5
Chlorobenzene		<0.52		0.52	6.5
Ethylbenzene		<0.52		0.52	6.5

Client: ARGO Systems LLC

Job Number: 560-16840-1

Client Sample ID: **LF-West Stockpile**

Lab Sample ID: 560-16840-3

Client Matrix: Soil

% Moisture: 0.6

Date Sampled: 08/14/2009 1640

Date Received: 08/15/2009 1451

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38967		Instrument ID:	VGCMS#3
Preparation:	5035	Prep Batch: 560-38974		Lab File ID:	08190913.D
Dilution:	1.0			Initial Weight/Volume:	3.89 g
Date Analyzed:	08/19/2009 1423			Final Weight/Volume:	5 mL
Date Prepared:	08/19/2009 0830				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bromoform		<0.66		0.66	6.5
Styrene		<0.52		0.52	6.5
1,1,2,2-Tetrachloroethane		<0.52		0.52	6.5
1,2,3-Trichloropropane		<0.98		0.98	6.5
1,3,5-Trimethylbenzene		<0.52		0.52	6.5
1,2,4-Trimethylbenzene		0.78	J	0.52	6.5
1,2,3-Trichlorobenzene		<0.57		0.57	6.5
2-Butanone (MEK)		6.9	B	1.3	6.5
1,1,2-Trichloro-1,2,2-trifluoroethane		<0.87		0.87	6.5
Xylenes, Total		<0.52		0.52	19

Surrogate	%Rec	Qualifier	Acceptance Limits
Dibromofluoromethane (Surr)	92		51 - 138
1,2-Dichloroethane-d4 (Surr)	90		61 - 134
Toluene-d8 (Surr)	86		56 - 125
4-Bromofluorobenzene (Surr)	77		52 - 126

Client: ARGO Systems LLC | Job Number: 560-16840-1

Client Sample ID: **LF-North Stockpile**

Lab Sample ID: 560-16840-4 | Date Sampled: 08/14/2009 1645
Client Matrix: Soil | % Moisture: 3.5 | Date Received: 08/15/2009 1451

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38924		Instrument ID:	VGCMS#3
Preparation:	5035	Prep Batch: 560-38935		Lab File ID:	08180912.D
Dilution:	1.0			Initial Weight/Volume:	3.76 g
Date Analyzed:	08/18/2009 1308			Final Weight/Volume:	5 mL
Date Prepared:	08/18/2009 0800				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		<1.0		1.0	6.9
Chloromethane		<1.7		1.7	6.9
Vinyl chloride		<0.83		0.83	6.9
Bromomethane		<1.5		1.5	6.9
Chloroethane		<0.55		0.55	6.9
Trichlorofluoromethane		<1.4		1.4	6.9
Ethyl ether		<0.55		0.55	6.9
1,1-Dichloroethene		2.4	J	0.55	6.9
Carbon disulfide		<1.0		1.0	6.9
Iodomethane		<1.1		1.1	6.9
Methylene Chloride		7.0	J	6.9	34
Acetone		7.6	J	6.9	34
trans-1,2-Dichloroethene		<0.55		0.55	6.9
Methyl tert-butyl ether		<0.84		0.84	6.9
Acetonitrile		<51		51	69
1,1-Dichloroethane		<0.81		0.81	6.9
Vinyl acetate		<1.5		1.5	6.9
cis-1,2-Dichloroethene		<0.79		0.79	6.9
2,2-Dichloropropane		<1.2		1.2	6.9
Chloroform		<1.2		1.2	6.9
Ethyl acetate		<1.7		1.7	6.9
Carbon tetrachloride		<0.70		0.70	6.9
1,1,1-Trichloroethane		<0.96		0.96	6.9
1,1-Dichloropropene		<0.72		0.72	6.9
Benzene		<0.55		0.55	6.9
1,2-Dichloroethane		<0.72		0.72	6.9
Trichloroethene		<0.55		0.55	6.9
Dibromomethane		<0.98		0.98	6.9
1,2-Dichloropropane		<0.55		0.55	6.9
Dichlorobromomethane		<0.55		0.55	6.9
Methyl methacrylate		<1.5		1.5	6.9
1,4-Dioxane		<26		26	140
cis-1,3-Dichloropropene		<0.55		0.55	6.9
Toluene		<0.77		0.77	6.9
2-Nitropropane		<0.72		0.72	6.9
4-Methyl-2-pentanone (MIBK)		<1.3		1.3	6.9
trans-1,3-Dichloropropene		<0.72		0.72	6.9
Tetrachloroethene		<1.0		1.0	6.9
Ethyl methacrylate		<0.70		0.70	6.9
1,1,2-Trichloroethane		<0.69		0.69	6.9
Chlorodibromomethane		<0.88		0.88	6.9
1,3-Dichloropropane		<0.55		0.55	6.9
Ethylene Dibromide		<0.55		0.55	6.9
2-Hexanone		<1.7		1.7	6.9
Chlorobenzene		<0.55		0.55	6.9
Ethylbenzene		<0.55		0.55	6.9

Client: ARGO Systems LLC

Job Number: 560-16840-1

Client Sample ID: **LF-North Stockpile**

Lab Sample ID: 560-16840-4

Client Matrix: Soil

% Moisture: 3.5

Date Sampled: 08/14/2009 1645

Date Received: 08/15/2009 1451

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38924		Instrument ID:	VGCMS#3
Preparation:	5035	Prep Batch: 560-38935		Lab File ID:	08180912.D
Dilution:	1.0			Initial Weight/Volume:	3.76 g
Date Analyzed:	08/18/2009 1308			Final Weight/Volume:	5 mL
Date Prepared:	08/18/2009 0800				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bromoform		<0.70		0.70	6.9
Styrene		<0.55		0.55	6.9
1,1,2,2-Tetrachloroethane		<0.55		0.55	6.9
1,2,3-Trichloropropane		<1.0		1.0	6.9
1,3,5-Trimethylbenzene		<0.55		0.55	6.9
1,2,4-Trimethylbenzene		<0.55		0.55	6.9
1,2,3-Trichlorobenzene		<0.61		0.61	6.9
2-Butanone (MEK)		<1.4		1.4	6.9
1,1,2-Trichloro-1,2,2-trifluoroethane		<0.92		0.92	6.9
Xylenes, Total		<0.55		0.55	21

Surrogate	%Rec	Qualifier	Acceptance Limits
Dibromofluoromethane (Surr)	93		51 - 138
1,2-Dichloroethane-d4 (Surr)	93		61 - 134
Toluene-d8 (Surr)	88		56 - 125
4-Bromofluorobenzene (Surr)	87		52 - 126

Client: ARGO Systems LLC

Job Number: 560-16840-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 560-16840-5TB

Client Matrix: Water

Date Sampled: 08/14/2009 0000

Date Received: 08/15/2009 1451

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38897	Instrument ID:	VGCMS#2
Preparation:	5030B		Lab File ID:	08170925.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	08/18/2009 0038		Final Weight/Volume:	5 mL
Date Prepared:	08/18/2009 0038			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	<0.43		0.43	1.0
Chloromethane	<0.39		0.39	1.0
Vinyl chloride	<0.20		0.20	1.0
Bromomethane	<0.39		0.39	1.0
Chloroethane	<0.40		0.40	1.0
Trichlorofluoromethane	<0.24		0.24	1.0
Ethyl ether	<0.20		0.20	1.0
1,1-Dichloroethene	<0.20		0.20	1.0
Carbon disulfide	<0.20		0.20	1.0
Iodomethane	<0.22		0.22	1.0
Methylene Chloride	<2.0		2.0	10
Acetone	<5.0		5.0	10
trans-1,2-Dichloroethene	<0.20	*	0.20	1.0
Methyl tert-butyl ether	<0.20		0.20	1.0
Acetonitrile	<2.2		2.2	10
1,1-Dichloroethane	<0.20		0.20	1.0
Vinyl acetate	<0.20		0.20	1.0
cis-1,2-Dichloroethene	<0.20		0.20	1.0
2,2-Dichloropropane	<0.34		0.34	1.0
Chloroform	<0.20		0.20	1.0
Ethyl acetate	<0.20		0.20	1.0
Carbon tetrachloride	<0.25		0.25	1.0
1,1,1-Trichloroethane	<0.20		0.20	1.0
1,1-Dichloropropene	<0.20		0.20	1.0
Benzene	<0.20		0.20	1.0
1,2-Dichloroethane	<0.20		0.20	1.0
Trichloroethene	<0.32		0.32	1.0
Dibromomethane	<0.20		0.20	1.0
1,2-Dichloropropane	<0.20		0.20	1.0
Dichlorobromomethane	<0.20		0.20	1.0
Methyl methacrylate	<0.20		0.20	5.0
1,4-Dioxane	<7.5		7.5	100
cis-1,3-Dichloropropene	<0.20		0.20	1.0
Toluene	<0.20		0.20	1.0
2-Nitropropane	<0.22		0.22	5.0
4-Methyl-2-pentanone (MIBK)	<0.20		0.20	1.0
trans-1,3-Dichloropropene	<0.20		0.20	1.0
Tetrachloroethene	<0.20		0.20	1.0
Ethyl methacrylate	<0.20		0.20	5.0
1,1,2-Trichloroethane	<0.20		0.20	1.0
Chlorodibromomethane	<0.22		0.22	1.0
1,3-Dichloropropane	<0.20		0.20	1.0
Ethylene Dibromide	<0.20		0.20	1.0
2-Hexanone	<0.20		0.20	1.0
Chlorobenzene	<0.20		0.20	1.0
Ethylbenzene	<0.20		0.20	1.0

Client: ARGO Systems LLC

Job Number: 560-16840-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 560-16840-5TB

Client Matrix: Water

Date Sampled: 08/14/2009 0000

Date Received: 08/15/2009 1451

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 560-38897	Instrument ID:	VGCMS#2
Preparation:	5030B		Lab File ID:	08170925.D
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	08/18/2009 0038		Final Weight/Volume:	5 mL
Date Prepared:	08/18/2009 0038			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Bromoform	<0.20		0.20	5.0
Styrene	<0.20		0.20	5.0
1,1,2,2-Tetrachloroethane	<0.20		0.20	1.0
1,2,3-Trichloropropane	<0.20		0.20	1.0
1,3,5-Trimethylbenzene	<0.20		0.20	1.0
1,2,4-Trimethylbenzene	<0.20		0.20	1.0
1,2,3-Trichlorobenzene	<0.22		0.22	5.0
2-Butanone (MEK)	<0.47		0.47	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.28		0.28	1.0
Xylenes, Total	<0.23		0.23	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Dibromofluoromethane (Surr)	90		74 - 123
1,2-Dichloroethane-d4 (Surr)	108		76 - 125
Toluene-d8 (Surr)	92		80 - 120
4-Bromofluorobenzene (Surr)	97		77 - 120

Client: ARGO Systems LLC | Job Number: 560-16840-1

Client Sample ID: **LF-Central Stockpile**

Lab Sample ID: 560-16840-1 | Date Sampled: 08/14/2009 1630
Client Matrix: Soil | % Moisture: 0.7 | Date Received: 08/15/2009 1451

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-39250		Instrument ID:	SVGCMS#3
Preparation:	3550B	Prep Batch: 560-38973		Lab File ID:	08260915.D
Dilution:	4.0			Initial Weight/Volume:	30.01 g
Date Analyzed:	08/26/2009 1710			Final Weight/Volume:	1 mL
Date Prepared:	08/19/2009 1000			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		<67		67	1300
Bis(2-chloroethyl)ether		<150		150	1300
2-Chlorophenol		<110		110	1300
1,3-Dichlorobenzene		<180		180	1300
1,4-Dichlorobenzene		<180		180	1300
Benzyl alcohol		<99		99	1300
1,2-Dichlorobenzene		<210		210	1300
2-Methylphenol		<130		130	1300
3 & 4 Methylphenol		<200		200	1300
N-Nitrosodi-n-propylamine		<67		67	1300
Hexachloroethane		<200		200	1300
Nitrobenzene		<150		150	1300
Isophorone		<67		67	1300
2-Nitrophenol		<68		68	1300
2,4-Dimethylphenol		<82		82	1300
Bis(2-chloroethoxy)methane		<67		67	1300
2,4-Dichlorophenol		<92		92	1300
1,2,4-Trichlorobenzene		<180		180	1300
Naphthalene		<170		170	1300
4-Chloroaniline		<270		270	1300
Hexachlorobutadiene		<180		180	1300
4-Chloro-3-methylphenol		<67		67	1300
2-Methylnaphthalene		<130		130	1300
Hexachlorocyclopentadiene		<110		110	1300
2,4,6-Trichlorophenol		<67		67	1300
2,4,5-Trichlorophenol		<67		67	1300
2-Chloronaphthalene		<67		67	1300
2-Nitroaniline		<200		200	1300
Dimethyl phthalate		<67		67	1300
Acenaphthylene		<67		67	1300
2,6-Dinitrotoluene		<200		200	1300
3-Nitroaniline		<270		270	1300
Acenaphthene		<67		67	1300
2,4-Dinitrophenol		<270		270	1300
4-Nitrophenol		<270		270	1300
Dibenzofuran		<67		67	1300
2,4-Dinitrotoluene		<200		200	1300
Diethyl phthalate		<67		67	1300
Fluorene		<67		67	1300
4-Chlorophenyl phenyl ether		<67		67	1300
4-Nitroaniline		<270		270	1300
4,6-Dinitro-2-methylphenol		<270		270	1300
N-Nitrosodiphenylamine		<67		67	1300
4-Bromophenyl phenyl ether		<67		67	1300
Hexachlorobenzene		<67		67	1300
Phenanthrene		<67		67	1300

Client: ARGO Systems LLC

Job Number: 560-16840-1

Client Sample ID: **LF-Central Stockpile**

Lab Sample ID: 560-16840-1

Client Matrix: Soil

% Moisture: 0.7

Date Sampled: 08/14/2009 1630

Date Received: 08/15/2009 1451

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-39250		Instrument ID:	SVGCMS#3
Preparation:	3550B	Prep Batch: 560-38973		Lab File ID:	08260915.D
Dilution:	4.0			Initial Weight/Volume:	30.01 g
Date Analyzed:	08/26/2009 1710			Final Weight/Volume:	1 mL
Date Prepared:	08/19/2009 1000			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Anthracene		<67		67	1300
Di-n-butyl phthalate		<67		67	1300
Fluoranthene		160	J	67	1300
Pyrene		140	J	67	1300
Butyl benzyl phthalate		83	J	67	1300
Benzo[a]anthracene		88	J	67	1300
Chrysene		130	J	67	1300
Bis(2-ethylhexyl) phthalate		300	J	67	1300
Di-n-octyl phthalate		<67		67	1300
Benzo[b]fluoranthene		120	J	67	1300
Benzo[k]fluoranthene		<67		67	1300
Benzo[a]pyrene		93	J	67	1300
Indeno[1,2,3-cd]pyrene		<67		67	1300
Dibenz(a,h)anthracene		<67		67	1300
Benzo[g,h,i]perylene		77	J	67	1300
3,3'-Dichlorobenzidine		<670		670	1300
Pentachlorophenol		<270		270	1300

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	75		54 - 120
Phenol-d5	73		55 - 120
Nitrobenzene-d5	75		53 - 120
2-Fluorobiphenyl	72		58 - 120
2,4,6-Tribromophenol	82		64 - 120
Terphenyl-d14	69		64 - 125

Client: ARGO Systems LLC | Job Number: 560-16840-1

Client Sample ID: **LF-Central Stockpile Dup**

Lab Sample ID: 560-16840-2 | Date Sampled: 08/14/2009 1630
Client Matrix: Soil | % Moisture: 0.6 | Date Received: 08/15/2009 1451

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-39250		Instrument ID:	SVGCMS#3
Preparation:	3550B	Prep Batch: 560-38973		Lab File ID:	08260916.D
Dilution:	4.0			Initial Weight/Volume:	29.99 g
Date Analyzed:	08/26/2009 1738			Final Weight/Volume:	1 mL
Date Prepared:	08/19/2009 1000			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		<67		67	1300
Bis(2-chloroethyl)ether		<150		150	1300
2-Chlorophenol		<110		110	1300
1,3-Dichlorobenzene		<180		180	1300
1,4-Dichlorobenzene		<180		180	1300
Benzyl alcohol		<99		99	1300
1,2-Dichlorobenzene		<210		210	1300
2-Methylphenol		<130		130	1300
3 & 4 Methylphenol		<200		200	1300
N-Nitrosodi-n-propylamine		<67		67	1300
Hexachloroethane		<200		200	1300
Nitrobenzene		<150		150	1300
Isophorone		<67		67	1300
2-Nitrophenol		<68		68	1300
2,4-Dimethylphenol		<82		82	1300
Bis(2-chloroethoxy)methane		<67		67	1300
2,4-Dichlorophenol		<92		92	1300
1,2,4-Trichlorobenzene		<180		180	1300
Naphthalene		<170		170	1300
4-Chloroaniline		<270		270	1300
Hexachlorobutadiene		<180		180	1300
4-Chloro-3-methylphenol		<67		67	1300
2-Methylnaphthalene		<130		130	1300
Hexachlorocyclopentadiene		<110		110	1300
2,4,6-Trichlorophenol		<67		67	1300
2,4,5-Trichlorophenol		<67		67	1300
2-Chloronaphthalene		<67		67	1300
2-Nitroaniline		<200		200	1300
Dimethyl phthalate		<67		67	1300
Acenaphthylene		<67		67	1300
2,6-Dinitrotoluene		<200		200	1300
3-Nitroaniline		<270		270	1300
Acenaphthene		<67		67	1300
2,4-Dinitrophenol		<270		270	1300
4-Nitrophenol		<270		270	1300
Dibenzofuran		<67		67	1300
2,4-Dinitrotoluene		<200		200	1300
Diethyl phthalate		<67		67	1300
Fluorene		<67		67	1300
4-Chlorophenyl phenyl ether		<67		67	1300
4-Nitroaniline		<270		270	1300
4,6-Dinitro-2-methylphenol		<270		270	1300
N-Nitrosodiphenylamine		<67		67	1300
4-Bromophenyl phenyl ether		<67		67	1300
Hexachlorobenzene		<67		67	1300
Phenanthrene		<67		67	1300

Client: ARGO Systems LLC | Job Number: 560-16840-1

Client Sample ID: **LF-Central Stockpile Dup**

Lab Sample ID: 560-16840-2 | Date Sampled: 08/14/2009 1630
Client Matrix: Soil | % Moisture: 0.6 | Date Received: 08/15/2009 1451

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-39250		Instrument ID:	SVGCMS#3
Preparation:	3550B	Prep Batch: 560-38973		Lab File ID:	08260916.D
Dilution:	4.0			Initial Weight/Volume:	29.99 g
Date Analyzed:	08/26/2009 1738			Final Weight/Volume:	1 mL
Date Prepared:	08/19/2009 1000			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Anthracene		<67		67	1300
Di-n-butyl phthalate		<67		67	1300
Fluoranthene		140	J	67	1300
Pyrene		120	J	67	1300
Butyl benzyl phthalate		74	J	67	1300
Benzo[a]anthracene		<67		67	1300
Chrysene		93	J	67	1300
Bis(2-ethylhexyl) phthalate		400	J	67	1300
Di-n-octyl phthalate		<67		67	1300
Benzo[b]fluoranthene		88	J	67	1300
Benzo[k]fluoranthene		<67		67	1300
Benzo[a]pyrene		<67		67	1300
Indeno[1,2,3-cd]pyrene		<67		67	1300
Dibenz(a,h)anthracene		<67		67	1300
Benzo[g,h,i]perylene		<67		67	1300
3,3'-Dichlorobenzidine		<670		670	1300
Pentachlorophenol		<270		270	1300

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	80		54 - 120
Phenol-d5	78		55 - 120
Nitrobenzene-d5	78		53 - 120
2-Fluorobiphenyl	77		58 - 120
2,4,6-Tribromophenol	87		64 - 120
Terphenyl-d14	74		64 - 125

Client: ARGO Systems LLC | Job Number: 560-16840-1

Client Sample ID: **LF-West Stockpile**

Lab Sample ID: 560-16840-3 | Date Sampled: 08/14/2009 1640
Client Matrix: Soil | % Moisture: 0.6 | Date Received: 08/15/2009 1451

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-39250		Instrument ID:	SVGCMS#3
Preparation:	3550B	Prep Batch: 560-38973		Lab File ID:	08260917.D
Dilution:	4.0			Initial Weight/Volume:	30.02 g
Date Analyzed:	08/26/2009 1806			Final Weight/Volume:	1 mL
Date Prepared:	08/19/2009 1000			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		<67		67	1300
Bis(2-chloroethyl)ether		<150		150	1300
2-Chlorophenol		<110		110	1300
1,3-Dichlorobenzene		<180		180	1300
1,4-Dichlorobenzene		<180		180	1300
Benzyl alcohol		<99		99	1300
1,2-Dichlorobenzene		<210		210	1300
2-Methylphenol		<130		130	1300
3 & 4 Methylphenol		<200		200	1300
N-Nitrosodi-n-propylamine		<67		67	1300
Hexachloroethane		<200		200	1300
Nitrobenzene		<150		150	1300
Isophorone		<67		67	1300
2-Nitrophenol		<68		68	1300
2,4-Dimethylphenol		<82		82	1300
Bis(2-chloroethoxy)methane		<67		67	1300
2,4-Dichlorophenol		<92		92	1300
1,2,4-Trichlorobenzene		<180		180	1300
Naphthalene		<170		170	1300
4-Chloroaniline		<270		270	1300
Hexachlorobutadiene		<180		180	1300
4-Chloro-3-methylphenol		<67		67	1300
2-Methylnaphthalene		<130		130	1300
Hexachlorocyclopentadiene		<110		110	1300
2,4,6-Trichlorophenol		<67		67	1300
2,4,5-Trichlorophenol		<67		67	1300
2-Chloronaphthalene		<67		67	1300
2-Nitroaniline		<200		200	1300
Dimethyl phthalate		<67		67	1300
Acenaphthylene		<67		67	1300
2,6-Dinitrotoluene		<200		200	1300
3-Nitroaniline		<270		270	1300
Acenaphthene		<67		67	1300
2,4-Dinitrophenol		<270		270	1300
4-Nitrophenol		<270		270	1300
Dibenzofuran		<67		67	1300
2,4-Dinitrotoluene		<200		200	1300
Diethyl phthalate		<67		67	1300
Fluorene		<67		67	1300
4-Chlorophenyl phenyl ether		<67		67	1300
4-Nitroaniline		<270		270	1300
4,6-Dinitro-2-methylphenol		<270		270	1300
N-Nitrosodiphenylamine		<67		67	1300
4-Bromophenyl phenyl ether		<67		67	1300
Hexachlorobenzene		<67		67	1300
Phenanthrene		<67		67	1300

Client: ARGO Systems LLC

Job Number: 560-16840-1

Client Sample ID: **LF-West Stockpile**

Lab Sample ID: 560-16840-3

Client Matrix: Soil

% Moisture: 0.6

Date Sampled: 08/14/2009 1640

Date Received: 08/15/2009 1451

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-39250		Instrument ID:	SVGCMS#3
Preparation:	3550B	Prep Batch: 560-38973		Lab File ID:	08260917.D
Dilution:	4.0			Initial Weight/Volume:	30.02 g
Date Analyzed:	08/26/2009 1806			Final Weight/Volume:	1 mL
Date Prepared:	08/19/2009 1000			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Anthracene		<67		67	1300
Di-n-butyl phthalate		<67		67	1300
Fluoranthene		96	J	67	1300
Pyrene		91	J	67	1300
Butyl benzyl phthalate		130	J	67	1300
Benzo[a]anthracene		<67		67	1300
Chrysene		70	J	67	1300
Bis(2-ethylhexyl) phthalate		220	J	67	1300
Di-n-octyl phthalate		<67		67	1300
Benzo[b]fluoranthene		83	J	67	1300
Benzo[k]fluoranthene		<67		67	1300
Benzo[a]pyrene		<67		67	1300
Indeno[1,2,3-cd]pyrene		<67		67	1300
Dibenz(a,h)anthracene		<67		67	1300
Benzo[g,h,i]perylene		<67		67	1300
3,3'-Dichlorobenzidine		<670		670	1300
Pentachlorophenol		<270		270	1300

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	80		54 - 120
Phenol-d5	81		55 - 120
Nitrobenzene-d5	78		53 - 120
2-Fluorobiphenyl	75		58 - 120
2,4,6-Tribromophenol	86		64 - 120
Terphenyl-d14	76		64 - 125

Client: ARGO Systems LLC | Job Number: 560-16840-1

Client Sample ID: **LF-North Stockpile**

Lab Sample ID: 560-16840-4 | Date Sampled: 08/14/2009 1645
Client Matrix: Soil | % Moisture: 3.5 | Date Received: 08/15/2009 1451

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-39250		Instrument ID:	SVGCMS#3
Preparation:	3550B	Prep Batch: 560-38973		Lab File ID:	08260918.D
Dilution:	2.0			Initial Weight/Volume:	30.02 g
Date Analyzed:	08/26/2009 1833			Final Weight/Volume:	1 mL
Date Prepared:	08/19/2009 1000			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		<35		35	680
Bis(2-chloroethyl)ether		<77		77	680
2-Chlorophenol		<58		58	680
1,3-Dichlorobenzene		<91		91	680
1,4-Dichlorobenzene		<95		95	680
Benzyl alcohol		<51		51	680
1,2-Dichlorobenzene		<110		110	680
2-Methylphenol		<68		68	680
3 & 4 Methylphenol		<100		100	680
N-Nitrosodi-n-propylamine		<35		35	680
Hexachloroethane		<100		100	680
Nitrobenzene		<75		75	680
Isophorone		<35		35	680
2-Nitrophenol		<35		35	680
2,4-Dimethylphenol		<42		42	680
Bis(2-chloroethoxy)methane		<35		35	680
2,4-Dichlorophenol		<47		47	680
1,2,4-Trichlorobenzene		<95		95	680
Naphthalene		<86		86	680
4-Chloroaniline		<140		140	680
Hexachlorobutadiene		<93		93	680
4-Chloro-3-methylphenol		<35		35	680
2-Methylnaphthalene		<64		64	680
Hexachlorocyclopentadiene		<57		57	680
2,4,6-Trichlorophenol		<35		35	680
2,4,5-Trichlorophenol		<35		35	680
2-Chloronaphthalene		<35		35	680
2-Nitroaniline		<100		100	680
Dimethyl phthalate		<35		35	680
Acenaphthylene		<35		35	680
2,6-Dinitrotoluene		<100		100	680
3-Nitroaniline		<140		140	680
Acenaphthene		<35		35	680
2,4-Dinitrophenol		<140		140	680
4-Nitrophenol		<140		140	680
Dibenzofuran		<35		35	680
2,4-Dinitrotoluene		<100		100	680
Diethyl phthalate		<35		35	680
Fluorene		<35		35	680
4-Chlorophenyl phenyl ether		<35		35	680
4-Nitroaniline		<140		140	680
4,6-Dinitro-2-methylphenol		<140		140	680
N-Nitrosodiphenylamine		<35		35	680
4-Bromophenyl phenyl ether		<35		35	680
Hexachlorobenzene		<35		35	680
Phenanthrene		<35		35	680

Client: ARGO Systems LLC

Job Number: 560-16840-1

Client Sample ID: **LF-North Stockpile**

Lab Sample ID: 560-16840-4

Client Matrix: Soil

% Moisture: 3.5

Date Sampled: 08/14/2009 1645

Date Received: 08/15/2009 1451

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 560-39250		Instrument ID:	SVGCMS#3
Preparation:	3550B	Prep Batch: 560-38973		Lab File ID:	08260918.D
Dilution:	2.0			Initial Weight/Volume:	30.02 g
Date Analyzed:	08/26/2009 1833			Final Weight/Volume:	1 mL
Date Prepared:	08/19/2009 1000			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Anthracene		<35		35	680
Di-n-butyl phthalate		<35		35	680
Fluoranthene		<35		35	680
Pyrene		<35		35	680
Butyl benzyl phthalate		<35		35	680
Benzo[a]anthracene		<35		35	680
Chrysene		<35		35	680
Bis(2-ethylhexyl) phthalate		51	J	35	680
Di-n-octyl phthalate		<35		35	680
Benzo[b]fluoranthene		<35		35	680
Benzo[k]fluoranthene		<35		35	680
Benzo[a]pyrene		<35		35	680
Indeno[1,2,3-cd]pyrene		<35		35	680
Dibenz(a,h)anthracene		<35		35	680
Benzo[g,h,i]perylene		<35		35	680
3,3'-Dichlorobenzidine		<350		350	680
Pentachlorophenol		<140		140	680

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorophenol	79		54 - 120
Phenol-d5	78		55 - 120
Nitrobenzene-d5	77		53 - 120
2-Fluorobiphenyl	72		58 - 120
2,4,6-Tribromophenol	90		64 - 120
Terphenyl-d14	83		64 - 125

Client: ARGO Systems LLC

Job Number: 560-16840-1

Client Sample ID: **LF-Central Stockpile**

Lab Sample ID: 560-16840-1

Client Matrix: Soil

% Moisture: 0.7

Date Sampled: 08/14/2009 1630

Date Received: 08/15/2009 1451

8081B Organochlorine Pesticides by Gas Chromatography

Method:	8081B	Analysis Batch: 560-39184		Instrument ID:	SVGC#1
Preparation:	3550B	Prep Batch: 560-39074		Initial Weight/Volume:	29.98 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Date Analyzed:	08/25/2009 1840			Injection Volume:	1 uL
Date Prepared:	08/21/2009 1000			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		<0.44		0.44	8.6
4,4'-DDE		9.4		0.42	8.6
4,4'-DDT		2.9	J	0.67	8.6
Aldrin		<0.43		0.43	8.6
alpha-BHC		<1.1		1.1	8.6
alpha-Chlordane		4.7	J	1.4	8.6
beta-BHC		<1.5		1.5	8.6
Chlordane (technical)		50	J	9.5	86
delta-BHC		<0.42		0.42	8.6
Dieldrin		<0.42		0.42	8.6
Endosulfan I		<0.42		0.42	8.6
Endosulfan II		<0.42		0.42	8.6
Endosulfan sulfate		<0.54		0.54	8.6
Endrin		<0.42		0.42	8.6
Endrin aldehyde		<0.71		0.71	8.6
Endrin ketone		<0.44		0.44	8.6
gamma-BHC (Lindane)		<0.42		0.42	8.6
gamma-Chlordane		5.0	J	1.9	8.6
Heptachlor		5.2	J	2.3	8.6
Heptachlor epoxide		<0.49		0.49	8.6
Methoxychlor		<1.2		1.2	8.6
Toxaphene		<26		26	170

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	94		55 - 130
Tetrachloro-m-xylene	101		69 - 125

Client: ARGO Systems LLC

Job Number: 560-16840-1

Client Sample ID: **LF-Central Stockpile Dup**

Lab Sample ID: 560-16840-2

Client Matrix: Soil

% Moisture: 0.6

Date Sampled: 08/14/2009 1630

Date Received: 08/15/2009 1451

8081B Organochlorine Pesticides by Gas Chromatography

Method:	8081B	Analysis Batch: 560-39184		Instrument ID:	SVGC#1
Preparation:	3550B	Prep Batch: 560-39074		Initial Weight/Volume:	30.00 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Date Analyzed:	08/25/2009 1903			Injection Volume:	1 uL
Date Prepared:	08/21/2009 1000			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		<0.44		0.44	8.5
4,4'-DDE		8.0	J	0.42	8.5
4,4'-DDT		3.2	J	0.67	8.5
Aldrin		<0.43		0.43	8.5
alpha-BHC		<1.1		1.1	8.5
alpha-Chlordane		4.7	J	1.4	8.5
beta-BHC		<1.5		1.5	8.5
Chlordane (technical)		38	J	9.5	85
delta-BHC		<0.42		0.42	8.5
Dieldrin		<0.42		0.42	8.5
Endosulfan I		<0.42		0.42	8.5
Endosulfan II		<0.42		0.42	8.5
Endosulfan sulfate		<0.54		0.54	8.5
Endrin		<0.42		0.42	8.5
Endrin aldehyde		<0.70		0.70	8.5
Endrin ketone		<0.44		0.44	8.5
gamma-BHC (Lindane)		<0.42		0.42	8.5
gamma-Chlordane		<1.9		1.9	8.5
Heptachlor		3.8	J	2.3	8.5
Heptachlor epoxide		<0.48		0.48	8.5
Methoxychlor		<1.2		1.2	8.5
Toxaphene		<26		26	170

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	82		55 - 130
Tetrachloro-m-xylene	97		69 - 125

Client: ARGO Systems LLC

Job Number: 560-16840-1

Client Sample ID: **LF-West Stockpile**

Lab Sample ID: 560-16840-3

Client Matrix: Soil

% Moisture: 0.6

Date Sampled: 08/14/2009 1640

Date Received: 08/15/2009 1451

8081B Organochlorine Pesticides by Gas Chromatography

Method:	8081B	Analysis Batch: 560-39184		Instrument ID:	SVGC#1
Preparation:	3550B	Prep Batch: 560-39074		Initial Weight/Volume:	29.97 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Date Analyzed:	08/25/2009 1927			Injection Volume:	1 uL
Date Prepared:	08/21/2009 1000			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		<0.44		0.44	8.6
4,4'-DDE		10		0.42	8.6
4,4'-DDT		<0.67		0.67	8.6
Aldrin		<0.43		0.43	8.6
alpha-BHC		<1.1		1.1	8.6
alpha-Chlordane		<1.4		1.4	8.6
beta-BHC		<1.5		1.5	8.6
Chlordane (technical)		<9.5		9.5	86
delta-BHC		<0.42		0.42	8.6
Dieldrin		<0.42		0.42	8.6
Endosulfan I		<0.42		0.42	8.6
Endosulfan II		<0.42		0.42	8.6
Endosulfan sulfate		<0.54		0.54	8.6
Endrin		<0.42		0.42	8.6
Endrin aldehyde		<0.71		0.71	8.6
Endrin ketone		<0.44		0.44	8.6
gamma-BHC (Lindane)		<0.42		0.42	8.6
gamma-Chlordane		<1.9		1.9	8.6
Heptachlor		<2.3		2.3	8.6
Heptachlor epoxide		<0.49		0.49	8.6
Methoxychlor		<1.2		1.2	8.6
Toxaphene		<26		26	170

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	80		55 - 130
Tetrachloro-m-xylene	95		69 - 125

Client: ARGO Systems LLC

Job Number: 560-16840-1

Client Sample ID: **LF-North Stockpile**

Lab Sample ID: 560-16840-4

Client Matrix: Soil

% Moisture: 3.5

Date Sampled: 08/14/2009 1645

Date Received: 08/15/2009 1451

8081B Organochlorine Pesticides by Gas Chromatography

Method:	8081B	Analysis Batch: 560-39184		Instrument ID:	SVGC#1
Preparation:	3550B	Prep Batch: 560-39074		Initial Weight/Volume:	29.97 g
Dilution:	2.0			Final Weight/Volume:	10 mL
Date Analyzed:	08/25/2009 1950			Injection Volume:	1 uL
Date Prepared:	08/21/2009 1000			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4,4'-DDD		<0.18		0.18	3.5
4,4'-DDE		2.0	J	0.17	3.5
4,4'-DDT		<0.28		0.28	3.5
Aldrin		<0.18		0.18	3.5
alpha-BHC		<0.45		0.45	3.5
alpha-Chlordane		<0.58		0.58	3.5
beta-BHC		<0.61		0.61	3.5
Chlordane (technical)		<3.9		3.9	35
delta-BHC		<0.17		0.17	3.5
Dieldrin		<0.17		0.17	3.5
Endosulfan I		<0.17		0.17	3.5
Endosulfan II		<0.17		0.17	3.5
Endosulfan sulfate		<0.22		0.22	3.5
Endrin		<0.17		0.17	3.5
Endrin aldehyde		<0.29		0.29	3.5
Endrin ketone		<0.18		0.18	3.5
gamma-BHC (Lindane)		<0.17		0.17	3.5
gamma-Chlordane		<0.79		0.79	3.5
Heptachlor		1.7	J	0.93	3.5
Heptachlor epoxide		<0.20		0.20	3.5
Methoxychlor		<0.48		0.48	3.5
Toxaphene		<11		11	68

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	72		55 - 130
Tetrachloro-m-xylene	95		69 - 125

Client: ARGO Systems LLC

Job Number: 560-16840-1

Client Sample ID: **LF-Central Stockpile**

Lab Sample ID: 560-16840-1

Client Matrix: Soil

% Moisture: 0.7

Date Sampled: 08/14/2009 1630

Date Received: 08/15/2009 1451

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 600-19668		Instrument ID:	ECD08
Preparation:	8151A	Prep Batch: 600-19514		Initial Weight/Volume:	30.03 g
Dilution:	20			Final Weight/Volume:	5.00 mL
Date Analyzed:	08/20/2009 1833			Injection Volume:	1.0 uL
Date Prepared:	08/18/2009 1338			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dalapon		<540	*	540	670
Dicamba		<15		15	130
Mecoprop		<1500		1500	1300
MCPA		<2200		2200	1300
Dichlorprop		<15		15	130
2,4-D		<11		11	130
Silvex (2,4,5-TP)		<14		14	130
2,4,5-T		<15		15	130
2,4-DB		<22		22	130
Dinoseb		<11		11	130

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-DCAA	108		22 - 130

Client: ARGO Systems LLC

Job Number: 560-16840-1

Client Sample ID: **LF-Central Stockpile Dup**

Lab Sample ID: 560-16840-2

Client Matrix: Soil

% Moisture: 0.6

Date Sampled: 08/14/2009 1630

Date Received: 08/15/2009 1451

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 600-19668		Instrument ID:	ECD08
Preparation:	8151A	Prep Batch: 600-19514		Initial Weight/Volume:	30.01 g
Dilution:	20			Final Weight/Volume:	5.00 mL
Date Analyzed:	08/20/2009 1901			Injection Volume:	1.0 uL
Date Prepared:	08/18/2009 1338			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dalapon		<540	*	540	670
Dicamba		<15		15	130
Mecoprop		<1500		1500	1300
MCPA		<2200		2200	1300
Dichlorprop		<15		15	130
2,4-D		<11		11	130
Silvex (2,4,5-TP)		<14		14	130
2,4,5-T		<15		15	130
2,4-DB		<22		22	130
Dinoseb		<11		11	130

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-DCAA	105		22 - 130

Client: ARGO Systems LLC

Job Number: 560-16840-1

Client Sample ID: **LF-West Stockpile**

Lab Sample ID: 560-16840-3

Client Matrix: Soil

% Moisture: 0.6

Date Sampled: 08/14/2009 1640

Date Received: 08/15/2009 1451

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 600-19668		Instrument ID:	ECD08
Preparation:	8151A	Prep Batch: 600-19514		Initial Weight/Volume:	30.03 g
Dilution:	20			Final Weight/Volume:	5.00 mL
Date Analyzed:	08/20/2009 1930			Injection Volume:	1.0 uL
Date Prepared:	08/18/2009 1338			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dalapon		<540	*	540	670
Dicamba		<15		15	130
Mecoprop		<1500		1500	1300
MCPA		<2200		2200	1300
Dichlorprop		<15		15	130
2,4-D		<11		11	130
Silvex (2,4,5-TP)		<14		14	130
2,4,5-T		<15		15	130
2,4-DB		<22		22	130
Dinoseb		<11		11	130

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-DCAA	101		22 - 130

Client: ARGO Systems LLC

Job Number: 560-16840-1

Client Sample ID: **LF-North Stockpile**

Lab Sample ID: 560-16840-4

Client Matrix: Soil

% Moisture: 3.5

Date Sampled: 08/14/2009 1645

Date Received: 08/15/2009 1451

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 600-19668		Instrument ID:	ECD08
Preparation:	8151A	Prep Batch: 600-19514		Initial Weight/Volume:	30.01 g
Dilution:	1.0			Final Weight/Volume:	5.00 mL
Date Analyzed:	08/20/2009 2344			Injection Volume:	1.0 uL
Date Prepared:	08/18/2009 1338			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dalapon		<28	*	28	35
Dicamba		<0.79		0.79	6.9
Mecoprop		<79		79	69
MCPA		<110		110	69
Dichlorprop		<0.78		0.78	6.9
2,4-D		<0.59		0.59	6.9
Silvex (2,4,5-TP)		<0.74		0.74	6.9
2,4,5-T		<0.76		0.76	6.9
2,4-DB		<1.1		1.1	6.9
Dinoseb		<0.55		0.55	6.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-DCAA	86		22 - 130

Client: ARGO Systems LLC

Job Number: 560-16840-1

Client Sample ID: **LF-Central Stockpile**

Lab Sample ID: 560-16840-1

Client Matrix: Soil

% Moisture: 0.7

Date Sampled: 08/14/2009 1630

Date Received: 08/15/2009 1451

TX 1005 Texas - Total Petroleum Hydrocarbon (GC)

Method:	TX 1005	Analysis Batch: 560-39205		Instrument ID:	SVGC#4
Preparation:	TX_1005_S_Prep	Prep Batch: 560-39076		Lab File ID:	08250925.D
Dilution:	1.0			Initial Weight/Volume:	9.98 g
Date Analyzed:	08/25/2009 1334			Final Weight/Volume:	10 mL
Date Prepared:	08/21/2009 1032			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Over C12-C28		200		6.0	50
Over C28-C35		230		6.0	50
C6-C12		6.6	J	6.0	50
C6-C35		440		6.0	50

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl (Surr)	85		70 - 130
1-Chlorooctane (Surr)	90		70 - 130

Client: ARGO Systems LLC

Job Number: 560-16840-1

Client Sample ID: **LF-Central Stockpile Dup**

Lab Sample ID: 560-16840-2

Client Matrix: Soil

% Moisture: 0.6

Date Sampled: 08/14/2009 1630

Date Received: 08/15/2009 1451

TX 1005 Texas - Total Petroleum Hydrocarbon (GC)

Method:	TX 1005	Analysis Batch: 560-39205		Instrument ID:	SVGC#4
Preparation:	TX_1005_S_Prep	Prep Batch: 560-39076		Lab File ID:	08250926.D
Dilution:	1.0			Initial Weight/Volume:	10.00 g
Date Analyzed:	08/25/2009 1352			Final Weight/Volume:	10 mL
Date Prepared:	08/21/2009 1032			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Over C12-C28		180		6.0	50
Over C28-C35		220		6.0	50
C6-C12		6.4	J	6.0	50
C6-C35		410		6.0	50

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl (Surr)	84		70 - 130
1-Chlorooctane (Surr)	87		70 - 130

Client: ARGO Systems LLC

Job Number: 560-16840-1

Client Sample ID: **LF-West Stockpile**

Lab Sample ID: 560-16840-3

Client Matrix: Soil

% Moisture: 0.6

Date Sampled: 08/14/2009 1640

Date Received: 08/15/2009 1451

TX 1005 Texas - Total Petroleum Hydrocarbon (GC)

Method:	TX 1005	Analysis Batch: 560-39205		Instrument ID:	SVGC#4
Preparation:	TX_1005_S_Prep	Prep Batch: 560-39076		Lab File ID:	08250927.D
Dilution:	1.0			Initial Weight/Volume:	9.99 g
Date Analyzed:	08/25/2009 1407			Final Weight/Volume:	10 mL
Date Prepared:	08/21/2009 1032			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Over C12-C28		110		6.0	50
Over C28-C35		180		6.0	50
C6-C12		6.6	J	6.0	50
C6-C35		300		6.0	50

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl (Surr)	84		70 - 130
1-Chlorooctane (Surr)	87		70 - 130

Client: ARGO Systems LLC

Job Number: 560-16840-1

Client Sample ID: **LF-North Stockpile**

Lab Sample ID: 560-16840-4

Client Matrix: Soil

% Moisture: 3.5

Date Sampled: 08/14/2009 1645

Date Received: 08/15/2009 1451

TX 1005 Texas - Total Petroleum Hydrocarbon (GC)

Method:	TX 1005	Analysis Batch: 560-39205		Instrument ID:	SVGC#4
Preparation:	TX_1005_S_Prep	Prep Batch: 560-39076		Lab File ID:	08210951.D
Dilution:	1.0			Initial Weight/Volume:	10.00 g
Date Analyzed:	08/22/2009 0048			Final Weight/Volume:	10 mL
Date Prepared:	08/21/2009 1032			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Over C12-C28		16	J	6.2	52
Over C28-C35		21	J	6.2	52
C6-C12		<6.2		6.2	52
C6-C35		37	J	6.2	52

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl (Surr)	97		70 - 130
1-Chlorooctane (Surr)	97		70 - 130

Client: ARGO Systems LLC

Job Number: 560-16840-1

Client Sample ID: **LF-Central Stockpile**

Lab Sample ID: 560-16840-1

Client Matrix: Soil

% Moisture: 0.7

Date Sampled: 08/14/2009 1630

Date Received: 08/15/2009 1451

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 560-38922		Instrument ID:	Micpms
Preparation:	3050B	Prep Batch: 560-38885		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.10 g
Date Analyzed:	08/17/2009 1802			Final Weight/Volume:	50 mL
Date Prepared:	08/17/2009 1000				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		<0.063		0.063	0.23
Arsenic		1.7		0.046	0.23
Barium		120		0.10	0.23
Cadmium		0.13	J	0.066	0.23
Chromium		3.5		0.10	0.23
Lead		12		0.19	0.23
Selenium		0.10	J	0.040	0.23

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 560-39105		Instrument ID:	Mhg1
Preparation:	7471A	Prep Batch: 560-39100		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.820 g
Date Analyzed:	08/21/2009 1326			Final Weight/Volume:	50 mL
Date Prepared:	08/21/2009 0800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		<0.031		0.031	0.15

Client: ARGO Systems LLC | Job Number: 560-16840-1

Client Sample ID: **LF-Central Stockpile Dup**

Lab Sample ID: 560-16840-2 | Date Sampled: 08/14/2009 1630
Client Matrix: Soil | % Moisture: 0.6 | Date Received: 08/15/2009 1451

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 560-38922		Instrument ID:	Micpms
Preparation:	3050B	Prep Batch: 560-38885		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.26 g
Date Analyzed:	08/17/2009 1808			Final Weight/Volume:	50 mL
Date Prepared:	08/17/2009 1000				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		<0.055		0.055	0.20
Arsenic		1.2		0.040	0.20
Cadmium		0.099	J	0.058	0.20
Chromium		2.3		0.089	0.20
Lead		12		0.16	0.20
Selenium		0.073	J	0.035	0.20

Method:	6020	Analysis Batch: 560-38968		Instrument ID:	Micpms
Preparation:	3050B	Prep Batch: 560-38885		Lab File ID:	N/A
Dilution:	5.0			Initial Weight/Volume:	1.26 g
Date Analyzed:	08/18/2009 1504			Final Weight/Volume:	50 mL
Date Prepared:	08/17/2009 1000				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		120		0.43	1.0

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 560-39105		Instrument ID:	Mhg1
Preparation:	7471A	Prep Batch: 560-39100		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.765 g
Date Analyzed:	08/21/2009 1328			Final Weight/Volume:	50 mL
Date Prepared:	08/21/2009 0800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.057	J	0.033	0.16

Client: ARGO Systems LLC

Job Number: 560-16840-1

Client Sample ID: **LF-West Stockpile**

Lab Sample ID: 560-16840-3

Client Matrix: Soil

% Moisture: 0.6

Date Sampled: 08/14/2009 1640

Date Received: 08/15/2009 1451

6020 Metals (ICP/MS)

Method: 6020
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 08/17/2009 1813
Date Prepared: 08/17/2009 1000

Analysis Batch: 560-38922
Prep Batch: 560-38885

Instrument ID: Micpms
Lab File ID: N/A
Initial Weight/Volume: 1.20 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		<0.058		0.058	0.21
Arsenic		2.0		0.042	0.21
Cadmium		0.094	J	0.060	0.21
Chromium		11		0.094	0.21
Lead		40		0.17	0.21
Selenium		0.090	J	0.036	0.21

Method: 6020
Preparation: 3050B
Dilution: 5.0
Date Analyzed: 08/18/2009 1525
Date Prepared: 08/17/2009 1000

Analysis Batch: 560-38968
Prep Batch: 560-38885

Instrument ID: Micpms
Lab File ID: N/A
Initial Weight/Volume: 1.20 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Barium		140		0.46	1.0

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 08/21/2009 1331
Date Prepared: 08/21/2009 0800

Analysis Batch: 560-39105
Prep Batch: 560-39100

Instrument ID: Mhg1
Lab File ID: N/A
Initial Weight/Volume: 0.837 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		<0.030		0.030	0.14

Client: ARGO Systems LLC

Job Number: 560-16840-1

Client Sample ID: **LF-North Stockpile**

Lab Sample ID: 560-16840-4

Client Matrix: Soil

% Moisture: 3.5

Date Sampled: 08/14/2009 1645

Date Received: 08/15/2009 1451

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 560-38922		Instrument ID:	Micpms
Preparation:	3050B	Prep Batch: 560-38885		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.29 g
Date Analyzed:	08/17/2009 1818			Final Weight/Volume:	50 mL
Date Prepared:	08/17/2009 1000				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		<0.055		0.055	0.20
Arsenic		2.1		0.040	0.20
Barium		74		0.088	0.20
Cadmium		0.12	J	0.058	0.20
Chromium		4.2		0.090	0.20
Lead		6.5		0.16	0.20
Selenium		0.15	J	0.035	0.20

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 560-39105		Instrument ID:	Mhg1
Preparation:	7471A	Prep Batch: 560-39100		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.911 g
Date Analyzed:	08/21/2009 1333			Final Weight/Volume:	50 mL
Date Prepared:	08/21/2009 0800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		<0.029		0.029	0.14

General Chemistry

Client Sample ID: **LF-Central Stockpile**

Lab Sample ID: 560-16840-1

Client Matrix: Soil

Date Sampled: 08/14/2009 1630

Date Received: 08/15/2009 1451

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	0.66		%	0.010	0.010	1.0	Moisture
Analysis Batch: 560-38945	Date Analyzed: 08/18/2009 1200						DryWt Corrected: N
Percent Solids	99		%	0.010	0.010	1.0	Moisture
Analysis Batch: 560-38945	Date Analyzed: 08/18/2009 1200						DryWt Corrected: N

General Chemistry

Client Sample ID: **LF-Central Stockpile Dup**

Lab Sample ID: 560-16840-2

Client Matrix: Soil

Date Sampled: 08/14/2009 1630

Date Received: 08/15/2009 1451

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	0.56		%	0.010	0.010	1.0	Moisture
Analysis Batch: 560-38945	Date Analyzed: 08/18/2009 1200						DryWt Corrected: N
Percent Solids	99		%	0.010	0.010	1.0	Moisture
Analysis Batch: 560-38945	Date Analyzed: 08/18/2009 1200						DryWt Corrected: N

General Chemistry

Client Sample ID: **LF-West Stockpile**

Lab Sample ID: 560-16840-3

Client Matrix: Soil

Date Sampled: 08/14/2009 1640

Date Received: 08/15/2009 1451

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	0.63		%	0.010	0.010	1.0	Moisture
Analysis Batch: 560-38945	Date Analyzed: 08/18/2009 1200						DryWt Corrected: N
Percent Solids	99		%	0.010	0.010	1.0	Moisture
Analysis Batch: 560-38945	Date Analyzed: 08/18/2009 1200						DryWt Corrected: N

General Chemistry

Client Sample ID: **LF-North Stockpile**

Lab Sample ID: 560-16840-4

Client Matrix: Soil

Date Sampled: 08/14/2009 1645

Date Received: 08/15/2009 1451

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	3.5		%	0.010	0.010	1.0	Moisture
Analysis Batch: 560-38945	Date Analyzed: 08/18/2009 1200						DryWt Corrected: N
Percent Solids	96		%	0.010	0.010	1.0	Moisture
Analysis Batch: 560-38945	Date Analyzed: 08/18/2009 1200						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: ARGO Systems LLC

Job Number: 560-16840-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
GC/MS Semi VOA		
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
Metals		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: ARGO Systems LLC

Job Number: 560-16840-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:560-38897					
LCS 560-38897/3	Lab Control Sample	T	Water	8260B	
MB 560-38897/8	Method Blank	T	Water	8260B	
560-16840-5TB	Trip Blank	T	Water	8260B	
Analysis Batch:560-38924					
LCS 560-38935/1-A	Lab Control Sample	T	Solid	8260B	560-38935
MB 560-38935/2-A	Method Blank	T	Solid	8260B	560-38935
560-16840-1	LF-Central Stockpile	T	Solid	8260B	560-38935
560-16840-1MS	Matrix Spike	T	Solid	8260B	560-38935
560-16840-1MSD	Matrix Spike Duplicate	T	Solid	8260B	560-38935
560-16840-4	LF-North Stockpile	T	Solid	8260B	560-38935
Prep Batch: 560-38935					
LCS 560-38935/1-A	Lab Control Sample	T	Solid	5035	
MB 560-38935/2-A	Method Blank	T	Solid	5035	
560-16840-1	LF-Central Stockpile	T	Solid	5035	
560-16840-1MS	Matrix Spike	T	Solid	5035	
560-16840-1MSD	Matrix Spike Duplicate	T	Solid	5035	
560-16840-4	LF-North Stockpile	T	Solid	5035	
Analysis Batch:560-38967					
LCS 560-38974/1-A	Lab Control Sample	T	Solid	8260B	560-38974
MB 560-38974/2-A	Method Blank	T	Solid	8260B	560-38974
560-16840-2	LF-Central Stockpile Dup	T	Solid	8260B	560-38974
560-16840-3	LF-West Stockpile	T	Solid	8260B	560-38974
Prep Batch: 560-38974					
LCS 560-38974/1-A	Lab Control Sample	T	Solid	5035	
MB 560-38974/2-A	Method Blank	T	Solid	5035	
560-16840-2	LF-Central Stockpile Dup	T	Solid	5035	
560-16840-3	LF-West Stockpile	T	Solid	5035	

Report Basis

T = Total

Client: ARGO Systems LLC

Job Number: 560-16840-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 560-38973					
LCS 560-38973/2-A	Lab Control Sample	T	Solid	3550B	
MB 560-38973/1-A	Method Blank	T	Solid	3550B	
560-16840-1	LF-Central Stockpile	T	Solid	3550B	
560-16840-2	LF-Central Stockpile Dup	T	Solid	3550B	
560-16840-3	LF-West Stockpile	T	Solid	3550B	
560-16840-4	LF-North Stockpile	T	Solid	3550B	
Analysis Batch:560-39035					
LCS 560-38973/2-A	Lab Control Sample	T	Solid	8270C	560-38973
MB 560-38973/1-A	Method Blank	T	Solid	8270C	560-38973
Analysis Batch:560-39250					
560-16840-1	LF-Central Stockpile	T	Solid	8270C	560-38973
560-16840-2	LF-Central Stockpile Dup	T	Solid	8270C	560-38973
560-16840-3	LF-West Stockpile	T	Solid	8270C	560-38973
560-16840-4	LF-North Stockpile	T	Solid	8270C	560-38973

Report Basis

T = Total

Client: ARGO Systems LLC

Job Number: 560-16840-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 600-19514					
LCS 600-19514/2-A	Lab Control Sample	T	Solid	8151A	
MB 600-19514/1-A	Method Blank	T	Solid	8151A	
560-16840-1	LF-Central Stockpile	T	Solid	8151A	
560-16840-2	LF-Central Stockpile Dup	T	Solid	8151A	
560-16840-3	LF-West Stockpile	T	Solid	8151A	
560-16840-4	LF-North Stockpile	T	Solid	8151A	
560-16840-4MS	Matrix Spike	T	Solid	8151A	
560-16840-4MSD	Matrix Spike Duplicate	T	Solid	8151A	
Analysis Batch:600-19668					
LCS 600-19514/2-A	Lab Control Sample	T	Solid	8151A	600-19514
MB 600-19514/1-A	Method Blank	T	Solid	8151A	600-19514
560-16840-1	LF-Central Stockpile	T	Solid	8151A	600-19514
560-16840-2	LF-Central Stockpile Dup	T	Solid	8151A	600-19514
560-16840-3	LF-West Stockpile	T	Solid	8151A	600-19514
560-16840-4	LF-North Stockpile	T	Solid	8151A	600-19514
560-16840-4MS	Matrix Spike	T	Solid	8151A	600-19514
560-16840-4MSD	Matrix Spike Duplicate	T	Solid	8151A	600-19514
Prep Batch: 560-39074					
LCS 560-39074/2-A	Lab Control Sample	T	Solid	3550B	
LCS 560-39074/3-A	Lab Control Sample	T	Solid	3550B	
LCS 560-39074/4-A	Lab Control Sample	T	Solid	3550B	
MB 560-39074/1-A	Method Blank	T	Solid	3550B	
560-16840-1	LF-Central Stockpile	T	Solid	3550B	
560-16840-2	LF-Central Stockpile Dup	T	Solid	3550B	
560-16840-3	LF-West Stockpile	T	Solid	3550B	
560-16840-4	LF-North Stockpile	T	Solid	3550B	
Prep Batch: 560-39076					
LCS 560-39076/2-A	Lab Control Sample	T	Solid	TX_1005_S_Prep	
LCSD 560-39076/3-A	Lab Control Sample Duplicate	T	Solid	TX_1005_S_Prep	
MB 560-39076/1-A	Method Blank	T	Solid	TX_1005_S_Prep	
560-16840-1	LF-Central Stockpile	T	Solid	TX_1005_S_Prep	
560-16840-2	LF-Central Stockpile Dup	T	Solid	TX_1005_S_Prep	
560-16840-3	LF-West Stockpile	T	Solid	TX_1005_S_Prep	
560-16840-4	LF-North Stockpile	T	Solid	TX_1005_S_Prep	

Client: ARGO Systems LLC

Job Number: 560-16840-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:560-39184					
LCS 560-39074/2-A	Lab Control Sample	T	Solid	8081B	560-39074
LCS 560-39074/3-A	Lab Control Sample	T	Solid	8081B	560-39074
LCS 560-39074/4-A	Lab Control Sample	T	Solid	8081B	560-39074
MB 560-39074/1-A	Method Blank	T	Solid	8081B	560-39074
560-16840-1	LF-Central Stockpile	T	Solid	8081B	560-39074
560-16840-2	LF-Central Stockpile Dup	T	Solid	8081B	560-39074
560-16840-3	LF-West Stockpile	T	Solid	8081B	560-39074
560-16840-4	LF-North Stockpile	T	Solid	8081B	560-39074
Analysis Batch:560-39205					
LCS 560-39076/2-A	Lab Control Sample	T	Solid	TX 1005	560-39076
LCSD 560-39076/3-A	Lab Control Sample Duplicate	T	Solid	TX 1005	560-39076
MB 560-39076/1-A	Method Blank	T	Solid	TX 1005	560-39076
560-16840-1	LF-Central Stockpile	T	Solid	TX 1005	560-39076
560-16840-2	LF-Central Stockpile Dup	T	Solid	TX 1005	560-39076
560-16840-3	LF-West Stockpile	T	Solid	TX 1005	560-39076
560-16840-4	LF-North Stockpile	T	Solid	TX 1005	560-39076

Report Basis

T = Total

Client: ARGO Systems LLC

Job Number: 560-16840-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 560-38885					
LCS 560-38885/2-A	Lab Control Sample	T	Solid	3050B	
MB 560-38885/1-A	Method Blank	T	Solid	3050B	
560-16840-1	LF-Central Stockpile	T	Solid	3050B	
560-16840-2	LF-Central Stockpile Dup	T	Solid	3050B	
560-16840-3	LF-West Stockpile	T	Solid	3050B	
560-16840-4	LF-North Stockpile	T	Solid	3050B	
Analysis Batch:560-38922					
LCS 560-38885/2-A	Lab Control Sample	T	Solid	6020	560-38885
MB 560-38885/1-A	Method Blank	T	Solid	6020	560-38885
560-16840-1	LF-Central Stockpile	T	Solid	6020	560-38885
560-16840-2	LF-Central Stockpile Dup	T	Solid	6020	560-38885
560-16840-3	LF-West Stockpile	T	Solid	6020	560-38885
560-16840-4	LF-North Stockpile	T	Solid	6020	560-38885
Analysis Batch:560-38968					
LCS 560-38885/2-A	Lab Control Sample	T	Solid	6020	560-38885
MB 560-38885/1-A	Method Blank	T	Solid	6020	560-38885
560-16840-2	LF-Central Stockpile Dup	T	Solid	6020	560-38885
560-16840-3	LF-West Stockpile	T	Solid	6020	560-38885
Prep Batch: 560-39100					
LCS 560-39100/5-A	Lab Control Sample	T	Solid	7471A	
MB 560-39100/4-A	Method Blank	T	Solid	7471A	
560-16840-1	LF-Central Stockpile	T	Solid	7471A	
560-16840-2	LF-Central Stockpile Dup	T	Solid	7471A	
560-16840-3	LF-West Stockpile	T	Solid	7471A	
560-16840-4	LF-North Stockpile	T	Solid	7471A	
Analysis Batch:560-39105					
LCS 560-39100/5-A	Lab Control Sample	T	Solid	7471A	560-39100
MB 560-39100/4-A	Method Blank	T	Solid	7471A	560-39100
560-16840-1	LF-Central Stockpile	T	Solid	7471A	560-39100
560-16840-2	LF-Central Stockpile Dup	T	Solid	7471A	560-39100
560-16840-3	LF-West Stockpile	T	Solid	7471A	560-39100
560-16840-4	LF-North Stockpile	T	Solid	7471A	560-39100

Report Basis

T = Total

Client: ARGO Systems LLC

Job Number: 560-16840-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:560-38945					
560-16840-1	LF-Central Stockpile	T	Solid	Moisture	
560-16840-2	LF-Central Stockpile Dup	T	Solid	Moisture	
560-16840-3	LF-West Stockpile	T	Solid	Moisture	
560-16840-4	LF-North Stockpile	T	Solid	Moisture	

Report Basis

T = Total

Client: ARGO Systems LLC

Job Number: 560-16840-1

Method Blank - Batch: 560-38897

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 560-38897/8	Analysis Batch:	560-38897	Instrument ID:	VGCMS#2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	08170908.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	08/17/2009 1738			Final Weight/Volume:	5 mL
Date Prepared:	08/17/2009 1738				

Analyte	Result	Qual	MDL	RL
Dichlorodifluoromethane	<0.43		0.43	1.0
Chloromethane	<0.39		0.39	1.0
Vinyl chloride	<0.20		0.20	1.0
Bromomethane	<0.39		0.39	1.0
Chloroethane	<0.40		0.40	1.0
Trichlorofluoromethane	<0.24		0.24	1.0
Ethyl ether	<0.20		0.20	1.0
1,1-Dichloroethene	<0.20		0.20	1.0
Carbon disulfide	<0.20		0.20	1.0
Iodomethane	<0.22		0.22	1.0
Methylene Chloride	<2.0		2.0	10
Acetone	<5.0		5.0	10
trans-1,2-Dichloroethene	<0.20		0.20	1.0
Methyl tert-butyl ether	<0.20		0.20	1.0
Acetonitrile	<2.2		2.2	10
1,1-Dichloroethane	<0.20		0.20	1.0
Vinyl acetate	<0.20		0.20	1.0
cis-1,2-Dichloroethene	<0.20		0.20	1.0
2,2-Dichloropropane	<0.34		0.34	1.0
Chloroform	<0.20		0.20	1.0
Ethyl acetate	<0.20		0.20	1.0
Carbon tetrachloride	<0.25		0.25	1.0
1,1,1-Trichloroethane	<0.20		0.20	1.0
1,1-Dichloropropene	<0.20		0.20	1.0
Benzene	<0.20		0.20	1.0
1,2-Dichloroethane	<0.20		0.20	1.0
Trichloroethene	<0.32		0.32	1.0
Dibromomethane	<0.20		0.20	1.0
1,2-Dichloropropane	<0.20		0.20	1.0
Dichlorobromomethane	<0.20		0.20	1.0
Methyl methacrylate	<0.20		0.20	5.0
1,4-Dioxane	<7.5		7.5	100
cis-1,3-Dichloropropene	<0.20		0.20	1.0
Toluene	<0.20		0.20	1.0
2-Nitropropane	<0.22		0.22	5.0
4-Methyl-2-pentanone (MIBK)	<0.20		0.20	1.0
trans-1,3-Dichloropropene	<0.20		0.20	1.0
Tetrachloroethene	<0.20		0.20	1.0
Ethyl methacrylate	<0.20		0.20	5.0
1,1,2-Trichloroethane	<0.20		0.20	1.0
Chlorodibromomethane	<0.22		0.22	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Method Blank - Batch: 560-38897

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 560-38897/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2009 1738
Date Prepared: 08/17/2009 1738

Analysis Batch: 560-38897
Prep Batch: N/A
Units: ug/L

Instrument ID: VGCMS#2
Lab File ID: 08170908.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,3-Dichloropropane	<0.20		0.20	1.0
Ethylene Dibromide	<0.20		0.20	1.0
2-Hexanone	<0.20		0.20	1.0
Chlorobenzene	<0.20		0.20	1.0
Ethylbenzene	<0.20		0.20	1.0
Bromoform	<0.20		0.20	5.0
Styrene	<0.20		0.20	5.0
1,1,2,2-Tetrachloroethane	<0.20		0.20	1.0
1,2,3-Trichloropropane	<0.20		0.20	1.0
1,3,5-Trimethylbenzene	<0.20		0.20	1.0
1,2,4-Trimethylbenzene	<0.20		0.20	1.0
1,2,3-Trichlorobenzene	<0.22		0.22	5.0
2-Butanone (MEK)	<0.47		0.47	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.28		0.28	1.0
Xylenes, Total	<0.23		0.23	2.0

Surrogate	% Rec	Acceptance Limits
Dibromofluoromethane (Surr)	88	74 - 123
1,2-Dichloroethane-d4 (Surr)	96	76 - 125
Toluene-d8 (Surr)	90	80 - 120
4-Bromofluorobenzene (Surr)	98	77 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Lab Control Sample - Batch: 560-38897

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 560-38897/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/17/2009 1535
Date Prepared: 08/17/2009 1535

Analysis Batch: 560-38897
Prep Batch: N/A
Units: ug/L

Instrument ID: VGCMS#2
Lab File ID: 08170903.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	50.0	27.5	55	33 - 161	
Chloromethane	50.0	37.1	74	53 - 158	
Vinyl chloride	50.0	41.0	82	63 - 147	
Bromomethane	50.0	37.4	75	54 - 140	
Chloroethane	50.0	38.4	77	62 - 137	
Trichlorofluoromethane	50.0	37.4	75	70 - 149	
Ethyl ether	50.0	40.0	80	74 - 131	
1,1-Dichloroethene	50.0	40.3	81	68 - 125	
Carbon disulfide	50.0	41.9	84	66 - 180	
Iodomethane	50.0	46.8	94	80 - 136	
Methylene Chloride	50.0	38.9	78	75 - 126	
Acetone	50.0	46.3	93	37 - 183	
trans-1,2-Dichloroethene	50.0	38.8	78	79 - 129	*
Methyl tert-butyl ether	50.0	42.2	84	74 - 128	
Acetonitrile	500	488	98	46 - 157	
1,1-Dichloroethane	50.0	37.9	76	75 - 124	
Vinyl acetate	50.0	51.1	102	70 - 190	
cis-1,2-Dichloroethene	50.0	39.2	78	76 - 126	
2,2-Dichloropropane	50.0	42.8	86	66 - 132	
Chloroform	50.0	40.1	80	75 - 123	
Ethyl acetate	50.0	47.3	95	62 - 142	
Carbon tetrachloride	50.0	40.1	80	73 - 122	
1,1,1-Trichloroethane	50.0	40.2	80	75 - 124	
1,1-Dichloropropene	50.0	37.6	75	71 - 120	
Benzene	50.0	42.5	85	80 - 120	
1,2-Dichloroethane	50.0	43.0	86	74 - 122	
Trichloroethene	50.0	48.6	97	79 - 120	
Dibromomethane	50.0	44.7	89	79 - 120	
1,2-Dichloropropane	50.0	40.8	82	80 - 120	
Dichlorobromomethane	50.0	45.2	90	80 - 120	
Methyl methacrylate	50.0	47.9	96	65 - 125	
1,4-Dioxane	1000	1200	120	35 - 188	
cis-1,3-Dichloropropene	50.0	38.1	76	69 - 120	
Toluene	50.0	43.0	86	78 - 120	
2-Nitropropane	50.0	51.8	104	54 - 135	
4-Methyl-2-pentanone (MIBK)	50.0	47.7	95	66 - 130	
trans-1,3-Dichloropropene	50.0	50.5	101	80 - 130	
Tetrachloroethene	50.0	46.7	93	58 - 133	
Ethyl methacrylate	50.0	48.0	96	65 - 129	
1,1,2-Trichloroethane	50.0	51.5	103	80 - 121	
Chlorodibromomethane	50.0	49.6	99	77 - 120	
1,3-Dichloropropane	50.0	49.6	99	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Lab Control Sample - Batch: 560-38897

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 560-38897/3	Analysis Batch:	560-38897	Instrument ID:	VGCMS#2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	08170903.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	08/17/2009 1535			Final Weight/Volume:	5 mL
Date Prepared:	08/17/2009 1535				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ethylene Dibromide	50.0	54.9	110	80 - 120	
2-Hexanone	50.0	57.0	114	66 - 133	
Chlorobenzene	50.0	50.3	101	78 - 120	
Ethylbenzene	50.0	49.0	98	78 - 120	
Bromoform	50.0	54.6	109	62 - 120	
Styrene	50.0	54.2	108	68 - 121	
1,1,2,2-Tetrachloroethane	50.0	45.3	91	70 - 126	
1,2,3-Trichloropropane	50.0	50.8	102	67 - 141	
1,3,5-Trimethylbenzene	50.0	47.7	95	79 - 124	
1,2,4-Trimethylbenzene	50.0	47.2	94	78 - 121	
1,2,3-Trichlorobenzene	50.0	53.2	106	68 - 156	
2-Butanone (MEK)	50.0	44.3	89	53 - 147	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	42.7	85	63 - 127	
Xylenes, Total	150	150	100	80 - 121	

Surrogate	% Rec	Acceptance Limits
Dibromofluoromethane (Surr)	88	74 - 123
1,2-Dichloroethane-d4 (Surr)	91	76 - 125
Toluene-d8 (Surr)	94	80 - 120
4-Bromofluorobenzene (Surr)	102	77 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Method Blank - Batch: 560-38935

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 560-38935/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/18/2009 1127
Date Prepared: 08/18/2009 0800

Analysis Batch: 560-38924
Prep Batch: 560-38935
Units: ug/Kg

Instrument ID: VGCMS#3
Lab File ID: 08180908.D
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Dichlorodifluoromethane	<0.73		0.73	5.0
Chloromethane	<1.2		1.2	5.0
Vinyl chloride	<0.60		0.60	5.0
Bromomethane	<1.1		1.1	5.0
Chloroethane	<0.40		0.40	5.0
Trichlorofluoromethane	<1.0		1.0	5.0
Ethyl ether	<0.40		0.40	5.0
1,1-Dichloroethene	<0.40		0.40	5.0
Carbon disulfide	<0.73		0.73	5.0
Iodomethane	<0.80		0.80	5.0
Methylene Chloride	<5.0		5.0	25
Acetone	<5.0		5.0	25
trans-1,2-Dichloroethene	<0.40		0.40	5.0
Methyl tert-butyl ether	<0.61		0.61	5.0
Acetonitrile	<37		37	50
1,1-Dichloroethane	<0.59		0.59	5.0
Vinyl acetate	<1.1		1.1	5.0
cis-1,2-Dichloroethene	<0.57		0.57	5.0
2,2-Dichloropropane	<0.84		0.84	5.0
Chloroform	<0.87		0.87	5.0
Ethyl acetate	<1.2		1.2	5.0
Carbon tetrachloride	<0.51		0.51	5.0
1,1,1-Trichloroethane	<0.70		0.70	5.0
1,1-Dichloropropene	<0.52		0.52	5.0
Benzene	<0.40		0.40	5.0
1,2-Dichloroethane	<0.52		0.52	5.0
Trichloroethene	<0.40		0.40	5.0
Dibromomethane	<0.71		0.71	5.0
1,2-Dichloropropane	<0.40		0.40	5.0
Dichlorobromomethane	<0.40		0.40	5.0
Methyl methacrylate	<1.1		1.1	5.0
1,4-Dioxane	<19		19	100
cis-1,3-Dichloropropene	<0.40		0.40	5.0
Toluene	<0.56		0.56	5.0
2-Nitropropane	<0.52		0.52	5.0
4-Methyl-2-pentanone (MIBK)	<0.93		0.93	5.0
trans-1,3-Dichloropropene	<0.52		0.52	5.0
Tetrachloroethene	<0.74		0.74	5.0
Ethyl methacrylate	<0.51		0.51	5.0
1,1,2-Trichloroethane	<0.50		0.50	5.0
Chlorodibromomethane	<0.64		0.64	5.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Method Blank - Batch: 560-38935

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 560-38935/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/18/2009 1127
Date Prepared: 08/18/2009 0800

Analysis Batch: 560-38924
Prep Batch: 560-38935
Units: ug/Kg

Instrument ID: VGCMS#3
Lab File ID: 08180908.D
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,3-Dichloropropane	<0.40		0.40	5.0
Ethylene Dibromide	<0.40		0.40	5.0
2-Hexanone	<1.2		1.2	5.0
Chlorobenzene	<0.40		0.40	5.0
Ethylbenzene	<0.40		0.40	5.0
Bromoform	<0.51		0.51	5.0
Styrene	<0.40		0.40	5.0
1,1,2,2-Tetrachloroethane	<0.40		0.40	5.0
1,2,3-Trichloropropane	<0.76		0.76	5.0
1,3,5-Trimethylbenzene	<0.40		0.40	5.0
1,2,4-Trimethylbenzene	<0.40		0.40	5.0
1,2,3-Trichlorobenzene	<0.44		0.44	5.0
2-Butanone (MEK)	<1.0		1.0	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.67		0.67	5.0
Xylenes, Total	<0.40		0.40	15

Surrogate	% Rec	Acceptance Limits
Dibromofluoromethane (Surr)	101	51 - 138
1,2-Dichloroethane-d4 (Surr)	101	61 - 134
Toluene-d8 (Surr)	93	56 - 125
4-Bromofluorobenzene (Surr)	100	52 - 126

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Lab Control Sample - Batch: 560-38935

Method: 8260B
Preparation: 5035

Lab Sample ID: LCS 560-38935/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/18/2009 0919
Date Prepared: 08/18/2009 0800

Analysis Batch: 560-38924
Prep Batch: 560-38935
Units: ug/Kg

Instrument ID: VGCMS#3
Lab File ID: 08180903.D
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	50.0	42.5	85	43 - 159	
Chloromethane	50.0	38.2	76	62 - 151	
Vinyl chloride	50.0	42.0	84	71 - 143	
Bromomethane	50.0	42.2	84	63 - 132	
Chloroethane	50.0	37.7	75	70 - 132	
Trichlorofluoromethane	50.0	46.8	94	80 - 143	
Ethyl ether	50.0	40.8	82	74 - 128	
1,1-Dichloroethene	50.0	40.1	80	75 - 122	
Carbon disulfide	50.0	47.5	95	70 - 169	
Iodomethane	50.0	50.9	102	79 - 135	
Methylene Chloride	50.0	43.6	87	74 - 125	
Acetone	50.0	46.7	93	44 - 172	
trans-1,2-Dichloroethene	50.0	41.8	84	75 - 126	
Methyl tert-butyl ether	50.0	42.8	86	70 - 126	
Acetonitrile	500	313	63	50 - 156	
1,1-Dichloroethane	50.0	40.8	82	75 - 123	
Vinyl acetate	50.0	48.5	97	80 - 181	
cis-1,2-Dichloroethene	50.0	39.2	78	75 - 124	
2,2-Dichloropropane	50.0	44.8	90	64 - 134	
Chloroform	50.0	43.5	87	74 - 122	
Ethyl acetate	50.0	39.3	79	60 - 142	
Carbon tetrachloride	50.0	44.8	90	72 - 122	
1,1,1-Trichloroethane	50.0	44.7	89	74 - 123	
1,1-Dichloropropene	50.0	39.7	79	72 - 120	
Benzene	50.0	45.5	91	78 - 120	
1,2-Dichloroethane	50.0	43.7	87	75 - 122	
Trichloroethene	50.0	49.4	99	79 - 120	
Dibromomethane	50.0	45.6	91	79 - 120	
1,2-Dichloropropane	50.0	42.4	85	80 - 122	
Dichlorobromomethane	50.0	47.8	96	80 - 121	
Methyl methacrylate	50.0	41.6	83	68 - 124	
1,4-Dioxane	1000	878	88	40 - 150	
cis-1,3-Dichloropropene	50.0	37.4	75	65 - 120	
Toluene	50.0	44.6	89	76 - 120	
2-Nitropropane	50.0	40.3	81	60 - 126	
4-Methyl-2-pentanone (MIBK)	50.0	40.3	81	70 - 125	
trans-1,3-Dichloropropene	50.0	47.7	95	80 - 131	
Tetrachloroethene	50.0	48.1	96	68 - 121	
Ethyl methacrylate	50.0	45.4	91	68 - 127	
1,1,2-Trichloroethane	50.0	49.6	99	80 - 123	
Chlorodibromomethane	50.0	51.7	103	76 - 121	
1,3-Dichloropropane	50.0	46.3	93	80 - 121	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Lab Control Sample - Batch: 560-38935

Method: 8260B
Preparation: 5035

Lab Sample ID: LCS 560-38935/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/18/2009 0919
Date Prepared: 08/18/2009 0800

Analysis Batch: 560-38924
Prep Batch: 560-38935
Units: ug/Kg

Instrument ID: VGCMS#3
Lab File ID: 08180903.D
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ethylene Dibromide	50.0	50.4	101	79 - 123	
2-Hexanone	50.0	44.7	89	67 - 130	
Chlorobenzene	50.0	49.6	99	76 - 120	
Ethylbenzene	50.0	48.6	97	74 - 123	
Bromoform	50.0	55.7	111	64 - 120	
Styrene	50.0	53.7	107	67 - 124	
1,1,2,2-Tetrachloroethane	50.0	42.1	84	73 - 125	
1,2,3-Trichloropropane	50.0	48.9	98	71 - 134	
1,3,5-Trimethylbenzene	50.0	44.8	90	77 - 126	
1,2,4-Trimethylbenzene	50.0	43.5	87	76 - 124	
1,2,3-Trichlorobenzene	50.0	51.0	102	46 - 150	
2-Butanone (MEK)	50.0	37.3	75	58 - 137	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.6	95	66 - 123	
Xylenes, Total	150	147	98	75 - 126	

Surrogate	% Rec	Acceptance Limits
Dibromofluoromethane (Surr)	93	51 - 138
1,2-Dichloroethane-d4 (Surr)	89	61 - 134
Toluene-d8 (Surr)	91	56 - 125
4-Bromofluorobenzene (Surr)	95	52 - 126

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 560-38935

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	560-16840-1	Analysis Batch:	560-38924	Instrument ID:	VGCMS#3
Client Matrix:	Solid	Prep Batch:	560-38935	Lab File ID:	08180904.D
Dilution:	1.0			Initial Weight/Volume:	3.66 g
Date Analyzed:	08/18/2009 0946			Final Weight/Volume:	5 mL
Date Prepared:	08/18/2009 0800				

MSD Lab Sample ID:	560-16840-1	Analysis Batch:	560-38924	Instrument ID:	VGCMS#3
Client Matrix:	Solid	Prep Batch:	560-38935	Lab File ID:	08180905.D
Dilution:	1.0			Initial Weight/Volume:	4.06 g
Date Analyzed:	08/18/2009 1011			Final Weight/Volume:	5 mL
Date Prepared:	08/18/2009 0800				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Dichlorodifluoromethane	72	77	10 - 157	3.6	30.0		
Chloromethane	74	79	32 - 141	4.3	30.0		
Vinyl chloride	79	82	34 - 142	6.7	30.0		
Bromomethane	88	101	30 - 142	3.6	30.0		
Chloroethane	78	84	35 - 139	3.6	30.0		
Trichlorofluoromethane	84	85	33 - 144	8.5	30.0		
Ethyl ether	84	100	30 - 156	6.4	30.0		
1,1-Dichloroethene	73	76	26 - 143	5.2	30.0		
Carbon disulfide	88	89	52 - 148	9.9	30.0		
Iodomethane	100	109	40 - 151	1.8	30.0		
Methylene Chloride	74	88	32 - 153	5.8	30.0		
Acetone	71	77	10 - 204	1.9	30.0		
trans-1,2-Dichloroethene	78	81	35 - 144	7.2	30.0		
Methyl tert-butyl ether	87	104	28 - 156	7.1	30.0		
Acetonitrile	74	88	10 - 160	7.3	30.0		
1,1-Dichloroethane	79	85	36 - 148	3.6	30.0		
Vinyl acetate	8	0	10 - 179	NC	30.0	J F	F
cis-1,2-Dichloroethene	76	83	33 - 147	1.6	30.0		
2,2-Dichloropropane	85	86	32 - 142	9.3	30.0		
Chloroform	83	92	39 - 143	0.1	30.0		
Ethyl acetate	28	12	20 - 156	89.5	30.0		F
Carbon tetrachloride	81	82	36 - 135	8.6	30.0		
1,1,1-Trichloroethane	82	86	36 - 144	5.8	30.0		
1,1-Dichloropropene	70	72	35 - 131	7.5	30.0		
Benzene	85	87	38 - 137	7.0	30.0		
1,2-Dichloroethane	83	94	29 - 149	2.0	30.0		
Trichloroethene	86	87	10 - 211	8.6	30.0		
Dibromomethane	84	97	37 - 143	4.0	30.0		
1,2-Dichloropropane	78	88	40 - 141	1.0	30.0		
Dichlorobromomethane	86	94	37 - 144	1.1	30.0		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 560-38935

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	560-16840-1	Analysis Batch:	560-38924	Instrument ID:	VGCMS#3
Client Matrix:	Solid	Prep Batch:	560-38935	Lab File ID:	08180904.D
Dilution:	1.0			Initial Weight/Volume:	3.66 g
Date Analyzed:	08/18/2009 0946			Final Weight/Volume:	5 mL
Date Prepared:	08/18/2009 0800				

MSD Lab Sample ID:	560-16840-1	Analysis Batch:	560-38924	Instrument ID:	VGCMS#3
Client Matrix:	Solid	Prep Batch:	560-38935	Lab File ID:	08180905.D
Dilution:	1.0			Initial Weight/Volume:	4.06 g
Date Analyzed:	08/18/2009 1011			Final Weight/Volume:	5 mL
Date Prepared:	08/18/2009 0800				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Methyl methacrylate	87	127	15 - 166	26.7	30.0		
1,4-Dioxane	79	81	12 - 150	9.0	30.0		
cis-1,3-Dichloropropene	64	73	29 - 120	2.9	30.0		
Toluene	76	78	43 - 126	6.8	30.0		
2-Nitropropane	70	83	26 - 142	6.6	30.0		
4-Methyl-2-pentanone (MIBK)	73	85	26 - 155	4.8	30.0		
trans-1,3-Dichloropropene	77	88	34 - 156	3.8	30.0		
Tetrachloroethene	73	78	27 - 149	4.2	30.0		
Ethyl methacrylate	55	43	13 - 164	35.4	30.0		F
1,1,2-Trichloroethane	93	107	34 - 144	4.0	30.0		
Chlorodibromomethane	95	107	29 - 141	1.6	30.0		
1,3-Dichloropropane	87	103	34 - 143	6.2	30.0		
Ethylene Dibromide	92	108	34 - 140	5.4	30.0		
2-Hexanone	79	94	28 - 160	6.6	30.0		
Chlorobenzene	87	93	44 - 126	3.8	30.0		
Ethylbenzene	86	87	47 - 125	8.6	30.0		
Bromoform	92	104	24 - 145	2.6	30.0		
Styrene	89	93	43 - 132	5.8	30.0		
1,1,2,2-Tetrachloroethane	90	103	19 - 158	3.4	30.0		
1,2,3-Trichloropropane	106	127	23 - 181	7.5	30.0		
1,3,5-Trimethylbenzene	90	92	40 - 135	8.4	30.0		
1,2,4-Trimethylbenzene	85	87	39 - 134	8.2	30.0		
1,2,3-Trichlorobenzene	43	42	23 - 132	12.8	30.0		
2-Butanone (MEK)	66	77	17 - 157	5.2	30.0		
1,1,2-Trichloro-1,2,2-trifluoroethane	85	88	26 - 130	7.3	30.0		
Xylenes, Total	86	88	47 - 128	7.9	30.0		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Dibromofluoromethane (Surr)	91	99	51 - 138
1,2-Dichloroethane-d4 (Surr)	86	95	61 - 134

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	77	80	56 - 125
4-Bromofluorobenzene (Surr)	78	81	52 - 126

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 560-38935

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	560-16840-1	Units: ug/Kg	MSD Lab Sample ID:	560-16840-1
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	08/18/2009 0946		Date Analyzed:	08/18/2009 1011
Date Prepared:	08/18/2009 0800		Date Prepared:	08/18/2009 0800

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Dichlorodifluoromethane	<1.0		68.8	62.0	49.5		47.7	
Chloromethane	<1.7		68.8	62.0	50.9		48.8	
Vinyl chloride	<0.85		68.8	62.0	54.1		50.6	
Bromomethane	<1.6		68.8	62.0	60.6		62.9	
Chloroethane	<0.57		68.8	62.0	53.7		51.8	
Trichlorofluoromethane	<1.4		68.8	62.0	57.6		52.9	
Ethyl ether	<0.57		68.8	62.0	57.9		61.7	
1,1-Dichloroethene	3.2	J	68.8	62.0	53.2		50.5	
Carbon disulfide	<1.0		68.8	62.0	60.8		55.1	
Iodomethane	<1.1		68.8	62.0	69.0		67.8	
Methylene Chloride	11	J	68.8	62.0	61.8		65.5	
Acetone	22	J	68.8	62.0	71.3		69.9	
trans-1,2-Dichloroethene	<0.57		68.8	62.0	53.9		50.1	
Methyl tert-butyl ether	<0.86		68.8	62.0	59.9		64.3	
Acetonitrile	<52		688	620	510		548	
1,1-Dichloroethane	<0.83		68.8	62.0	54.3		52.4	
Vinyl acetate	<1.6		68.8	62.0	5.78	J F	<1.4	F
cis-1,2-Dichloroethene	<0.81		68.8	62.0	52.1		51.3	
2,2-Dichloropropane	<1.2		68.8	62.0	58.4		53.2	
Chloroform	<1.2		68.8	62.0	57.3		57.3	
Ethyl acetate	<1.7		68.8	62.0	19.3		7.37	F
Carbon tetrachloride	<0.72		68.8	62.0	55.5		50.9	
1,1,1-Trichloroethane	<0.99		68.8	62.0	56.5		53.3	
1,1-Dichloropropene	<0.74		68.8	62.0	47.9		44.4	
Benzene	<0.57		68.8	62.0	58.2		54.2	
1,2-Dichloroethane	<0.74		68.8	62.0	57.1		58.3	
Trichloroethene	<0.57		68.8	62.0	59.1		54.2	
Dibromomethane	<1.0		68.8	62.0	57.7		60.1	
1,2-Dichloropropane	<0.57		68.8	62.0	53.8		54.3	
Dichlorobromomethane	<0.57		68.8	62.0	59.1		58.5	
Methyl methacrylate	<1.6		68.8	62.0	60.0		78.6	
1,4-Dioxane	<27		1380	1240	1090		998	
cis-1,3-Dichloropropene	<0.57		68.8	62.0	44.2		45.5	
Toluene	<0.79		68.8	62.0	52.0		48.6	
2-Nitropropane	<0.74		68.8	62.0	48.5		51.8	
4-Methyl-2-pentanone (MIBK)	<1.3		68.8	62.0	50.5		53.0	
trans-1,3-Dichloropropene	<0.74		68.8	62.0	52.6		54.7	
Tetrachloroethene	<1.0		68.8	62.0	50.4		48.3	
Ethyl methacrylate	<0.72		68.8	62.0	37.9		26.5	F

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 560-38935

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	560-16840-1	Units: ug/Kg	MSD Lab Sample ID:	560-16840-1
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	08/18/2009 0946		Date Analyzed:	08/18/2009 1011
Date Prepared:	08/18/2009 0800		Date Prepared:	08/18/2009 0800

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1,2-Trichloroethane	<0.71		68.8	62.0	63.9	66.5
Chlorodibromomethane	<0.90		68.8	62.0	65.0	66.0
1,3-Dichloropropane	<0.57		68.8	62.0	60.0	63.9
Ethylene Dibromide	<0.57		68.8	62.0	63.3	66.8
2-Hexanone	2.2	J	68.8	62.0	56.7	60.5
Chlorobenzene	<0.57		68.8	62.0	59.8	57.6
Ethylbenzene	<0.57		68.8	62.0	59.0	54.1
Bromoform	<0.72		68.8	62.0	63.1	64.7
Styrene	<0.57		68.8	62.0	61.4	57.9
1,1,2,2-Tetrachloroethane	<0.57		68.8	62.0	61.8	63.9
1,2,3-Trichloropropane	<1.1		68.8	62.0	73.0	78.7
1,3,5-Trimethylbenzene	<0.57		68.8	62.0	61.7	56.7
1,2,4-Trimethylbenzene	<0.57		68.8	62.0	58.4	53.8
1,2,3-Trichlorobenzene	<0.62		68.8	62.0	29.8	26.2
2-Butanone (MEK)	4.2	J	68.8	62.0	49.4	52.0
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.95		68.8	62.0	58.7	54.6
Xylenes, Total	0.64	J	206	186	179	165

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Method Blank - Batch: 560-38974

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 560-38974/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/19/2009 1216
Date Prepared: 08/19/2009 0830

Analysis Batch: 560-38967
Prep Batch: 560-38974
Units: ug/Kg

Instrument ID: VGCMS#3
Lab File ID: 08190908.D
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Dichlorodifluoromethane	<0.73		0.73	5.0
Chloromethane	<1.2		1.2	5.0
Vinyl chloride	<0.60		0.60	5.0
Bromomethane	<1.1		1.1	5.0
Chloroethane	<0.40		0.40	5.0
Trichlorofluoromethane	<1.0		1.0	5.0
Ethyl ether	<0.40		0.40	5.0
1,1-Dichloroethene	<0.40		0.40	5.0
Carbon disulfide	<0.73		0.73	5.0
Iodomethane	<0.80		0.80	5.0
Methylene Chloride	5.36	J	5.0	25
Acetone	<5.0		5.0	25
trans-1,2-Dichloroethene	<0.40		0.40	5.0
Methyl tert-butyl ether	<0.61		0.61	5.0
Acetonitrile	<37		37	50
1,1-Dichloroethane	<0.59		0.59	5.0
Vinyl acetate	<1.1		1.1	5.0
cis-1,2-Dichloroethene	<0.57		0.57	5.0
2,2-Dichloropropane	<0.84		0.84	5.0
Chloroform	<0.87		0.87	5.0
Ethyl acetate	<1.2		1.2	5.0
Carbon tetrachloride	<0.51		0.51	5.0
1,1,1-Trichloroethane	<0.70		0.70	5.0
1,1-Dichloropropene	<0.52		0.52	5.0
Benzene	<0.40		0.40	5.0
1,2-Dichloroethane	<0.52		0.52	5.0
Trichloroethene	<0.40		0.40	5.0
Dibromomethane	<0.71		0.71	5.0
1,2-Dichloropropane	<0.40		0.40	5.0
Dichlorobromomethane	<0.40		0.40	5.0
Methyl methacrylate	<1.1		1.1	5.0
1,4-Dioxane	<19		19	100
cis-1,3-Dichloropropene	<0.40		0.40	5.0
Toluene	<0.56		0.56	5.0
2-Nitropropane	<0.52		0.52	5.0
4-Methyl-2-pentanone (MIBK)	<0.93		0.93	5.0
trans-1,3-Dichloropropene	<0.52		0.52	5.0
Tetrachloroethene	<0.74		0.74	5.0
Ethyl methacrylate	<0.51		0.51	5.0
1,1,2-Trichloroethane	<0.50		0.50	5.0
Chlorodibromomethane	<0.64		0.64	5.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Method Blank - Batch: 560-38974

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 560-38974/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/19/2009 1216
Date Prepared: 08/19/2009 0830

Analysis Batch: 560-38967
Prep Batch: 560-38974
Units: ug/Kg

Instrument ID: VGCMS#3
Lab File ID: 08190908.D
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,3-Dichloropropane	<0.40		0.40	5.0
Ethylene Dibromide	<0.40		0.40	5.0
2-Hexanone	<1.2		1.2	5.0
Chlorobenzene	<0.40		0.40	5.0
Ethylbenzene	<0.40		0.40	5.0
Bromoform	<0.51		0.51	5.0
Styrene	<0.40		0.40	5.0
1,1,2,2-Tetrachloroethane	<0.40		0.40	5.0
1,2,3-Trichloropropane	<0.76		0.76	5.0
1,3,5-Trimethylbenzene	<0.40		0.40	5.0
1,2,4-Trimethylbenzene	<0.40		0.40	5.0
1,2,3-Trichlorobenzene	<0.44		0.44	5.0
2-Butanone (MEK)	1.14	J	1.0	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.67		0.67	5.0
Xylenes, Total	<0.40		0.40	15

Surrogate	% Rec	Acceptance Limits
Dibromofluoromethane (Surr)	93	51 - 138
1,2-Dichloroethane-d4 (Surr)	96	61 - 134
Toluene-d8 (Surr)	97	56 - 125
4-Bromofluorobenzene (Surr)	101	52 - 126

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Lab Control Sample - Batch: 560-38974

Method: 8260B
Preparation: 5035

Lab Sample ID: LCS 560-38974/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/19/2009 1002
Date Prepared: 08/19/2009 0830

Analysis Batch: 560-38967
Prep Batch: 560-38974
Units: ug/Kg

Instrument ID: VGCMS#3
Lab File ID: 08190903.D
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	50.0	39.5	79	43 - 159	
Chloromethane	50.0	36.1	72	62 - 151	
Vinyl chloride	50.0	40.1	80	71 - 143	
Bromomethane	50.0	41.3	83	63 - 132	
Chloroethane	50.0	36.4	73	70 - 132	
Trichlorofluoromethane	50.0	43.7	87	80 - 143	
Ethyl ether	50.0	40.1	80	74 - 128	
1,1-Dichloroethene	50.0	38.0	76	75 - 122	
Carbon disulfide	50.0	45.9	92	70 - 169	
Iodomethane	50.0	50.4	101	79 - 135	
Methylene Chloride	50.0	48.3	97	74 - 125	
Acetone	50.0	47.2	94	44 - 172	
trans-1,2-Dichloroethene	50.0	39.2	78	75 - 126	
Methyl tert-butyl ether	50.0	42.0	84	70 - 126	
Acetonitrile	500	400	80	50 - 156	
1,1-Dichloroethane	50.0	39.1	78	75 - 123	
Vinyl acetate	50.0	49.3	99	80 - 181	
cis-1,2-Dichloroethene	50.0	37.8	76	75 - 124	
2,2-Dichloropropane	50.0	41.9	84	64 - 134	
Chloroform	50.0	41.9	84	74 - 122	
Ethyl acetate	50.0	41.8	84	60 - 142	
Carbon tetrachloride	50.0	43.4	87	72 - 122	
1,1,1-Trichloroethane	50.0	43.1	86	74 - 123	
1,1-Dichloropropene	50.0	38.0	76	72 - 120	
Benzene	50.0	44.6	89	78 - 120	
1,2-Dichloroethane	50.0	42.6	85	75 - 122	
Trichloroethene	50.0	49.0	98	79 - 120	
Dibromomethane	50.0	45.9	92	79 - 120	
1,2-Dichloropropane	50.0	43.3	87	80 - 122	
Dichlorobromomethane	50.0	46.6	93	80 - 121	
Methyl methacrylate	50.0	45.2	90	68 - 124	
1,4-Dioxane	1000	905	91	40 - 150	
cis-1,3-Dichloropropene	50.0	38.6	77	65 - 120	
Toluene	50.0	45.6	91	76 - 120	
2-Nitropropane	50.0	40.4	81	60 - 126	
4-Methyl-2-pentanone (MIBK)	50.0	41.4	83	70 - 125	
trans-1,3-Dichloropropene	50.0	49.9	100	80 - 131	
Tetrachloroethene	50.0	48.6	97	68 - 121	
Ethyl methacrylate	50.0	48.7	97	68 - 127	
1,1,2-Trichloroethane	50.0	50.1	100	80 - 123	
Chlorodibromomethane	50.0	52.2	104	76 - 121	
1,3-Dichloropropane	50.0	48.4	97	80 - 121	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Lab Control Sample - Batch: 560-38974

Method: 8260B
Preparation: 5035

Lab Sample ID: LCS 560-38974/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/19/2009 1002
Date Prepared: 08/19/2009 0830

Analysis Batch: 560-38967
Prep Batch: 560-38974
Units: ug/Kg

Instrument ID: VGCMS#3
Lab File ID: 08190903.D
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ethylene Dibromide	50.0	51.6	103	79 - 123	
2-Hexanone	50.0	48.7	97	67 - 130	
Chlorobenzene	50.0	50.7	101	76 - 120	
Ethylbenzene	50.0	49.2	98	74 - 123	
Bromoform	50.0	59.2	118	64 - 120	
Styrene	50.0	55.2	110	67 - 124	
1,1,2,2-Tetrachloroethane	50.0	41.8	84	73 - 125	
1,2,3-Trichloropropane	50.0	44.5	89	71 - 134	
1,3,5-Trimethylbenzene	50.0	42.8	86	77 - 126	
1,2,4-Trimethylbenzene	50.0	42.1	84	76 - 124	
1,2,3-Trichlorobenzene	50.0	48.4	97	46 - 150	
2-Butanone (MEK)	50.0	38.8	78	58 - 137	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	46.7	93	66 - 123	
Xylenes, Total	150	147	98	75 - 126	

Surrogate	% Rec	Acceptance Limits
Dibromofluoromethane (Surr)	91	51 - 138
1,2-Dichloroethane-d4 (Surr)	88	61 - 134
Toluene-d8 (Surr)	95	56 - 125
4-Bromofluorobenzene (Surr)	101	52 - 126

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Method Blank - Batch: 560-38973

Method: 8270C
Preparation: 3550B

Lab Sample ID:	MB 560-38973/1-A	Analysis Batch:	560-39035	Instrument ID:	SVGCMS#3
Client Matrix:	Solid	Prep Batch:	560-38973	Lab File ID:	08200904.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	29.97 g
Date Analyzed:	08/20/2009 1352			Final Weight/Volume:	1 mL
Date Prepared:	08/19/2009 1000			Injection Volume:	1.0 uL

Analyte	Result	Qual	MDL	RL
Phenol	<17		17	330
Bis(2-chloroethyl)ether	<37		37	330
2-Chlorophenol	<28		28	330
1,3-Dichlorobenzene	<44		44	330
1,4-Dichlorobenzene	<46		46	330
Benzyl alcohol	<25		25	330
1,2-Dichlorobenzene	<52		52	330
2-Methylphenol	<33		33	330
3 & 4 Methylphenol	<50		50	330
N-Nitrosodi-n-propylamine	<17		17	330
Hexachloroethane	<50		50	330
Nitrobenzene	<36		36	330
Isophorone	<17		17	330
2-Nitrophenol	<17		17	330
2,4-Dimethylphenol	<20		20	330
Bis(2-chloroethoxy)methane	<17		17	330
2,4-Dichlorophenol	<23		23	330
1,2,4-Trichlorobenzene	<46		46	330
Naphthalene	<42		42	330
4-Chloroaniline	<67		67	330
Hexachlorobutadiene	<45		45	330
4-Chloro-3-methylphenol	<17		17	330
2-Methylnaphthalene	<31		31	330
Hexachlorocyclopentadiene	<27		27	330
2,4,6-Trichlorophenol	<17		17	330
2,4,5-Trichlorophenol	<17		17	330
2-Chloronaphthalene	<17		17	330
2-Nitroaniline	<50		50	330
Dimethyl phthalate	<17		17	330
Acenaphthylene	<17		17	330
2,6-Dinitrotoluene	<50		50	330
3-Nitroaniline	<67		67	330
Acenaphthene	<17		17	330
2,4-Dinitrophenol	<67		67	330
4-Nitrophenol	<67		67	330
Dibenzofuran	<17		17	330
2,4-Dinitrotoluene	<50		50	330
Diethyl phthalate	<17		17	330
Fluorene	<17		17	330
4-Chlorophenyl phenyl ether	<17		17	330
4-Nitroaniline	<67		67	330

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Method Blank - Batch: 560-38973

Method: 8270C
Preparation: 3550B

Lab Sample ID:	MB 560-38973/1-A	Analysis Batch:	560-39035	Instrument ID:	SVGCMS#3
Client Matrix:	Solid	Prep Batch:	560-38973	Lab File ID:	08200904.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	29.97 g
Date Analyzed:	08/20/2009 1352			Final Weight/Volume:	1 mL
Date Prepared:	08/19/2009 1000			Injection Volume:	1.0 uL

Analyte	Result	Qual	MDL	RL
4,6-Dinitro-2-methylphenol	<67		67	330
N-Nitrosodiphenylamine	<17		17	330
4-Bromophenyl phenyl ether	<17		17	330
Hexachlorobenzene	<17		17	330
Phenanthrene	<17		17	330
Anthracene	<17		17	330
Di-n-butyl phthalate	<17		17	330
Fluoranthene	<17		17	330
Pyrene	<17		17	330
Butyl benzyl phthalate	<17		17	330
Benzo[a]anthracene	<17		17	330
Chrysene	<17		17	330
Bis(2-ethylhexyl) phthalate	<17		17	330
Di-n-octyl phthalate	<17		17	330
Benzo[b]fluoranthene	<17		17	330
Benzo[k]fluoranthene	<17		17	330
Benzo[a]pyrene	<17		17	330
Indeno[1,2,3-cd]pyrene	<17		17	330
Dibenz(a,h)anthracene	<17		17	330
Benzo[g,h,i]perylene	<17		17	330
3,3'-Dichlorobenzidine	<170		170	330
Pentachlorophenol	<67		67	330

Surrogate	% Rec	Acceptance Limits
2-Fluorophenol	89	54 - 120
Phenol-d5	86	55 - 120
Nitrobenzene-d5	81	53 - 120
2-Fluorobiphenyl	85	58 - 120
2,4,6-Tribromophenol	94	64 - 120
Terphenyl-d14	104	64 - 125

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Lab Control Sample - Batch: 560-38973

Method: 8270C
Preparation: 3550B

Lab Sample ID:	LCS 560-38973/2-A	Analysis Batch:	560-39035	Instrument ID:	SVGCMS#3
Client Matrix:	Solid	Prep Batch:	560-38973	Lab File ID:	08200905.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	29.99 g
Date Analyzed:	08/20/2009 1419			Final Weight/Volume:	1 mL
Date Prepared:	08/19/2009 1000			Injection Volume:	1.0 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenol	3330	3070	92	62 - 120	
Bis(2-chloroethyl)ether	3330	2700	81	57 - 120	
2-Chlorophenol	3330	2970	89	63 - 120	
1,3-Dichlorobenzene	3330	2630	79	56 - 120	
1,4-Dichlorobenzene	3330	2630	79	57 - 120	
Benzyl alcohol	3330	3230	97	62 - 120	
1,2-Dichlorobenzene	3330	2670	80	58 - 120	
2-Methylphenol	3330	3060	92	63 - 120	
3 & 4 Methylphenol	6670	5880	88	62 - 120	
N-Nitrosodi-n-propylamine	3330	2800	84	53 - 120	
Hexachloroethane	3330	2660	80	54 - 120	
Nitrobenzene	3330	2720	82	56 - 120	
Isophorone	3330	2840	85	55 - 120	
2-Nitrophenol	3330	2780	83	60 - 120	
2,4-Dimethylphenol	3330	3400	102	72 - 120	
Bis(2-chloroethoxy)methane	3330	2910	87	61 - 120	
2,4-Dichlorophenol	3330	3180	95	66 - 120	
1,2,4-Trichlorobenzene	3330	2760	83	60 - 120	
Naphthalene	3330	2790	84	63 - 120	
4-Chloroaniline	3330	2510	75	29 - 120	
Hexachlorobutadiene	3330	2740	82	59 - 120	
4-Chloro-3-methylphenol	3330	3340	100	65 - 120	
2-Methylnaphthalene	3330	3030	91	66 - 120	
Hexachlorocyclopentadiene	3330	2770	83	31 - 120	
2,4,6-Trichlorophenol	3330	3370	101	67 - 120	
2,4,5-Trichlorophenol	3330	3370	101	66 - 120	
2-Chloronaphthalene	3330	3060	92	63 - 120	
2-Nitroaniline	3330	4020	120	56 - 120	
Dimethyl phthalate	3330	3220	97	64 - 120	
Acenaphthylene	3330	3180	95	66 - 120	
2,6-Dinitrotoluene	3330	3270	98	64 - 120	
3-Nitroaniline	3330	2780	83	42 - 120	
Acenaphthene	3330	3170	95	65 - 120	
2,4-Dinitrophenol	3330	2700	81	43 - 120	
4-Nitrophenol	3330	3270	98	51 - 120	
Dibenzofuran	3330	3190	96	65 - 120	
2,4-Dinitrotoluene	3330	3280	99	63 - 120	
Diethyl phthalate	3330	3280	98	65 - 120	
Fluorene	3330	3230	97	66 - 120	
4-Chlorophenyl phenyl ether	3330	3170	95	66 - 120	
4-Nitroaniline	3330	3240	97	60 - 120	
4,6-Dinitro-2-methylphenol	3330	3060	92	53 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Lab Control Sample - Batch: 560-38973

Method: 8270C
Preparation: 3550B

Lab Sample ID:	LCS 560-38973/2-A	Analysis Batch:	560-39035	Instrument ID:	SVGCMS#3
Client Matrix:	Solid	Prep Batch:	560-38973	Lab File ID:	08200905.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	29.99 g
Date Analyzed:	08/20/2009 1419			Final Weight/Volume:	1 mL
Date Prepared:	08/19/2009 1000			Injection Volume:	1.0 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
N-Nitrosodiphenylamine	3330	3420	102	64 - 120	
4-Bromophenyl phenyl ether	3330	3350	100	66 - 120	
Hexachlorobenzene	3330	3280	98	65 - 120	
Phenanthrene	3330	3330	100	68 - 120	
Anthracene	3330	3370	101	66 - 120	
Di-n-butyl phthalate	3330	3450	103	65 - 120	
Fluoranthene	3330	3380	101	65 - 120	
Pyrene	3330	3430	103	66 - 120	
Butyl benzyl phthalate	3330	3550	107	66 - 120	
Benzo[a]anthracene	3330	3590	108	67 - 120	
Chrysene	3330	3610	108	65 - 120	
Bis(2-ethylhexyl) phthalate	3330	3480	104	67 - 120	
Di-n-octyl phthalate	3330	3150	94	66 - 120	
Benzo[b]fluoranthene	3330	4230	127	65 - 120	*
Benzo[k]fluoranthene	3330	3440	103	63 - 120	
Benzo[a]pyrene	3330	4250	128	66 - 126	*
Indeno[1,2,3-cd]pyrene	3330	3770	113	63 - 120	
Dibenz(a,h)anthracene	3330	3550	106	53 - 120	
Benzo[g,h,i]perylene	3330	3710	111	62 - 120	
3,3'-Dichlorobenzidine	5000	3950	79	42 - 120	
Pentachlorophenol	3330	3510	105	58 - 120	

Surrogate	% Rec	Acceptance Limits
2-Fluorophenol	80	54 - 120
Phenol-d5	81	55 - 120
Nitrobenzene-d5	75	53 - 120
2-Fluorobiphenyl	84	58 - 120
2,4,6-Tribromophenol	98	64 - 120
Terphenyl-d14	85	64 - 125

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Method Blank - Batch: 560-39074

Method: 8081B
Preparation: 3550B

Lab Sample ID: MB 560-39074/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/25/2009 1159
Date Prepared: 08/21/2009 1000

Analysis Batch: 560-39184
Prep Batch: 560-39074
Units: ug/Kg

Instrument ID: SVGC#1
Lab File ID: 08250913.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	<0.088		0.088	1.7
4,4'-DDE	<0.083		0.083	1.7
4,4'-DDT	<0.13		0.13	1.7
Aldrin	<0.086		0.086	1.7
alpha-BHC	<0.22		0.22	1.7
alpha-Chlordane	<0.28		0.28	1.7
beta-BHC	<0.30		0.30	1.7
Chlordane (technical)	<1.9		1.9	17
delta-BHC	<0.083		0.083	1.7
Dieldrin	<0.084		0.084	1.7
Endosulfan I	<0.083		0.083	1.7
Endosulfan II	<0.083		0.083	1.7
Endosulfan sulfate	<0.11		0.11	1.7
Endrin	<0.083		0.083	1.7
Endrin aldehyde	<0.14		0.14	1.7
Endrin ketone	<0.088		0.088	1.7
gamma-BHC (Lindane)	<0.083		0.083	1.7
gamma-Chlordane	<0.38		0.38	1.7
Heptachlor	<0.45		0.45	1.7
Heptachlor epoxide	<0.096		0.096	1.7
Methoxychlor	<0.23		0.23	1.7
Toxaphene	<5.2		5.2	33

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	103	55 - 130
Tetrachloro-m-xylene	89	69 - 125

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Lab Control Sample - Batch: 560-39074

Method: 8081B
Preparation: 3550B

Lab Sample ID: LCS 560-39074/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/25/2009 1222
Date Prepared: 08/21/2009 1000

Analysis Batch: 560-39184
Prep Batch: 560-39074
Units: ug/Kg

Instrument ID: SVGC#1
Lab File ID: 08250915.D
Initial Weight/Volume: 29.99 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	16.7	16.4	99	30 - 135	
4,4'-DDE	16.7	16.7	100	70 - 125	
4,4'-DDT	16.7	16.4	98	45 - 140	
Aldrin	16.7	15.8	95	45 - 140	
alpha-BHC	16.7	15.2	91	60 - 125	
alpha-Chlordane	16.7	15.6	94	65 - 120	
beta-BHC	16.7	15.0	90	60 - 125	
delta-BHC	16.7	16.1	96	55 - 130	
Dieldrin	16.7	16.1	96	65 - 125	
Endosulfan I	16.7	15.9	95	15 - 135	
Endosulfan II	16.7	15.5	93	35 - 140	
Endosulfan sulfate	16.7	15.5	93	60 - 135	
Endrin	16.7	15.9	96	60 - 135	
Endrin aldehyde	16.7	12.5	75	35 - 145	
Endrin ketone	16.7	15.2	91	65 - 135	
gamma-BHC (Lindane)	16.7	15.5	93	60 - 125	
gamma-Chlordane	16.7	18.1	109	65 - 125	
Heptachlor	16.7	16.4	98	50 - 140	
Heptachlor epoxide	16.7	16.1	97	65 - 130	
Methoxychlor	16.7	15.2	91	55 - 145	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	100	55 - 130
Tetrachloro-m-xylene	91	69 - 125

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	98	55 - 130
Tetrachloro-m-xylene	84	69 - 125

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	99	55 - 130
Tetrachloro-m-xylene	91	69 - 125

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Method Blank - Batch: 600-19514

Method: 8151A
Preparation: 8151A

Lab Sample ID: MB 600-19514/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/20/2009 1611
Date Prepared: 08/18/2009 1338

Analysis Batch: 600-19668
Prep Batch: 600-19514
Units: ug/Kg

Instrument ID: ECD-08
Lab File ID: BH19_056.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 5.00 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Dalapon	<27		27	33
Dicamba	<0.77		0.77	6.7
Mecoprop	<76		76	67
MCPA	<110		110	67
Dichlorprop	<0.75		0.75	6.7
2,4-D	<0.57		0.57	6.7
Silvex (2,4,5-TP)	<0.72		0.72	6.7
2,4,5-T	<0.73		0.73	6.7
2,4-DB	<1.1		1.1	6.7
Dinoseb	<0.53		0.53	6.7

Surrogate	% Rec	Acceptance Limits
2,4-DCAA	85	22 - 130

Lab Control Sample - Batch: 600-19514

Method: 8151A
Preparation: 8151A

Lab Sample ID: LCS 600-19514/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/20/2009 1639
Date Prepared: 08/18/2009 1338

Analysis Batch: 600-19668
Prep Batch: 600-19514
Units: ug/Kg

Instrument ID: ECD-08
Lab File ID: BH19_057.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 5.00 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dalapon	100	329	329	10 - 137	E *
Dicamba	20.0	18.3	92	30 - 115	
Mecoprop	2000	1360	68	50 - 150	
MCPA	2000	1210	60	24 - 149	
Dichlorprop	20.0	21.7	109	30 - 122	
2,4-D	20.0	19.3	97	44 - 116	
Silvex (2,4,5-TP)	20.0	18.6	93	49 - 118	
2,4,5-T	20.0	20.7	103	55 - 125	
2,4-DB	20.0	16.9	85	62 - 135	
Dinoseb	20.0	3.48	17	1 - 144	J

Surrogate	% Rec	Acceptance Limits
2,4-DCAA	85	22 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-19514

Method: 8151A
Preparation: 8151A

MS Lab Sample ID:	560-16840-4	Analysis Batch: 600-19668	Instrument ID: ECD-08
Client Matrix:	Solid	Prep Batch: 600-19514	Lab File ID: BH19_073.D
Dilution:	1.0		Initial Weight/Volume: 30.03 g
Date Analyzed:	08/21/2009 0012		Final Weight/Volume: 5.00 mL
Date Prepared:	08/18/2009 1338		Injection Volume: 1.0 uL
			Column ID: PRIMARY

MSD Lab Sample ID:	560-16840-4	Analysis Batch: 600-19668	Instrument ID: ECD-08
Client Matrix:	Solid	Prep Batch: 600-19514	Lab File ID: BH19_074.D
Dilution:	1.0		Initial Weight/Volume: 30.00 g
Date Analyzed:	08/21/2009 0040		Final Weight/Volume: 5.00 mL
Date Prepared:	08/18/2009 1338		Injection Volume: 1.0 uL
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Dalapon	75	32	50 - 150	80	30	E	J F
Dicamba	55	38	50 - 150	37	30		F
Mecoprop	62	67	50 - 150	7	30		
MCPA	59	62	50 - 150	5	30		
Dichlorprop	84	80	50 - 150	5	30		
2,4-D	79	68	50 - 150	15	30		
Silvex (2,4,5-TP)	79	76	50 - 150	4	30		
2,4,5-T	81	73	50 - 150	10	30		
2,4-DB	94	104	50 - 150	30	30		p
Dinoseb	64	49	50 - 150	27	30		F

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4-DCAA	80	84	22 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 600-19514

Method: 8151A
Preparation: 8151A

MS Lab Sample ID:	560-16840-4	Units: ug/Kg	MSD Lab Sample ID:	560-16840-4
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	08/21/2009 0012		Date Analyzed:	08/21/2009 0040
Date Prepared:	08/18/2009 1338		Date Prepared:	08/18/2009 1338

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Dalapon	<28	104	104	77.6	E	33.4	J F
Dicamba	<0.79	27.6	27.6	15.3		10.5	F
Mecoprop	<79	2760	2760	1720		1840	
MCPA	<110	2760	2760	1630		1720	
Dichlorprop	<0.78	27.6	27.6	23.2		22.1	
2,4-D	<0.59	27.6	27.6	21.8		18.8	
Silvex (2,4,5-TP)	<0.74	27.6	27.6	21.9		21.0	
2,4,5-T	<0.76	27.6	27.6	22.3		20.2	
2,4-DB	<1.1	27.6	27.6	25.9		28.7	p
Dinoseb	<0.55	27.6	27.6	17.8		13.6	F

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Method Blank - Batch: 560-39076

Method: TX 1005
Preparation: TX_1005_S_Prep

Lab Sample ID: MB 560-39076/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/21/2009 2057
Date Prepared: 08/21/2009 1032

Analysis Batch: 560-39205
Prep Batch: 560-39076
Units: mg/Kg

Instrument ID: SVGC#4
Lab File ID: 08210924.D
Initial Weight/Volume: 10.02 g
Final Weight/Volume: 10 mL
Injection Volume:

Analyte	Result	Qual	MDL	RL
Over C12-C28	<6.0		6.0	50
Over C28-C35	<6.0		6.0	50
C6-C12	<6.0		6.0	50
C6-C35	<6.0		6.0	50

Surrogate	% Rec	Acceptance Limits
o-Terphenyl (Surr)	95	70 - 130
1-Chlorooctane (Surr)	94	70 - 130

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 560-39076

Method: TX 1005
Preparation: TX_1005_S_Prep

LCS Lab Sample ID: LCS 560-39076/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/21/2009 2105
Date Prepared: 08/21/2009 1032

Analysis Batch: 560-39205
Prep Batch: 560-39076
Units: mg/Kg

Instrument ID: SVGC#4
Lab File ID: 08210925.D
Initial Weight/Volume: 10.01 g
Final Weight/Volume: 10 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 560-39076/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/21/2009 2114
Date Prepared: 08/21/2009 1032

Analysis Batch: 560-39205
Prep Batch: 560-39076
Units: mg/Kg

Instrument ID: SVGC#4
Lab File ID: 08210926.D
Initial Weight/Volume: 10.01 g
Final Weight/Volume: 10 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
C6-C35	99	96	75 - 125	3	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl (Surr)	97	93	70 - 130
1-Chlorooctane (Surr)	98	95	70 - 130

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 560-39076

Method: TX 1005
Preparation: TX_1005_S_Prep

LCS Lab Sample ID:	LCS 560-39076/2-A	Units:	mg/Kg	LCSD Lab Sample ID:	LCSD 560-39076/3-A
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	08/21/2009 2105			Date Analyzed:	08/21/2009 2114
Date Prepared:	08/21/2009 1032			Date Prepared:	08/21/2009 1032

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
C6-C35	250	250	248	241

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Method Blank - Batch: 560-38885

Method: 6020
Preparation: 3050B

Lab Sample ID: MB 560-38885/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/17/2009 1659
Date Prepared: 08/17/2009 1000

Analysis Batch: 560-38922
Prep Batch: 560-38885
Units: mg/Kg

Instrument ID: Agilent ICPMS
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Silver	<0.069		0.069	0.25
Arsenic	<0.050		0.050	0.25
Barium	<0.11		0.11	0.25
Cadmium	<0.072		0.072	0.25
Chromium	<0.11		0.11	0.25
Lead	<0.20		0.20	0.25
Selenium	<0.044		0.044	0.25

Method Blank - Batch: 560-38885

Method: 6020
Preparation: 3050B

Lab Sample ID: MB 560-38885/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/18/2009 1421
Date Prepared: 08/17/2009 1000

Analysis Batch: 560-38968
Prep Batch: 560-38885
Units: mg/Kg

Instrument ID: Agilent ICPMS
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Silver	<0.069		0.069	0.25
Arsenic	<0.050		0.050	0.25
Barium	<0.11		0.11	0.25
Cadmium	<0.072		0.072	0.25
Chromium	<0.11		0.11	0.25
Lead	<0.20		0.20	0.25
Selenium	<0.044		0.044	0.25

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Lab Control Sample - Batch: 560-38885

Method: 6020
Preparation: 3050B

Lab Sample ID:	LCS 560-38885/2-A	Analysis Batch:	560-38922	Instrument ID:	Agilent ICPMS
Client Matrix:	Solid	Prep Batch:	560-38885	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.00 g
Date Analyzed:	08/17/2009 1705			Final Weight/Volume:	50 mL
Date Prepared:	08/17/2009 1000				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	20.0	17.2	86	80 - 120	
Arsenic	20.0	19.0	95	80 - 120	
Barium	20.0	19.1	96	80 - 120	
Cadmium	20.0	18.6	93	80 - 120	
Chromium	20.0	19.0	95	80 - 120	
Lead	20.0	19.0	95	80 - 120	
Selenium	20.0	19.0	95	80 - 120	

Lab Control Sample - Batch: 560-38885

Method: 6020
Preparation: 3050B

Lab Sample ID:	LCS 560-38885/2-A	Analysis Batch:	560-38968	Instrument ID:	Agilent ICPMS
Client Matrix:	Solid	Prep Batch:	560-38885	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	1.00 g
Date Analyzed:	08/18/2009 1427			Final Weight/Volume:	50 mL
Date Prepared:	08/17/2009 1000				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	20.0	16.9	84	80 - 120	
Arsenic	20.0	18.3	91	80 - 120	
Barium	20.0	17.9	89	80 - 120	
Cadmium	20.0	17.7	88	80 - 120	
Chromium	20.0	18.1	91	80 - 120	
Lead	20.0	18.0	90	80 - 120	
Selenium	20.0	17.5	87	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Method Blank - Batch: 560-39100

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 560-39100/4-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/21/2009 1233
Date Prepared: 08/21/2009 0800

Analysis Batch: 560-39105
Prep Batch: 560-39100
Units: mg/Kg

Instrument ID: Mercury Analyzer Leeman -
Lab File ID: N/A
Initial Weight/Volume: 0.6 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	<0.042		0.042	0.20

Lab Control Sample - Batch: 560-39100

Method: 7471A
Preparation: 7471A

Lab Sample ID: LCS 560-39100/5-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/21/2009 1235
Date Prepared: 08/21/2009 0800

Analysis Batch: 560-39105
Prep Batch: 560-39100
Units: mg/Kg

Instrument ID: Mercury Analyzer Leeman -
Lab File ID: N/A
Initial Weight/Volume: 0.6 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.417	0.423	102	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: ARGO Systems LLC

Job Number: 560-16840-1

Laboratory Chronicle

Lab ID: **560-16840-1** **Client ID:** **LF-Central Stockpile**

Sample Date/Time: 08/14/2009 16:30 Received Date/Time: 08/15/2009 14:51

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	560-16840-A-1-B		560-38924	560-38935	08/18/2009 08:00	1	TAL CC	KRM
A:8260B	560-16840-A-1-B		560-38924	560-38935	08/18/2009 11:52	1	TAL CC	KRM
P:3550B	560-16840-E-1-A		560-39250	560-38973	08/19/2009 10:00	4	TAL CC	AY
A:8270C	560-16840-E-1-A		560-39250	560-38973	08/26/2009 17:10	4	TAL CC	GEF
P:3550B	560-16840-E-1-B		560-39184	560-39074	08/21/2009 10:00	5	TAL CC	AY
A:8081B	560-16840-E-1-B		560-39184	560-39074	08/25/2009 18:40	5	TAL CC	RH
P:8151A	560-16840-F-1-A		600-19668	600-19514	08/18/2009 13:38	20	TAL HOU	MPT
A:8151A	560-16840-F-1-A		600-19668	600-19514	08/20/2009 18:33	20	TAL HOU	KP
P:TX_1005_S_Prep	560-16840-D-1-A		560-39205	560-39076	08/21/2009 10:32	1	TAL CC	BM
A:TX 1005	560-16840-D-1-A		560-39205	560-39076	08/25/2009 13:34	1	TAL CC	BC
P:3050B	560-16840-A-1-A		560-38922	560-38885	08/17/2009 10:00	1	TAL CC	SRF
A:6020	560-16840-A-1-A		560-38922	560-38885	08/17/2009 18:02	1	TAL CC	JEM
P:7471A	560-16840-A-1-C		560-39105	560-39100	08/21/2009 08:00	1	TAL CC	JEM
A:7471A	560-16840-A-1-C		560-39105	560-39100	08/21/2009 13:26	1	TAL CC	JEM
A:Moisture	560-16840-A-1		560-38945		08/18/2009 12:00	1	TAL CC	SG

Lab ID: **560-16840-1 MS** **Client ID:** **LF-Central Stockpile**

Sample Date/Time: 08/14/2009 16:30 Received Date/Time: 08/15/2009 14:51

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	560-16840-B-1-A MS		560-38924	560-38935	08/18/2009 08:00	1	TAL CC	KRM
A:8260B	560-16840-B-1-A MS		560-38924	560-38935	08/18/2009 09:46	1	TAL CC	KRM

Lab ID: **560-16840-1 MSD** **Client ID:** **LF-Central Stockpile**

Sample Date/Time: 08/14/2009 16:30 Received Date/Time: 08/15/2009 14:51

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	560-16840-C-1-A MSD		560-38924	560-38935	08/18/2009 08:00	1	TAL CC	KRM
A:8260B	560-16840-C-1-A MSD		560-38924	560-38935	08/18/2009 10:11	1	TAL CC	KRM

Client: ARGO Systems LLC

Job Number: 560-16840-1

Laboratory Chronicle

Lab ID: **560-16840-2** **Client ID:** **LF-Central Stockpile Dup**

Sample Date/Time: 08/14/2009 16:30 Received Date/Time: 08/15/2009 14:51

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	560-16840-B-2-A		560-38967	560-38974	08/19/2009 08:30	1	TAL CC	KRM
A:8260B	560-16840-B-2-A		560-38967	560-38974	08/19/2009 13:58	1	TAL CC	KRM
P:3550B	560-16840-E-2-A		560-39250	560-38973	08/19/2009 10:00	4	TAL CC	AY
A:8270C	560-16840-E-2-A		560-39250	560-38973	08/26/2009 17:38	4	TAL CC	GEF
P:3550B	560-16840-E-2-B		560-39184	560-39074	08/21/2009 10:00	5	TAL CC	AY
A:8081B	560-16840-E-2-B		560-39184	560-39074	08/25/2009 19:03	5	TAL CC	RH
P:8151A	560-16840-F-2-A		600-19668	600-19514	08/18/2009 13:38	20	TAL HOU	MPT
A:8151A	560-16840-F-2-A		600-19668	600-19514	08/20/2009 19:01	20	TAL HOU	KP
P:TX_1005_S_Prep	560-16840-D-2-A		560-39205	560-39076	08/21/2009 10:32	1	TAL CC	BM
A:TX 1005	560-16840-D-2-A		560-39205	560-39076	08/25/2009 13:52	1	TAL CC	BC
P:3050B	560-16840-A-2-A		560-38922	560-38885	08/17/2009 10:00	1	TAL CC	SRF
A:6020	560-16840-A-2-A		560-38922	560-38885	08/17/2009 18:08	1	TAL CC	JEM
P:3050B	560-16840-A-2-A		560-38968	560-38885	08/17/2009 10:00	5	TAL CC	SRF
A:6020	560-16840-A-2-A		560-38968	560-38885	08/18/2009 15:04	5	TAL CC	JEM
P:7471A	560-16840-A-2-C		560-39105	560-39100	08/21/2009 08:00	1	TAL CC	JEM
A:7471A	560-16840-A-2-C		560-39105	560-39100	08/21/2009 13:28	1	TAL CC	JEM
A:Moisture	560-16840-A-2		560-38945		08/18/2009 12:00	1	TAL CC	SG

Lab ID: **560-16840-3** **Client ID:** **LF-West Stockpile**

Sample Date/Time: 08/14/2009 16:40 Received Date/Time: 08/15/2009 14:51

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	560-16840-B-3-A		560-38967	560-38974	08/19/2009 08:30	1	TAL CC	KRM
A:8260B	560-16840-B-3-A		560-38967	560-38974	08/19/2009 14:23	1	TAL CC	KRM
P:3550B	560-16840-E-3-A		560-39250	560-38973	08/19/2009 10:00	4	TAL CC	AY
A:8270C	560-16840-E-3-A		560-39250	560-38973	08/26/2009 18:06	4	TAL CC	GEF
P:3550B	560-16840-E-3-B		560-39184	560-39074	08/21/2009 10:00	5	TAL CC	AY
A:8081B	560-16840-E-3-B		560-39184	560-39074	08/25/2009 19:27	5	TAL CC	RH
P:8151A	560-16840-F-3-A		600-19668	600-19514	08/18/2009 13:38	20	TAL HOU	MPT
A:8151A	560-16840-F-3-A		600-19668	600-19514	08/20/2009 19:30	20	TAL HOU	KP
P:TX_1005_S_Prep	560-16840-D-3-A		560-39205	560-39076	08/21/2009 10:32	1	TAL CC	BM
A:TX 1005	560-16840-D-3-A		560-39205	560-39076	08/25/2009 14:07	1	TAL CC	BC
P:3050B	560-16840-A-3-A		560-38922	560-38885	08/17/2009 10:00	1	TAL CC	SRF
A:6020	560-16840-A-3-A		560-38922	560-38885	08/17/2009 18:13	1	TAL CC	JEM
P:3050B	560-16840-A-3-A		560-38968	560-38885	08/17/2009 10:00	5	TAL CC	SRF
A:6020	560-16840-A-3-A		560-38968	560-38885	08/18/2009 15:25	5	TAL CC	JEM
P:7471A	560-16840-A-3-C		560-39105	560-39100	08/21/2009 08:00	1	TAL CC	JEM
A:7471A	560-16840-A-3-C		560-39105	560-39100	08/21/2009 13:31	1	TAL CC	JEM
A:Moisture	560-16840-A-3		560-38945		08/18/2009 12:00	1	TAL CC	SG

Client: ARGO Systems LLC

Job Number: 560-16840-1

Laboratory Chronicle

Lab ID: **560-16840-4** **Client ID:** **LF-North Stockpile**

Sample Date/Time: 08/14/2009 16:45 Received Date/Time: 08/15/2009 14:51

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	560-16840-A-4-B		560-38924	560-38935	08/18/2009 08:00	1	TAL CC	KRM
A:8260B	560-16840-A-4-B		560-38924	560-38935	08/18/2009 13:08	1	TAL CC	KRM
P:3550B	560-16840-E-4-A		560-39250	560-38973	08/19/2009 10:00	2	TAL CC	AY
A:8270C	560-16840-E-4-A		560-39250	560-38973	08/26/2009 18:33	2	TAL CC	GEF
P:3550B	560-16840-E-4-B		560-39184	560-39074	08/21/2009 10:00	2	TAL CC	AY
A:8081B	560-16840-E-4-B		560-39184	560-39074	08/25/2009 19:50	2	TAL CC	RH
P:8151A	560-16840-F-4-A		600-19668	600-19514	08/18/2009 13:38	1	TAL HOU	MPT
A:8151A	560-16840-F-4-A		600-19668	600-19514	08/20/2009 23:44	1	TAL HOU	KP
P:TX_1005_S_Prep	560-16840-D-4-A		560-39205	560-39076	08/21/2009 10:32	1	TAL CC	BM
A:TX 1005	560-16840-D-4-A		560-39205	560-39076	08/22/2009 00:48	1	TAL CC	BC
P:3050B	560-16840-A-4-A		560-38922	560-38885	08/17/2009 10:00	1	TAL CC	SRF
A:6020	560-16840-A-4-A		560-38922	560-38885	08/17/2009 18:18	1	TAL CC	JEM
P:7471A	560-16840-A-4-C		560-39105	560-39100	08/21/2009 08:00	1	TAL CC	JEM
A:7471A	560-16840-A-4-C		560-39105	560-39100	08/21/2009 13:33	1	TAL CC	JEM
A:Moisture	560-16840-A-4		560-38945		08/18/2009 12:00	1	TAL CC	SG

Lab ID: **560-16840-4 MS** **Client ID:** **LF-North Stockpile**

Sample Date/Time: 08/14/2009 16:45 Received Date/Time: 08/15/2009 14:51

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8151A	560-16840-F-4-B MS		600-19668	600-19514	08/18/2009 13:38	1	TAL HOU	MPT
A:8151A	560-16840-F-4-B MS		600-19668	600-19514	08/21/2009 00:12	1	TAL HOU	KP

Lab ID: **560-16840-4 MSD** **Client ID:** **LF-North Stockpile**

Sample Date/Time: 08/14/2009 16:45 Received Date/Time: 08/15/2009 14:51

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8151A	560-16840-F-4-C MSD		600-19668	600-19514	08/18/2009 13:38	1	TAL HOU	MPT
A:8151A	560-16840-F-4-C MSD		600-19668	600-19514	08/21/2009 00:40	1	TAL HOU	KP

Lab ID: **560-16840-5** **Client ID:** **Trip Blank**

Sample Date/Time: 08/14/2009 00:00 Received Date/Time: 08/15/2009 14:51

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	560-16840-A-5		560-38897		08/18/2009 00:38	1	TAL CC	SG
A:8260B	560-16840-A-5		560-38897		08/18/2009 00:38	1	TAL CC	SG

Client: ARGO Systems LLC

Job Number: 560-16840-1

Laboratory Chronicle

Lab ID: **MB** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 560-38897/8		560-38897		08/17/2009 17:38	1	TAL CC	SG
A:8260B	MB 560-38897/8		560-38897		08/17/2009 17:38	1	TAL CC	SG
P:5035	MB 560-38935/2-A		560-38924	560-38935	08/18/2009 08:00	1	TAL CC	KRM
A:8260B	MB 560-38935/2-A		560-38924	560-38935	08/18/2009 11:27	1	TAL CC	KRM
P:5035	MB 560-38974/2-A		560-38967	560-38974	08/19/2009 08:30	1	TAL CC	KRM
A:8260B	MB 560-38974/2-A		560-38967	560-38974	08/19/2009 12:16	1	TAL CC	KRM
P:3550B	MB 560-38973/1-A		560-39035	560-38973	08/19/2009 10:00	1	TAL CC	AY
A:8270C	MB 560-38973/1-A		560-39035	560-38973	08/20/2009 13:52	1	TAL CC	GEF
P:3550B	MB 560-39074/1-A		560-39184	560-39074	08/21/2009 10:00	1	TAL CC	AY
A:8081B	MB 560-39074/1-A		560-39184	560-39074	08/25/2009 11:59	1	TAL CC	RH
P:8151A	MB 600-19514/1-A		600-19668	600-19514	08/18/2009 13:38	1	TAL HOU	MPT
A:8151A	MB 600-19514/1-A		600-19668	600-19514	08/20/2009 16:11	1	TAL HOU	KP
P:TX_1005_S_Prep	MB 560-39076/1-A		560-39205	560-39076	08/21/2009 10:32	1	TAL CC	BM
A:TX 1005	MB 560-39076/1-A		560-39205	560-39076	08/21/2009 20:57	1	TAL CC	BC
P:3050B	MB 560-38885/1-A		560-38922	560-38885	08/17/2009 10:00	1	TAL CC	SRF
A:6020	MB 560-38885/1-A		560-38922	560-38885	08/17/2009 16:59	1	TAL CC	JEM
P:3050B	MB 560-38885/1-A		560-38968	560-38885	08/17/2009 10:00	1	TAL CC	SRF
A:6020	MB 560-38885/1-A		560-38968	560-38885	08/18/2009 14:21	1	TAL CC	JEM
P:7471A	MB 560-39100/4-A		560-39105	560-39100	08/21/2009 08:00	1	TAL CC	JEM
A:7471A	MB 560-39100/4-A		560-39105	560-39100	08/21/2009 12:33	1	TAL CC	JEM

Client: ARGO Systems LLC

Job Number: 560-16840-1

Laboratory Chronicle

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 560-38897/3		560-38897		08/17/2009 15:35	1	TAL CC	SG
A:8260B	LCS 560-38897/3		560-38897		08/17/2009 15:35	1	TAL CC	SG
P:5035	LCS 560-38935/1-A		560-38924	560-38935	08/18/2009 08:00	1	TAL CC	KRM
A:8260B	LCS 560-38935/1-A		560-38924	560-38935	08/18/2009 09:19	1	TAL CC	KRM
P:5035	LCS 560-38974/1-A		560-38967	560-38974	08/19/2009 08:30	1	TAL CC	KRM
A:8260B	LCS 560-38974/1-A		560-38967	560-38974	08/19/2009 10:02	1	TAL CC	KRM
P:3550B	LCS 560-38973/2-A		560-39035	560-38973	08/19/2009 10:00	1	TAL CC	AY
A:8270C	LCS 560-38973/2-A		560-39035	560-38973	08/20/2009 14:19	1	TAL CC	GEF
P:3550B	LCS 560-39074/2-A		560-39184	560-39074	08/21/2009 10:00	1	TAL CC	AY
A:8081B	LCS 560-39074/2-A		560-39184	560-39074	08/25/2009 12:22	1	TAL CC	RH
P:3550B	LCS 560-39074/3-A		560-39184	560-39074	08/21/2009 10:00	1	TAL CC	AY
A:8081B	LCS 560-39074/3-A		560-39184	560-39074	08/25/2009 12:46	1	TAL CC	RH
P:3550B	LCS 560-39074/4-A		560-39184	560-39074	08/21/2009 10:00	1	TAL CC	AY
A:8081B	LCS 560-39074/4-A		560-39184	560-39074	08/25/2009 13:09	1	TAL CC	RH
P:8151A	LCS 600-19514/2-A		600-19668	600-19514	08/18/2009 13:38	1	TAL HOU	MPT
A:8151A	LCS 600-19514/2-A		600-19668	600-19514	08/20/2009 16:39	1	TAL HOU	KP
P:TX_1005_S_Prep	LCS 560-39076/2-A		560-39205	560-39076	08/21/2009 10:32	1	TAL CC	BM
A:TX 1005	LCS 560-39076/2-A		560-39205	560-39076	08/21/2009 21:05	1	TAL CC	BC
P:3050B	LCS 560-38885/2-A		560-38922	560-38885	08/17/2009 10:00	1	TAL CC	SRF
A:6020	LCS 560-38885/2-A		560-38922	560-38885	08/17/2009 17:05	1	TAL CC	JEM
P:3050B	LCS 560-38885/2-A		560-38968	560-38885	08/17/2009 10:00	1	TAL CC	SRF
A:6020	LCS 560-38885/2-A		560-38968	560-38885	08/18/2009 14:27	1	TAL CC	JEM
P:7471A	LCS 560-39100/5-A		560-39105	560-39100	08/21/2009 08:00	1	TAL CC	JEM
A:7471A	LCS 560-39100/5-A		560-39105	560-39100	08/21/2009 12:35	1	TAL CC	JEM

Lab ID: **LCSD** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:TX_1005_S_Prep	LCSD 560-39076/3-A		560-39205	560-39076	08/21/2009 10:32	1	TAL CC	BM
A:TX 1005	LCSD 560-39076/3-A		560-39205	560-39076	08/21/2009 21:14	1	TAL CC	BC

Lab References:

TAL CC = TestAmerica Corpus Christi

TAL HOU = TestAmerica Houston

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

- [ ] TestAmerica Austin - 14500 Summit Drive, A-100 Austin, Texas 78728
- [ ] TestAmerica Houston - 6310 Rothway Street, Houston, Texas 77040
- [ ] TestAmerica Savannah - 5102 LaRoche Avenue, Savannah, GA 31404
- [x] TestAmerica Corpus Christi - 1733 NPID, Corpus Christi, Texas 78408
- [ ] TestAmerica Nashville - 2960 Foster Creighton Dr., Nashville, TN 37204
- [ ] Other _____

5.9°C IR5
On ice
Cooler #4

1684D

Customer Information		Project Information		Analyses / Method Requested
P.O.	Project # 1462303	Project Name	EPA RFO-20 Weslaco, TX	A. VOCs (8260B)
W.O.		Lab Number		B. SVOCs (8270C)
Company	EA Engineering	Bill To	Argo Systems	C. Pesticides (8081A)
Send Report To:	MARK PADDOCK	Invoice Attn	Dick Roop	D. Herbicides (8151A)
Address:	405 S. Hwy 121 Building C Suite 100	Address:	1403 Madison Park Drive, Suite 205	E. TPH (TX1005)
				F. Metals (RCRA8 w/ mercury (6020)
City/State/Zip	Lewisville, Texas 75067	City/State/Zip	Glen Bernie MD, 21061	G.
Phone	972-315-3922	Phone	1-410-768-5916	H.
Fax	972-315-5181	Fax		I.

Sx No.	Sample Description	Sample Date	Sample Time	Sample Matrix	Container Type	Preservative	No. of Bottles	A	B	C	D	E	F	G	H	I	J	K	L	Comments
1	LF-Central Stockpile	8-14-09	16:20	S	VOA 40z 8oz	—	6	X	X	X	X	X	X							
2	LF-Central Stockpile-Dup	8-14-09	16:30	S	VOA 40z 8oz	—	6	X	X	X	X	X	X							
3	LF-West Stockpile	8-14-09	16:40	S	VOA 40z 8oz	—	6	X	X	X	X	X	X							
4	LF-North Stockpile	8-14-09	16:45	S	VOA 40z 8oz	—	6	X	X	X	X	X	X							
5	Trip Blank	8-7-09		W	VOA	HCl	2	X												
6																				
7																				
8																				
9																				
10																				

Shipment Method: Hand Delivery
Airbill No.:
Required Turnaround: Standard

Relinquished by: [signature]	Date 8-15-09	Relinquished by:	Date	Relinquished by:	Date
Company Name: EA Engineering	Time 1450	Company Name:	Time	Company Name:	Time
Received by: Julie Barrow	Date 8/15/09	Received by:	Date	Received by:	Date
Company Name: TAL CC	Time 1451	Company Name:	Time	Company Name:	Time

Login Sample Receipt Check List

Client: ARGO Systems LLC

Job Number: 560-16840-1

Login Number: 16840

List Source: TestAmerica Corpus Christi

Creator: Darrow, Julie

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.9C IR 5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

Login Sample Receipt Check List

Client: ARGO Systems LLC

Job Number: 560-16840-1

Login Number: 16840
Creator: Trenery, Michael J
List Number: 1

List Source: TestAmerica Houston
List Creation: 08/18/09 09:40 AM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

Raba Kistner

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800 E. Hackberry
McAllen, Texas 78501
(956) 682-5332 • FAX (956) 682-5487
www.rkci.com

Project No. ASF09-143-00
August 31, 2009

Mr. Robert D. Roop, Project Director
ARGO SYSTEMS, LLC
1403 Madison Park Drive, Suite 205
Glen Burnie, Maryland 21061

RE: Asbestos Containing Materials Survey
Old City of Weslaco Warehouse Building, Former Public Facilities Building
306 South Bridge Street
Weslaco, Texas

Dear Mr. Roop:

Raba-Kistner Consultants, Inc. (R-K) is pleased to forward the Asbestos Survey Report for the above-referenced location. The purpose of the survey was to locate asbestos containing material located in the old City of Weslaco Warehouse, formerly known as the Public Facilities Building located at 306 S. Bride in Weslaco, Texas.

Should you have questions regarding this report or require additional information, please contact our office at your convenience.

Thank you for using **R-K** as your environmental consultant on this project. We appreciate the opportunity to be of service to you.

Very truly yours,

RABA-KISTNER CONSULTANTS, INC.

Álvaro Gurrola
Asbestos Inspector
License No. 205447

Michael P. Cosgrove
Asbestos Project Manager
TDH License No. 105473

AG/MPC/srw

Attachments

Copies Submitted: Above (2)

Note: Data specifically relating to samples collected from the south landfill parcel are highlighted yellow

ASBESTOS CONTAINING MATERIALS SURVEY

For

OLD CITY OF WESLACO WAREHOUSE BUILDING
FORMER PUBLIC FACILITIES BUILDING
306 SOUTH BRIDGE STREET
WESLACO, TEXAS

Prepared for

ARGO SYSTEMS, LLC
Glen Burnie, Maryland

Prepared by

RABA-KISTNER CONSULTANTS, INC.
McAllen, Texas

PROJECT NO. ASF09-143-00

August 2009

Raba-Kistner

Project No. ASF09-143-00
August 31, 2009

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PURPOSE AND SCOPE OF WORK

Raba-Kistner Consultants, Inc. (R-K) was retained by Mr. Richard Roop, Project Manager with ARGO SYSTEMS, LLC (CLIENT), to conduct an asbestos containing materials survey of the old City of Weslaco warehouse building, formerly the Public Works Facilities structure located at 306 S. Bridge Street in Weslaco, Texas. The survey was conducted from August 10 through 12, 2009 by Mr. Alvaro Gurrola, Texas Department of State Health Services Inspector's License #205447.

It should be noted that during its prime, asbestos was used in over 3000 different products and can still be found in some today. Attempts to locate and identify "all" asbestos was beyond the scope of this survey. Consequently, there may be materials and/or areas containing asbestos or other hazardous materials, which were inaccessible and require destructive sampling techniques to access.

SURVEY METHODOLOGY

Asbestos

R-K's sampling strategy was to locate suspect homogeneous materials in the commercial structure located at 306 S. Bridge Street in Weslaco, Texas and collect bulk samples of the suspect material for laboratory analysis for asbestos content. The term "homogeneous," as defined by EPA 40 CFR Part 763, means any material having the same color and texture and having been installed in the same general time period. The homogeneous materials were then assessed in terms of friability, category and condition. The term "friable," as defined by EPA, means a material that when dry can be reduced to a powder using hand pressure. Prior to the collection of each bulk sample, any friable materials were properly wetted, and then all samples were carefully removed, and placed in small, self-locking containers. The containers were wiped, sealed, and labeled for transport to the laboratory. The Material Sampling Log is presented in *Attachment B*.

All samples were submitted for analysis to EMC Labs, Inc., which is accredited by the National Voluntary Accreditation Program (NVLAP) and licensed by the Texas Department of State Health and Services (TDSHS), formerly the Texas Department of Health, under License No. 30-0094. The bulk samples were analyzed by Polarized Light Microscopy (PLM) coupled with Dispersion Staining in accordance with the EPA method outlined in 40 CFR Part 763, Subpart F, Appendix A for determining asbestos in bulk samples. A copy of the laboratory analyses is presented in *Attachment C*.

SURVEY RESULTS

Positive Asbestos Samples

The EPA 40 CFR Part 763 defines ACM as any material or product that contains more than one percent asbestos. Based on the report of analyses, the below-mentioned material was tested and determined to be **Positive for asbestos content and are classified as Asbestos Containing Material:**

Old City of Weslaco Warehouse Building

- 12"X12" Floor Tile, (beige/brown) **southeast rooms (2) of Public Works Facilities** – 5% Chrysotile, approximately 400 square feet

- Flashing Mastic, (gray/black) **on Roof vent windows (5) perimeter** – 5% Chrysotile, approximately 80 square feet

- Cemented Fibers Pipes, (gray) **along southeast berm of industrial water retention pond** (northeast of City of Weslaco waste water treatment plant) – 10% to 15% Chrysotile and 5% Crocidolite, approximately 60 linear feet

Negative Asbestos Samples

The EPA 40 CFR Part 763 defines ACM as any material or product that contains more than one percent asbestos. Based on the report of analyses, the below-mentioned materials were tested and are **negative for asbestos**:

Old City of Weslaco Warehouse Building

- 12"X12" Floor Tile, tan, white, beige, brown, white, off-white & Lt. purple
- Mastic, tan
- Wallboard, white & brown
- Joint Compound, white
- Wall Texture, white
- 12"X12" Ceiling Tile, white/brown (several patterns)
- 2'X4' Ceiling tile, white/brown & white/beige
- Leveling Compound, white
- Wall Tape, white
- Ceiling Texture, white & off-white
- 4'X8' Cemented Panels, gray
- Carpet Mastics, yellow & light yellow
- AC Duct Joint Mastic, gray
- AC Duct Insulation, yellow
- AC Duct Wrap, silver/brown
- Asphalt Shingles, brown, orange & black
- Asphalt felt Roofing Paper, black & gray
- Roofing Mastic, black

North Shop Building

- 12"X12" Floor Tile, tan, white
- 12"X12" Ceiling Tile, white/brown

RECOMMENDATIONS

Currently, there are no regulations that require the removal or abatement of the ACM identified in this report unless the material would otherwise be disturbed by demolition, renovation, remodeling, or maintenance activities. Therefore, prior to any renovation activity of the subject areas within the subject building, the owner should consult with a licensed Individual Asbestos Consultant to discuss abatement options. A fully completed Renovation/Demolition Notification Form must be submitted to the Texas Department of State Health Services (TDSHS) at least ten (10) working days prior to such activity, including any asbestos abatement activities.

Please be advised that mandatory notification is required in accordance with section 295.61 of the Texas Asbestos Health Protection Act Rules (March 2003) for any demolition of a facility or public building, whether or not asbestos has been identified. Written notification must be postmarked at least 10 working days before the demolition begins. This notification shall be submitted on a form specified by the Texas Department of Health. Responsibility for proper notification is the facility owner and / or operator.

In the interim, personnel should be informed not to disturb these materials and include procedures to follow when these materials are anticipated to be impacted.

ATTACHMENTS

ATTACHMENT A

INVENTORY OF HOMOGENOUS MATERIALS

CITY OF WESLACO

INVENTORY OF HOMOGENEOUS MATERIALS

PROJECT NO: ASF09-143-00

ADDRESS: 306 S. Bridge, Weslaco Texas 78596

BLDG OR AREA: City of Weslaco Warehouse

INSPECTED BY:

FIRM: Raba Kistner

INSPECTOR: Alvaro Gurrola

NUMBER: 205447

SIGNATURE:

DATE INSPECTED: 8-10-09 thru 8-12-09 **PAGE 1**

HOMOGENEOUS MATERIAL				FUNCTIONAL SPACES		MATERIAL TO BE	TOTAL AMOUNT OF MATERIAL		SAMPLE RESULTS		
Sample Number	DESCRIPTION OF MATERIAL	MTL TYPE	ROOM NUMB	USE OF SPACE OR SPACE NAME					% ASB	TYPE OF ASBESTOS	COMMENTS
1	A: 12"X12" floor tile, tan w/ brown specks B: Mastic, yellow	X SURFACE THERMAL MISC I MISC II	Shop Meter room	Interior floors		X SAMPLED ASSUMED		LIN FT SQ FT			
4	Mastic, tan	X SURFACE THERMAL MISC I MISC II	Shop Meter room	Interior walls		X SAMPLED ASSUMED		LIN FT SQ FT			
7	A: Wallboard, white/gray B: Texture, white	X SURFACE THERMAL MISC I MISC II	Shop Meter room	Interior walls		X SAMPLED ASSUMED		LIN FT SQ FT			
10	A: 12"X12" floor tile, white w/ gray specks B: Mastic, yellow	X SURFACE THERMAL MISC I MISC II	Shop Meter room	Exterior doors		X SAMPLED ASSUMED		LIN FT SQ FT			
13	A: 12"X12" floor tile, beige/brown B: Mastic, yellow C: Mastic, yellow	SURFACE X THERMAL MISC I MISC II	Public Facilitie area	Interior floors		X SAMPLED ASSUMED	400	LIN FT X SQ FT	5%	Chrysotile	ACM floor tile is underlying in both rooms
16	A: 12"X12" floor tile, white w/black specks B: Mastic, yellow	X SURFACE THERMAL MISC I MISC II	Public Facilitie area	Interior floors		X SAMPLED ASSUMED		LIN FT SQ FT			
19	A: 12"X12" floor tile, off-white w/black spec B: Mastic, yellow	SURFACE THERMAL MISC I MISC II	Public Facilities area	Interior floors		X SAMPLED ASSUMED		LIN FT SQ FT			
22	Carpet Mastic, yellow	SURFACE THERMAL MISC I MISC II	Public Facilities area	Interior floors		X SAMPLED ASSUMED		LIN FT SQ FT			
25	12"X12" Ceiling Tile, white/brown w lined in	SURFACE THERMAL MISC I MISC II	Public Facilities area	Interior ceiling		X SAMPLED ASSUMED		LIN FT SQ FT			
28	12"X12" Ceiling Tile, white/brown w cracke	SURFACE THERMAL MISC I MISC II	Public Facilities area	Interior ceiling		X SAMPLED ASSUMED		LIN FT SQ FT			

FORM ASB 40.02/050793

CITY OF WESLACO

INVENTORY OF HOMOGENEOUS MATERIALS

PROJECT NO: ASF09-143-00

ADDRESS: 306 S. Bridge, Weslaco Texas 78596

BLDG OR AREA: City of Weslaco Warehouse

INSPECTED BY:

FIRM: Raba Kistner

INSPECTOR: Alvaro Gurrola

NUMBER: 205447

SIGNATURE:

DATE INSPECTED: 8-10-09 thru 8-12-09

PAGE 2

HOMOGENEOUS MATERIAL			FUNCTIONAL SPACES		MATERIAL TO BE	TOTAL AMOUNT OF MATERIAL	SAMPLE RESULTS		COMMENTS
Sample Number	DESCRIPTION OF MATERIAL	MTL TYPE	ROOM NUMB	USE OF SPACE OR SPACE NAME			% ASB	TYPE OF ASBESTOS	
31	12"X12" Ceiling Tile, white/brown w cracked & holes features	SURFACE THERMAL X MISC I MISC II	Office	Interior floors	X SAMPLED ASSUMED	LIN FT SQ FT			
34	Wallboard, white	SURFACE THERMAL X MISC I MISC II	Office	Interior walls	X SAMPLED ASSUMED	LIN FT SQ FT			
37	A:2'X4' Ceiling Tile, white/brown w cracked & holes features	SURFACE THERMAL X MISC I MISC II	Office	Interior ceiling	X SAMPLED ASSUMED	LIN FT SQ FT			
40	A: 12"X12" floor tile, tan w/brown specks B: Mastic, yellow C: Leveling Compound, white	SURFACE THERMAL X MISC I MISC II	Office	Interior floors	X SAMPLED ASSUMED	LIN FT SQ FT			
43	A: Wallboard, white B: Tape, white C: Joint Compound, white D: Texture, white	SURFACE THERMAL X MISC I MISC II	Office	Interior walls Former Parks & Recreation office	X SAMPLED ASSUMED	LIN FT SQ FT			
46	A: Wallboard, white B: Joint Compound, white C: Texture, white	SURFACE THERMAL X MISC I MISC II	Office	Interior walls Former Parks & Recreation office	X SAMPLED ASSUMED	LIN FT SQ FT			
49	Ceiling Texture, course, white	X SURFACE THERMAL MISC I MISC II	Office	Interior ceiling Former Parks & Recreation office	X SAMPLED ASSUMED	LIN FT SQ FT			
52	4'X8' cemented fibers Panel siding, gray	SURFACE THERMAL X MISC I MISC II	Office	Exterior walls Former Parks & Recreation office	X SAMPLED ASSUMED	LIN FT SQ FT			
55	A: 12"X12" floor tile, tan w/brown specks B: Mastic, yellow	SURFACE THERMAL X MISC I MISC II	Office	Interior floors Former Parks & Recreation office	X SAMPLED ASSUMED	LIN FT SQ FT			
58	A: 12"X12" floor tile, off-white w/gray speck B: Mastic, yellow	SURFACE THERMAL X MISC I MISC II	Office	Interior floors Former Parks & Recreation office	X SAMPLED ASSUMED	LIN FT SQ FT			

FORM ASB 40.02/050793

CITY OF WESLACO

INVENTORY OF HOMOGENEOUS MATERIALS

PROJECT NO: ASF09-143-00
ADDRESS: 306 S. Bridge, Weslaco Texas 78596
BLDG OR AREA: City of Weslaco Warehouse

INSPECTED BY:
FIRM: Raba Kistner
INSPECTOR: Alvaro Gurrola
NUMBER: 205447
SIGNATURE:
DATE INSPECTED: 8-10-09 thru 8-12-09

HOMOGENEOUS MATERIAL			FUNCTIONAL SPACES		MATERIAL TO BE	TOTAL AMOUNT OF MATERIAL	SAMPLE RESULTS		
Sample Number	DESCRIPTION OF MATERIAL	MTL TYPE	ROOM NUMB	USE OF SPACE OR SPACE NAME			% ASB	TYPE OF ASBESTOS	COMMENTS
61	Ceiling Texture, off-white	SURFACE X THERMAL MISC I MISC II		Interior ceiling/ NW Office	x SAMPLED ASSUMED	LIN FT SQ FT			
64	A: 12"X12" floor tile, beige w/ white/brown specks B: Mastic, yellow	SURFACE THERMAL X MISC I MISC II		Interior floors NW Office	x SAMPLED ASSUMED	LIN FT SQ FT			
67	A: 12"X12" floor tile, white w/ brown streaks B: Mastic, yellow	SURFACE THERMAL X MISC I MISC II		Interior floors South Room #4	x SAMPLED ASSUMED	LIN FT SQ FT			
70	A: 12"X12" floor tile, off-white w/gray specks B: Mastic, yellow	SURFACE THERMAL X MISC I MISC II		Interior floors South Room #6	x SAMPLED ASSUMED	LIN FT SQ FT			
73	A: 12"X12" floor tile, Lt. purple w/purple specks B: Mastic, yellow C: Texture, white	SURFACE THERMAL X MISC I MISC II		Interior floors South Room #7	x SAMPLED ASSUMED	LIN FT SQ FT			
76	Carpet Mastic, yellow	SURFACE THERMAL X MISC I MISC II		Interior floors South Room #7	x SAMPLED ASSUMED	LIN FT SQ FT			
79	A: 12"X12" floor tile, off-white w/blue/purple specks B: Mastic, yellow	SURFACE THERMAL X MISC I MISC II		Interior floors South Room #8	x SAMPLED ASSUMED	LIN FT SQ FT			
82	Ceiling Tile, white/brown w/ semi arch patterns	SURFACE THERMAL X MISC I MISC II		Interior ceiling South Room #8	x SAMPLED ASSUMED	LIN FT SQ FT			
85	A: 12"X12" floor tile, beige B: yellow& black, yellow	SURFACE THERMAL X MISC I MISC II		Interior floors South Room #8	x SAMPLED ASSUMED	LIN FT SQ FT			
88	A: 12"X12" floor tile, off-white w/ brown/gray/purple specks B: Mastic, yellow	SURFACE THERMAL X MISC I MISC II		Interior floors Concrete Block Office - Plans room	x SAMPLED ASSUMED	LIN FT SQ FT			

CITY OF WESLACO

INVENTORY OF HOMOGENEOUS MATERIALS

PROJECT NO: ASF09-143-00
ADDRESS: 306 S. Bridge, Weslaco Texas 78596
BLDG OR AREA: City of Weslaco Warehouse

INSPECTED BY:
FIRM: Raba Kistner
INSPECTOR: Alvaro Gurrola
NUMBER: 205447
SIGNATURE:
DATE INSPECTED: 8-10-09 thru 8-12-09

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HOMOGENEOUS MATERIAL			FUNCTIONAL SPACES		MATERIAL TO BE	TOTAL AMOUNT OF MATERIAL	SAMPLE RESULTS		
Sample Number	DESCRIPTION OF MATERIAL	MTL TYPE	ROOM NUMB	USE OF SPACE OR SPACE NAME			% ASB	TYPE OF ASBESTOS	COMMENTS
91	2'X4' Ceiling Tile, white/beige	SURFACE THERMAL X MISC I MISC II		Interior ceiling Concrete Block Office - Plans room	X SAMPLED ASSUMED	LIN FT SQ FT			
94	A: Mastic, gray B: AC Duct Insulation, yellow C: AC Duct Joint Wrap, silver/brown	SURFACE X THERMAL MISC I MISC II		Interior walls/ceiling Concrete Block Office - Plans room	X SAMPLED ASSUMED	LIN FT SQ FT			
97	Covebase Mastic, yellow	SURFACE THERMAL X MISC I MISC II		Interior ceiling Concrete Block Office - Plans room	X SAMPLED ASSUMED	LIN FT SQ FT			
100	A: 12"X12" floor tile, off-white w/gray specks B: Mastic, yellow	SURFACE THERMAL X MISC I MISC II		Interior floors Mechanic's office	X SAMPLED ASSUMED	LIN FT SQ FT			
103	A: 12"X12" floor tile, beige w/ tan/brown specks B: Mastic, yellow C: Texture, white	SURFACE THERMAL X MISC I MISC II		Interior floors Mechanic's office	X SAMPLED ASSUMED	LIN FT SQ FT			
106	A: Wallboard, white/brown B: Joint Compound, white C: Texture, white	SURFACE THERMAL X MISC I MISC II		Interior walls 2nd Story, Engineering Dept. office	X SAMPLED ASSUMED	LIN FT SQ FT			
109	A: 12"X12" floor tile, beige/tan B: Mastic, yellow	SURFACE THERMAL X MISC I MISC II		Interior floors 2nd Story, Engineering Dept. office	X SAMPLED ASSUMED	LIN FT SQ FT			
112	A: Wallboard, white/brown B: Texture, tan	SURFACE THERMAL X MISC I MISC II		Exterior walls 2nd Story, SE rooms, two	X SAMPLED ASSUMED	LIN FT SQ FT			
115	A: 12"X12" floor tile, white/tan B: Mastic, yellow	SURFACE THERMAL X MISC I MISC II		Interior floors North Bldg. - Mechanic's office	X SAMPLED ASSUMED	LIN FT SQ FT			
118	12"X12" ceiling tile, white/brown	SURFACE THERMAL X MISC I MISC II		Interior floors North Bldg. - Mechanic's office	X SAMPLED ASSUMED	LIN FT SQ FT			

FORM ASB 40.02/050793

CITY OF WESLACO

INVENTORY OF HOMOGENEOUS MATERIALS

PROJECT NO: ASF09-143-00

ADDRESS: 306 S. Bridge, Weslaco Texas 78596

BLDG OR AREA: City of Weslaco Warehouse

INSPECTED BY:

FIRM: Raba Kistner

INSPECTOR: Alvaro Gurrola

NUMBER: 600794

SIGNATURE:

DATE INSPECTED: 8-10-09 thru 8-12-09

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HOMOGENEOUS MATERIAL				FUNCTIONAL SPACES		MATERIAL TO BE		TOTAL AMOUNT OF MATERIAL		SAMPLE RESULTS		
Sample Number	DESCRIPTION OF MATERIAL		MTL TYPE	ROOM NUMB	USE OF SPACE OR SPACE NAME					% ASB	TYPE OF ASBESTOS	COMMENTS
121	Asphalt Shingles, brown/orange/black		SURFACE	Roof		X	SAMPLED		LIN FT			
			THERMAL		Exterior Roof		ASSUMED		SQ FT			
		X	MISC I		North Public Works Office roof							
			MISC II									
124	A: Roof Mastic, black/silver		SURFACE	Roof		X	SAMPLED		LIN FT			
	B: Felt Roll Paper, black	X	THERMAL		Exterior Roof		ASSUMED		SQ FT			
	C: Felt Paper, black		MISC I		Meter Shop Roof							
	D: Mastic, black		MISC II									
127	A: Roofing Roll Paper, gray		SURFACE	Roof		X	SAMPLED		LIN FT			
	B: Mastic, black		THERMAL		Exterior Roof		ASSUMED		SQ FT			
	C: Roofing Roll Paper, black	X	MISC I		Mid and main roof							
	D: Asphalt Felt, black		MISC II									
130	A: Flashing Mastic, gray/black		SURFACE	Roof		X	SAMPLED		LIN FT			5 Window Roof Vents
			THERMAL		Exterior Roof		ASSUMED	80	X SQ FT	10%	Chrysotile	
	B: Mastic, black	X	MISC I		Large Roof							
			MISC II									
133	8" cemented fibers pipe, gray		SURFACE	Roof		X	SAMPLED	60	X LIN FT	10%	Chrysotile	
			THERMAL		Exterior Berm Area		ASSUMED		SQ FT	5	Crocidolite	There may be additional ACM buried pipes.
		X	MISC I		Ponds Berm - southeast area							
			MISC II									
			SURFACE			X	SAMPLED		LIN FT			
			THERMAL				ASSUMED		SQ FT			
			MISC I									
			MISC II									
			SURFACE			X	SAMPLED		LIN FT			
			THERMAL				ASSUMED		SQ FT			
			MISC I									
			MISC II									
			SURFACE			X	SAMPLED		LIN FT			
			THERMAL				ASSUMED		SQ FT			
			MISC I									
			MISC II									
			SURFACE			X	SAMPLED		LIN FT			
			THERMAL				ASSUMED		SQ FT			
			MISC I									
			MISC II									
			SURFACE			X	SAMPLED		LIN FT			
			THERMAL				ASSUMED		SQ FT			
			MISC I									
			MISC II									

FORM ASB 40.02/050793

ATTACHMENT B

MATERIAL SAMPLING LOG

MATERIAL SAMPLING LOG

PROJECT NO.: ASF09-143-00

SAMPLED BY: Al Gurrola

CLIENT: ARGO SYSTEMS, LLC

LICENSE NO.: 205447

Old City of Weslaco Warehouse Building, Former Public Facilities Building, 306 South Bridge Street, Weslaco, Texas

DATE	SAMPLE NO.	SAMPLE LOCATION	MATERIAL SAMPLED	CATEGORY	CONDITION	RESULTS
8-10-09	1	NE Shop Meter Office Room	A: 12"X12" floor tile, tan w/ brown specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-10-09	2	NE Shop Meter Office Room	A: 12"X12" floor tile, tan w/ brown specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-10-09	3	NE Shop Meter Office Room	A: 12"X12" floor tile, tan w/ brown specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-10-09	4	NE Shop Meter Office Room (on wood paneling)	Mastic, tan	M	ND	None Detected
8-10-09	5	NE Shop Meter Office Room (on wood paneling)	Mastic, tan	M	ND	None Detected
8-10-09	6	NE Shop Meter Office Room (on wood paneling)	Mastic, tan	M	ND	None Detected
8-10-09	7	NE Shop Meter Office Room	A: Wallboard, white/gray B: Texture, white	M	ND	A: None Detected B: None Detected
8-10-09	8	NE Shop Meter Office Room	A: Wallboard, white/gray B: Texture, white	M	ND	A: None Detected B: None Detected
8-10-09	9	NE Shop Meter Office Room	A: Wallboard, white/gray B: Texture, white	M	ND	A: None Detected B: None Detected
8-10-09	10	Building Maintenance Office NE section of Public Facilities office area.	A: 12"X12" floor tile, white w/ gray specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-10-09	11	East Office – room 401 - Public Facilities office area.	A: 12"X12" floor tile, white w/ gray specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-10-09	12	Traffic Street Office (#309) Public Facilities office area.	A: 12"X12" floor tile, white w/ gray specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-10-09	13	Traffic Street Office (#309) Public Facilities office area. ***UNDERLYING***	A: 12"X12" floor tile, beige/brown B: Mastic, yellow C: Mastic, yellow	M	ND	**A: 5% Chrysotile** B: None Detected C: None Detected

Raba-Kistner

DATE	SAMPLE NO.	SAMPLE LOCATION	MATERIAL SAMPLED	CATEGORY	CONDITION	RESULTS
8-10-09	14	Public Facilities office area – east office of entrance/lobby ***UNDERLYING***	A: 12"X12" floor tile, beige/brown B: Mastic, yellow C: Mastic, yellow	M	ND	**A: 5% Chrysotile** B: None Detected C: None Detected
8-10-09	15	Public Facilities office area – east office of entrance/lobby ***UNDERLYING***	A: 12"X12" floor tile, beige/brown B: Mastic, yellow C: Mastic, yellow	M	ND	**A: 5% Chrysotile** B: None Detected C: None Detected
8-10-09	16	Public Facilities office area/lobby, south entrance	A: 12"X12" floor tile, white w/black specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-10-09	17	Public Facilities office area/lobby, south entrance	A: 12"X12" floor tile, white w/black specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-10-09	18	Public Facilities office area/lobby, south entrance	A: 12"X12" floor tile, white w/black specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-10-09	19	Women restroom in Public Facilities office area	A: 12"X12" floor tile, off-white w/black specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-10-09	20	North Hall to Public Facilities office area	A: 12"X12" floor tile, off-white w/black specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-10-09	21	Large restroom on east side of Public Works Facility office area	A: 12"X12" floor tile, off-white w/black specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-10-09	22	Public Works Facility office area – SW office	Carpet Mastic, yellow	M	ND	None Detected
8-10-09	23	Public Works Facility office area – NW office	Carpet Mastic, yellow	M	ND	None Detected
8-10-09	24	Public Works Facility office area – north office	Carpet Mastic, yellow	M	ND	None Detected
8-10-09	25	Public Works Facility office – Lobby area	12"X12" Ceiling Tile, white/brown w lined indention patterns	M	SD	None Detected
8-10-09	26	Public Works Facility office – Lobby area	12"X12" Ceiling Tile, white/brown w lined indention patterns	M	SD	None Detected
8-10-09	27	Public Works Facility office – Lobby area	12"X12" Ceiling Tile, white/brown w lined indention patterns	M	SD	None Detected
8-10-09	28	Public Works Facility office – Lobby area	12"X12" Ceiling Tile, white/brown w cracked indention patterns	M	SD	None Detected
8-10-09	29	Public Works Facility office – Lobby area	12"X12" Ceiling Tile, white/beige w cracked indention patterns	M	SD	None Detected

DATE	SAMPLE NO.	SAMPLE LOCATION	MATERIAL SAMPLED	CATEGORY	CONDITION	RESULTS
8-10-09	30	Public Works Facility office – Lobby area	12"X12" Ceiling Tile, white/brown w cracked indention patterns	M	SD	None Detected
8-10-09	31	Public Works Facility office – Lobby area	12"X12" Ceiling Tile, white/brown w cracked & holes features	M	ND	None Detected
8-10-09	32	Public Works Facility office – Lobby area	12"X12" Ceiling Tile, white/brown w cracked & holes features	M	ND	None Detected
8-10-09	33	Public Works Facility office – Lobby area	12"X12" Ceiling Tile, white/brown w cracked & holes features	M	ND	None Detected
	34	Public Works Facility office – Office areas	Wallboard, white	M	ND	None Detected
	35	Public Works Facility office – Office areas	Wallboard, white	M	ND	None Detected
	36	Public Works Facility office – Office areas	Wallboard, white	M	ND	None Detected
8-11-09	37	Public Works Facility office – north and west office areas	2'X4' Ceiling Tile, white/brown w cracked & holes features	M	ND	None Detected
8-11-09	38	Public Works Facility office – north and west office areas	2'X4' Ceiling Tile, white/brown w cracked & holes features	M	ND	None Detected
8-11-09	39	Public Works Facility office – north and west office areas	2'X4' Ceiling Tile, white/brown w cracked & holes features	M	ND	None Detected
8-11-09	40	Public Facilities office area – east office of entrance/lobby	A: 12"X12" floor tile, tan w/brown specks B: Mastic, yellow C: Leveling Compound, white	M	ND	A: None Detected B: None Detected C: None Detected
8-11-09	41	Public Facilities office area – east office of entrance/lobby	A: 12"X12" floor tile, tan w/brown specks B: Mastic, yellow C: Leveling Compound, white	M	ND	A: None Detected B: None Detected C: None Detected
8-11-09	42	Public Facilities office area – east office of entrance/lobby	A: 12"X12" floor tile, tan w/brown specks B: Mastic, yellow C: Leveling Compound, white	M	ND	A: None Detected B: None Detected C: None Detected
8-11-09	43	Former Parks/recreation office, west side of north garage door entrance	A: Wallboard, white B: Tape, white C: Joint Compound, white D: Texture, white	M	ND	A: None Detected B: None Detected C: None Detected D: None Detected
8-11-09	44	Former Parks/recreation office, west side of north garage door entrance	A: Wallboard, white B: Tape, white C: Joint Compound, white D: Texture, white	M	ND	A: None Detected B: None Detected C: None Detected D: None Detected

DATE	SAMPLE NO.	SAMPLE LOCATION	MATERIAL SAMPLED	CATEGORY	CONDITION	RESULTS
8-11-09	45	Former Parks/recreation office, W. side of north garage door entrance	A: Wallboard, white B: Texture, white	M	ND	A: None Detected B: None Detected
8-11-09	46	Former Parks/recreation office, W. side of north large door entrance, south rooms	A: Wallboard, white B: Joint Compound, white C: Texture, white			A: None Detected B: None Detected
8-11-09	47	Former Parks/recreation office, W. side of north large door entrance, south rooms	A: Wallboard, white B: Joint Compound, white	M	ND	A: None Detected B: None Detected
8-11-09	48	Former Parks/recreation office, W. side of north large door entrance, south rooms	A: Wallboard, white B: Joint Compound, white	M	ND	A: None Detected B: None Detected
8-11-09	49	Former Parks/recreation office, W. side of north large door entrance, south rooms	Ceiling Texture, course, white	M	ND	None Detected
8-11-09	50	Former Parks/recreation office, W. side of north large door entrance, south rooms	Ceiling Texture, course, white	M	ND	None Detected
8-11-09	51	Former Parks/recreation office, E. side of north large door entrance, south rooms	Ceiling Texture, course, white	M	ND	None Detected
8-11-09	52	Former Parks/recreation office, E. side of north large door entrance, ext. walls	4'X8' cemented fibers Panel siding, gray	M	ND	None Detected
8-11-09	53	Former Parks/recreation office, E. side of north large door entrance, ext. walls	4'X8' cemented fibers Panel siding, gray	M	ND	None Detected
8-11-09	54	Former Parks/recreation office, E. side of north large door entrance, ext. walls	4'X8' cemented fibers Panel siding, gray	M	ND	None Detected
8-11-09	55	Former Parks/recreation office, W. side of north large door entrance	A: 12"X12" floor tile, tan w/brown specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-11-09	56	Former Parks/recreation office, W. side of north large door entrance	A: 12"X12" floor tile, tan w/brown specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-11-09	57	Former Parks/recreation office, W. side of north large door entrance	A: 12"X12" floor tile, tan w/brown specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected

DATE	SAMPLE NO.	SAMPLE LOCATION	MATERIAL SAMPLED	CATEGORY	CONDITION	RESULTS
8-11-09	58	NW Office w/wood siding – east side	A: 12"X12" floor tile, off-white w/gray specks B: Mastic, yellow	M	MD	A: None Detected B: None Detected
8-11-09	59	NW Office w/wood siding – east side	A: 12"X12" floor tile, off-white w/gray specks B: Mastic, yellow	M	MD	A: None Detected B: None Detected
8-11-09	60	NW Office w/wood siding – east side	A: 12"X12" floor tile, off-white w/gray specks B: Mastic, yellow	M	MD	A: None Detected B: None Detected
8-11-09	61	NW Office w/wood siding – east side-Plywood Ceiling	Ceiling Texture, off-white	M	MD	None Detected
8-11-09	62	NW Room w/wood siding – west room-Plywood Ceiling	Ceiling Texture, off-white	M	MD	None Detected
8-11-09	63	NW Room w/wood siding – west room-Plywood Ceiling	Ceiling Texture, off-white	M	MD	None Detected
8-11-09	64	NW storage room	A: 12"X12" floor tile, beige w/ white/brown specks B: Mastic, yellow	M	SD	A: None Detected B: None Detected
8-12-09	65	NW storage room	A: 12"X12" floor tile, beige w/ white/brown specks B: Mastic, yellow	M	SD	A: None Detected B: None Detected
8-12-09	66	NW storage room	A: 12"X12" floor tile, beige w/ white/brown specks B: Mastic, yellow	M	SD	A: None Detected B: None Detected
8-12-09	67	South side of warehouse, room label #4	A: 12"X12" floor tile, white w/ brown streaks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-12-09	68	South side of warehouse, room label #4	A: 12"X12" floor tile, white w/ brown streaks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-12-09	69	South side of warehouse, room label #4	A: 12"X12" floor tile, white w/ brown streaks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-12-09	70	South side of warehouse, room label #6	A: 12"X12" floor tile, off-white w/gray specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-12-09	71	South side of warehouse, room label #6	A: 12"X12" floor tile, off-white w/gray specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected

DATE	SAMPLE NO.	SAMPLE LOCATION	MATERIAL SAMPLED	CATEGORY	CONDITION	RESULTS
8-12-09	72	South side of warehouse, room label #6	A: 12"X12" floor tile, off-white w/gray specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-12-09	73	South side of warehouse, room label #7	A: 12"X12" floor tile, Lt. purple w/purple specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-12-09	74	South side of warehouse, room label #7	A: 12"X12" floor tile, Lt. purple w/purple specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-12-09	75	South side of warehouse, room label #7	A: 12"X12" floor tile, Lt. purple w/purple specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-12-09	76	South side of warehouse, room label #7	Carpet Mastic, yellow	M	ND	None Detected
8-12-09	77	South side of warehouse, room label #7	Carpet Mastic, yellow	M	ND	None Detected
8-12-09	78	South side of warehouse, room label #7	Carpet Mastic, yellow	M	ND	None Detected
8-12-09	79	South side of warehouse, room label #8, west room	A: 12"X12" floor tile, off-white w/blue/purple specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-12-09	80	South side of warehouse, room label #8, west room	A: 12"X12" floor tile, off-white w/blue/purple specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-12-09	81	South side of warehouse, room label #8, west room	A: 12"X12" floor tile, off-white w/blue/purple specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-12-09	82	South side of warehouse, room label #8	Ceiling Tile, white/brown w/ semi arch patterns	M	ND	None Detected
8-12-09	83	South side of warehouse, room label #8	Ceiling Tile, white/brown w/ semi arch patterns	M	ND	None Detected
8-12-09	84	South side of warehouse, room label #8	Ceiling Tile, white/brown w/ semi arch patterns	M	ND	None Detected
8-12-09	85	South side of warehouse, room label #8, **Underlying**	A: 12"X12" floor tile, beige B: yellow& black, yellow	M	ND	A: None Detected B: None Detected
8-12-09	86	South side of warehouse, room label #8, **Underlying**	A: 12"X12" floor tile, beige B: yellow& black, yellow	M	ND	A: None Detected B: None Detected
8-12-09	87	South side of warehouse, room label #8, **Underlying**	A: 12"X12" floor tile, beige B: yellow& black, yellow	M	ND	A: None Detected B: None Detected

DATE	SAMPLE NO.	SAMPLE LOCATION	MATERIAL SAMPLED	CATEGORY	CONDITION	RESULTS
8-12-09	88	Concrete block Plans Room, south side	A: 12"X12" floor tile, off-white w/ brown/gray/purple specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-12-09	89	Concrete block Plans Room, south side	A: 12"X12" floor tile, off-white w/ brown/gray/purple specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-12-09	90	Concrete block Plans Room, south side	A: 12"X12" floor tile, off-white w/ brown/gray/purple specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-12-09	91	Concrete block Plans Room, south side	2'X4' Ceiling Tile, white/beige	M	ND	None Detected
8-12-09	92	NW Room on wood decking	2'X4' Ceiling Tile, white/beige	M	ND	None Detected
8-12-09	93	Meter Shop Room, NE area	2'X4' Ceiling Tile, white/beige	M	ND	None Detected
8-12-09	94	Concrete block Plans Room, south side, AC Duct Joints	A: Mastic, gray B: AC Duct Insulation, yellow C: AC Duct Joint Wrap, silver/brown	M	ND	A: None Detected B: None Detected C: None Detected
8-12-09	95	Concrete block Plans Room, south side, AC Duct Joints	A: Mastic, gray B: AC Duct Insulation, yellow C: AC Duct Joint Wrap, silver/brown	M	ND	A: None Detected B: None Detected C: None Detected
8-12-09	96	Concrete block Plans Room, south side, AC Duct Joints	A: Mastic, gray B: AC Duct Insulation, yellow C: AC Duct Joint Wrap, silver/brown	M	ND	A: None Detected B: None Detected C: None Detected
8-12-09	97	Concrete block Plans Room	Covebase Mastic, yellow	M	ND	None Detected
8-12-09	98	Concrete block Plans Room	Covebase Mastic, yellow	M	ND	None Detected
8-12-09	99	Concrete block Plans Room	Covebase Mastic, yellow	M	ND	None Detected
8-12-09	100	SE Mechanic's office, west room	A: 12"X12" floor tile, tan w/ brown/white specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-12-09	101	SE Mechanic's office, west room	A: 12"X12" floor tile, tan w/ brown/white specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-12-09	102	SE Mechanic's office, west room	A: 12"X12" floor tile, tan w/ brown/white specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected

DATE	SAMPLE NO.	SAMPLE LOCATION	MATERIAL SAMPLED	CATEGORY	CONDITION	RESULTS
8-12-09	103	SE Mechanic's office, east room	A: 12"X12" floor tile, beige w/ tan/brown specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-12-09	104	SE Mechanic's office, east room	A: 12"X12" floor tile, tan w/ brown/white specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-12-09	105	SE Mechanic's office, east room	A: 12"X12" floor tile, tan w/ brown/white specks B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-12-09	106	2nd Story former Engineering Department office (south side)	A: Wallboard, white B: Joint Compound, white C: Texture, white	M	ND	A: None Detected B: None Detected C: None Detected
8-12-09	107	2nd Story former Engineering Department office (south side)	A: Wallboard, white/brown B: Joint Compound, white C: Texture, white	M	ND	A: None Detected B: None Detected C: None Detected
8-12-09	108	2nd Story former Engineering Department office (south side)	A: Wallboard, white/brown B: Joint Compound, white C: Texture, white	M	ND	A: None Detected B: None Detected C: None Detected
8-12-09	109	2nd Story office (2 rooms) west of Engineering Dept. office	A: 12"X12" floor tile, beige/tan B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-12-09	110	2nd Story office (2 rooms) west of Engineering Dept. office	A: 12"X12" floor tile, beige/tan B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-12-09	111	2nd Story office (2 rooms) west of Engineering Dept. office	A: 12"X12" floor tile, beige/tan B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-12-09	112	Warehouse, 2nd Story, SE two rooms	A: Wallboard, white/brown B: Texture, tan	M	SD	A: None Detected B: None Detected
8-12-09	113	Warehouse, 2nd Story, SE two rooms	A: Wallboard, white/brown B: Texture, tan	M	SD	A: None Detected B: None Detected
8-12-09	114	Warehouse, 2nd Story, SE two rooms	A: Wallboard, white/brown B: Texture, tan	M	SD	A: None Detected B: None Detected
8-12-09	115	North Shop building, south mechanic/shop office room	A: 12"X12" floor tile, white/tan B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-12-09	116	North Shop building, south mechanic/shop office room	A: 12"X12" floor tile, white/tan B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-12-09	117	North Shop building, south mechanic/shop office room	A: 12"X12" floor tile, white/tan B: Mastic, yellow	M	ND	A: None Detected B: None Detected
8-12-09	118	North Shop building, south mechanic/shop room	12"X12" ceiling tile, white/brown	M	MD	None Detected

DATE	SAMPLE NO.	SAMPLE LOCATION	MATERIAL SAMPLED	CATEGORY	CONDITION	RESULTS
8-12-09	119	North Shop building, south mechanic/shop room office	12"X12" ceiling tile, white/brown	M	MD	None Detected
8-12-09	120	North Shop building, south mechanic/shop room office	12"X12" ceiling tile, white/brown	M	MD	None Detected
8-12-09	121	North roof section of Public Works office section	Asphalt Shingles, brown/orange/black	M	ND	None Detected
8-12-09	122	North roof section of Public Works office section	A: Asphalt Shingles, brown/orange/black B: Asphalt Roof Tar, black C: Asphalt Roof Shingle, brown/orange/black	M	ND	A: None Detected B: None Detected C: None Detected D: None Detected
8-12-09	123	North roof section of Public Works office section	Asphalt Shingles, brown/orange/black	M	ND	None Detected
8-12-09	124	NE Roof – Meter Shop Section	A: Roof Mastic, black/silver B: Felt Roll Paper, black C: Felt Paper, black B: Mastic, black	M	MD	A: None Detected B: None Detected C: None Detected D: None Detected
8-12-09	125	NE Roof – Meter Shop Section	A: Roof Mastic, black/silver B: Felt Roll Paper, black C: Felt Paper, black B: Mastic, black	M	MD	A: None Detected B: None Detected C: None Detected D: None Detected
8-12-09	126	NE Roof – Meter Shop Section	A: Roof Mastic, black/silver B: Felt Roll Paper, black C: Felt Paper, black B: Mastic, black	M	MD	A: None Detected B: None Detected C: None Detected D: None Detected
8-12-09	127	Warehouse Roof – east side	A: Roofing Roll Paper, gray B: Mastic, black C: Roofing Roll Paper, black D: Asphalt Felt, black	M	SD	A: None Detected B: None Detected C: None Detected D: None Detected
8-12-09	128	Warehouse Roof – east side	A: Roofing Roll Paper, gray B: Mastic, black C: Roofing Roll Paper, black D: Asphalt Felt, black	M	SD	A: None Detected B: None Detected C: None Detected D: None Detected
8-12-09	129	Warehouse Roof – north side lower level roof	A: Roofing Roll Paper, gray B: Mastic, black C: Roofing Roll Paper, black D: Asphalt Felt, black	M	SD	A: None Detected B: None Detected C: None Detected D: None Detected
8-12-09	130	Warehouse Roof – Window vents on middle section	A: Flashing Mastic, gray/black B: Mastic, black	M	MD	**A: 10% Chrysotile** B: None Detected
8-12-09	131	Warehouse Roof – Window vents on middle section	A: Flashing Mastic, gray/black B: Mastic, black	M	MD	**A: 10% Chrysotile** B: None Detected

DATE	SAMPLE NO.	SAMPLE LOCATION	MATERIAL SAMPLED	CATEGORY	CONDITION	RESULTS
8-12-09	132	Warehouse Roof – Window vents on middle section	Flashing Mastic, gray/black	M	MD	**10% Chrysotile**
8-12-09	133	SE berm of industrial ponds (NE of Weslaco waste water treatment plant)	8" cemented fibers pipe, gray	M	MD	**10% Chrysotile** **5% Crocidolite**
8-12-09	134	SE berm of industrial ponds (NE of Weslaco waste water treatment plant)	8" cemented fibers pipe, gray	M	MD	**10% Chrysotile** **5% Crocidolite**
8-12-09	135	SE berm of industrial ponds (NE of Weslaco waste water treatment plant)	8" cemented fibers pipe, gray	M	MD	**15% Chrysotile**

CATEGORY: S-Surface Sprayed-on or Troweled-on, T-Thermal, M-Miscellaneous (floor tile, ceiling tile, mastic, etc.)
CONDITION: ND-No Damage, MD-Minor Damage (small dents, tears), D-Damage (less than 3 sq. ft. of total area), SD-Significant Damage (greater than 3 sq. ft. of total area or heavy damage in local area)

ATTACHMENT C

LABORATORY REPORT OF ANALYSIS

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0077705

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	RABA KISTNER	Job# / P.O. #:	ASF09-143-00	127684
Address:	800 E. HACKBERRY	Date Received:	08/13/2009	
	McALLEN, TX 78501	Date Analyzed:	08/14/2009	
Collected:	08/10/2009	Date Reported:	08/14/2009	
Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-001 1		LAYER 1 12"x12" Floor Tile, Tan	No			
					Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No			
					Carbonates Quartz Binder/Filler	100%
0077705-002 2		LAYER 1 12"x12" Floor Tile, Tan	No			
					Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	1%
					Carbonates Quartz Binder/Filler	99%
0077705-003 3		LAYER 1 12"x12" Floor Tile, Tan	No			
					Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	1%
					Carbonates Quartz Binder/Filler	99%
0077705-004 4		Wood Paneling Mastic, Tan	No			
					Carbonates Quartz Binder/Filler	100%
0077705-005 5		Wood Paneling Mastic, Tan	No			
					Carbonates Quartz Binder/Filler	100%

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	McALLEN, TX 78501	Date Analyzed:	08/14/2009	
Collected:	08/10/2009	Date Reported:	08/14/2009	
Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-006 6		Wood Paneling Mastic, Tan	No			
					Carbonates	
					Quartz	
					Binder/Filler	100%
0077705-007 7		LAYER 1 Wallboard, White/ Brown	No		Cellulose Fiber	10%
					Gypsum	
					Carbonates	
					Mica	90%
		LAYER 2 Texture, White	No			
					Gypsum	
					Mica	
					Perlite	
					Binder/Filler	100%
0077705-008 8		LAYER 1 Wallboard, White/ Brown	No		Cellulose Fiber	10%
					Gypsum	
					Carbonates	
					Mica	90%
		LAYER 2 Texture, White	No			
					Gypsum	
					Mica	
					Perlite	
					Binder/Filler	100%
0077705-009 9		LAYER 1 Wallboard, White/ Brown	No		Cellulose Fiber	10%
					Gypsum	
					Carbonates	
					Mica	90%
		LAYER 2 Texture, White	No			
					Gypsum	
					Mica	
					Perlite	
					Binder/Filler	100%

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NVLAP#101926-0

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Address:	800 E. HACKBERRY	Date Received:	08/13/2009	
	McALLEN, TX 78501	Date Analyzed:	08/14/2009	
Collected:	08/10/2009	Date Reported:	08/14/2009	
Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-010 10		LAYER 1 12"x12" Floor Tile, White/ Gray	No		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	1%
					Carbonates Quartz Binder/Filler	99%
0077705-011 11		LAYER 1 12"x12" Floor Tile, White/ Gray	No		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	1%
					Carbonates Quartz Binder/Filler	99%
0077705-012 12		LAYER 1 12"x12" Floor Tile, White/ Gray	No		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	2%
					Carbonates Quartz Binder/Filler	98%

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NVLAP#101926-0

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Collected:	08/10/2009	Date Reported:	08/14/2009	
Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)		Non-Asbestos Constituents	
0077705-013 13		LAYER 1 12"x12" Floor Tile, Beige/ Brown	Yes	Chrysotile	5%		
						Carbonates Quartz Binder/Filler	95%
		LAYER 2 Mastic, Yellow	No				
						Carbonates Quartz Binder/Filler	100%
		LAYER 3 Carpet Mastic, Yellow/ Black	No			Synthetic Fiber	1%
						Carbonates Quartz Binder/Filler	99%
0077705-014 14		LAYER 1 12"x12" Floor Tile, Beige/ Brown	Yes	Chrysotile	5%		
						Carbonates Quartz Binder/Filler	95%
		LAYER 2 Mastic, Yellow	No				
						Carbonates Quartz Binder/Filler	100%
		LAYER 3 Carpet Mastic, Yellow	No			Synthetic Fiber	1%
						Carbonates Quartz Binder/Filler	99%
0077705-015 15		LAYER 1 12"x12" Floor Tile, Beige/ Brown	Yes	Chrysotile	5%		
						Carbonates Quartz Binder/Filler	95%
		LAYER 2 Mastic, Yellow	No			Cellulose Fiber	1%
						Carbonates Quartz Binder/Filler	99%
		LAYER 3 Carpet Mastic, Yellow	No			Synthetic Fiber	1%
						Carbonates Quartz Binder/Filler	99%

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Laboratory Report
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Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	RABA KISTNER	Job# / P.O. #:	ASF09-143-00	127684
Address:	800 E. HACKBERRY	Date Received:	08/13/2009	
	McALLEN, TX 78501	Date Analyzed:	08/14/2009	
Collected:	08/10/2009	Date Reported:	08/14/2009	
Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-016 16		LAYER 1 12"x12" Floor Tile, White/ Black	No		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber Carbonates Quartz Binder/Filler	2% 98%
0077705-017 17		LAYER 1 12"x12" Floor Tile, White/ Black	No		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Carbonates Quartz Binder/Filler	100%
0077705-018 18		LAYER 1 12"x12" Floor Tile, White/ Black	No		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber Carbonates Quartz Binder/Filler	1% 99%
0077705-019 19		LAYER 1 12"x12" Floor Tile, Off White/ Gray	No		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber Carbonates Quartz Binder/Filler	1% 99%

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NVLAP#101926-0

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	McALLEN, TX 78501	Date Analyzed:	08/14/2009	
Collected:	08/10/2009	Date Reported:	08/14/2009	
Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-020 20		LAYER 1 12"x12" Floor Tile, Off White/ Gray	No		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber Carbonates Quartz Binder/Filler	1% 99%
0077705-021 21		LAYER 1 12"x12" Floor Tile, Off White/ Gray	No		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber Carbonates Quartz Binder/Filler	3% 97%
0077705-022 22		Carpet Mastic, Yellow	No		Synthetic Fiber Carbonates Quartz Binder/Filler	1% 99%
0077705-023 23		Carpet Mastic, Yellow	No		Synthetic Fiber Carbonates Quartz Binder/Filler	1% 99%
0077705-024 24		Carpet Mastic, Yellow	No		Synthetic Fiber Carbonates Quartz Binder/Filler	1% 99%
0077705-025 25		12"x12" Ceiling Tile, White/ Beige	No		Cellulose Fiber Mineral Wool Carbonates Perlite Quartz Binder/Filler	70% 5% 25%

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	McALLEN, TX 78501	Date Analyzed:	08/14/2009	
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Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-026 26		12"x12" Ceiling Tile, White/ Beige	No		Cellulose Fiber Mineral Wool Carbonates Perlite Quartz Binder/Filler	70% 5% 25%
0077705-027 27		12"x12" Ceiling Tile, White/ Beige	No		Cellulose Fiber Mineral Wool Carbonates Perlite Quartz Binder/Filler	70% 5% 25%
0077705-028 28		12"x12" Ceiling Tile, White/ Beige	No		Cellulose Fiber Mineral Wool Carbonates Perlite Binder/Filler	70% 10% 20%
0077705-029 29		12"x12" Ceiling Tile, White/ Beige	No		Cellulose Fiber Mineral Wool Carbonates Perlite Binder/Filler	70% 10% 20%
0077705-030 30		12"x12" Ceiling Tile, White/ Beige	No		Cellulose Fiber Mineral Wool Carbonates Perlite Binder/Filler	70% 10% 20%
0077705-031 31		12"x12" Ceiling Tile, White/ Beige	No		Cellulose Fiber Mineral Wool Carbonates Perlite Binder/Filler	40% 40% 20%

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Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-032 32		12"x12" Ceiling Tile, White/ Beige	No		Cellulose Fiber Mineral Wool Carbonates Perlite Binder/Filler	40% 40% 20%
0077705-033 33		12"x12" Ceiling Tile, White/ Beige	No		Cellulose Fiber Mineral Wool Carbonates Perlite Binder/Filler	40% 40% 20%
0077705-034 34		Wallboard, White/ Brown	No		Cellulose Fiber Gypsum Carbonates Mica	10% 90%
0077705-035 35		Wallboard, White/ Brown	No		Cellulose Fiber Gypsum Carbonates Mica	10% 90%
0077705-036 36		Wallboard, White/ Brown	No		Cellulose Fiber Gypsum Carbonates Mica	10% 90%
0077705-037 37		2x4 Ceiling Tile, White/ Beige	No		Mineral Wool Cellulose Fiber Carbonates Perlite Binder/Filler	45% 40% 15%
0077705-038 38		2x4 Ceiling Tile, White/ Beige	No		Mineral Wool Cellulose Fiber Carbonates Perlite Binder/Filler	45% 40% 15%

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Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-039 39		2x4 Ceiling Tile, White/ Beige	No		Mineral Wool Cellulose Fiber Carbonates Perlite Binder/Filler	45% 40% 15%
0077705-040 40		LAYER 1 12"x12" Floor Tile, Tan/ White Note: No Black Mastic Present	No		Carbonates Quartz Binder/Filler	 100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber Carbonates Quartz Binder/Filler	2% 98%
		LAYER 3 Leveling Compound, Gray	No		Cellulose Fiber Carbonates Quartz Mica Binder/Filler	3% 97%
0077705-041 41		LAYER 1 12"x12" Floor Tile, Tan/ White Note: No Black Mastic Present	No		Carbonates Quartz Binder/Filler	 100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber Carbonates Quartz Binder/Filler	2% 98%
		LAYER 3 Leveling Compound, Gray	No		Cellulose Fiber Carbonates Quartz Mica Binder/Filler	3% 97%

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Collected:	08/10/2009	Date Reported:	08/14/2009	
Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-042 42		LAYER 1 12"x12" Floor Tile, Tan/ White Note. No Black Mastic Present	No		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber Carbonates Quartz Binder/Filler	2% 98%
		LAYER 3 Leveling Compound, Gray	No		Cellulose Fiber Carbonates Quartz Mica Binder/Filler	3% 97%
0077705-043 43		LAYER 1 Wallboard, White/ Brown	No		Cellulose Fiber Fibrous Glass Gypsum Carbonates Mica Quartz	10% 1% 89%
		LAYER 2 Tape, White	No		Cellulose Fiber Carbonates	98% 2%
		LAYER 3 Joint Compound, White	No		Cellulose Fiber Carbonates Mica	2% 98%
		LAYER 4 Texture, White	No		Carbonates Mica Binder/Filler	 100%

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Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-044 44		LAYER 1 Wallboard, White/ Brown	No		Cellulose Fiber	10%
					Fibrous Glass	1%
					Gypsum	
					Carbonates	
					Mica	
					Quartz	89%
		LAYER 2 Tape, White	No		Cellulose Fiber	98%
					Carbonates	2%
		LAYER 3 Joint Compound, White	No		Cellulose Fiber	2%
					Carbonates	
					Mica	98%
		LAYER 4 Texture, White	No			
					Carbonates	
					Mica	
					Binder/Filler	100%
0077705-045 45		LAYER 1 Wallboard, White/ Brown Note: No Joint Compound Present	No		Cellulose Fiber	10%
					Fibrous Glass	1%
					Gypsum	
					Carbonates	
					Mica	
					Quartz	89%
		LAYER 2 Texture, White	No			
					Carbonates	
					Mica	
					Binder/Filler	100%
0077705-046 46		LAYER 1 Wallboard, White/ Brown	No		Cellulose Fiber	10%
					Gypsum	
					Carbonates	
					Mica	90%
		LAYER 2 Joint Compound, White	No			
					Carbonates	
					Mica	
					Binder/Filler	100%

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Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-047 47		LAYER 1 Wallboard, White/ Brown	No		Cellulose Fiber	10%
					Gypsum Carbonates Mica	90%
		LAYER 2 Joint Compound, White	No			
					Carbonates Mica Binder/Filler	100%
0077705-048 48		LAYER 1 Wallboard, White/ Brown	No		Cellulose Fiber	10%
					Gypsum Carbonates Mica	90%
		LAYER 2 Joint Compound, White	No		Cellulose Fiber	1%
					Carbonates Mica Binder/Filler	99%
0077705-049 49		Ceiling Texture, White	No			
					Carbonates Mica Quartz Binder/Filler	100%
0077705-050 50		Ceiling Texture, White	No			
					Carbonates Mica Quartz Binder/Filler	100%
0077705-051 51		Ceiling Texture, White	No			
					Carbonates Mica Quartz Binder/Filler	100%
0077705-052 52		Cemented Fiber Siding Panel, Beige	No		Cellulose Fiber	25%
					Carbonates Quartz Binder/Filler	75%

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Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-053 53		Cemented Fiber Siding Panel, Beige	No		Cellulose Fiber	25%
					Carbonates Quartz Binder/Filler	75%
0077705-054 54		Cemented Fiber Siding Panel, Beige	No		Cellulose Fiber	25%
					Carbonates Quartz Binder/Filler	75%
0077705-055 55		LAYER 1 12"x12" Floor Tile, Tan/ Brown	No		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	3%
					Carbonates Quartz Binder/Filler	97%
0077705-056 56		LAYER 1 12"x12" Floor Tile, Tan/ Brown	No		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	3%
					Carbonates Quartz Binder/Filler	97%
0077705-057 57		LAYER 1 12"x12" Floor Tile, Tan/ Brown	No		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	1%
					Carbonates Quartz Binder/Filler	99%

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Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-058 58		LAYER 1 12"x12" Floor Tile, White/ Gray	No			
					Carbonates Gypsum Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	1%
					Carbonates Quartz Binder/Filler	99%
0077705-059 59		LAYER 1 12"x12" Floor Tile, White/ Gray	No			
					Carbonates Gypsum Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	1%
					Carbonates Quartz Binder/Filler	99%
0077705-060 60		LAYER 1 12"x12" Floor Tile, White/ Gray	No			
					Carbonates Gypsum Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Synthetic Fiber	1%
					Carbonates Quartz Binder/Filler	99%
0077705-061 61		Ceiling Texture, White	No			
					Gypsum Mica Diatoms Quartz Binder/Filler	100%

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Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-062 62		Ceiling Texture, White	No		Cellulose Fiber	<1%
					Gypsum	
					Mica	
					Diatoms	
					Quartz	
					Binder/Filler	99%
0077705-063 63		Ceiling Texture, White	No			
					Gypsum	
					Mica	
					Diatoms	
					Quartz	
					Binder/Filler	100%
0077705-064 64		LAYER 1 12"x12" Floor Tile, Beige/ Tan	No			
					Carbonates	
					Quartz	
					Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	3%
					Carbonates	
					Quartz	
					Binder/Filler	97%
0077705-065 65		LAYER 1 12"x12" Floor Tile, Beige/ Tan	No			
					Carbonates	
					Quartz	
					Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	1%
					Carbonates	
					Quartz	
					Binder/Filler	99%
0077705-066 66		LAYER 1 12"x12" Floor Tile, Beige/ Tan	No			
					Carbonates	
					Quartz	
					Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	5%
					Carbonates	
					Quartz	
					Binder/Filler	95%

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Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-067 67		LAYER 1 12"x12" Floor Tile, White/ Gray	No			
					Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	1%
					Quartz Carbonates Binder/Filler	99%
0077705-068 68		LAYER 1 12"x12" Floor Tile, White/ Gray	No			
					Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	3%
					Quartz Carbonates Binder/Filler	97%
0077705-069 69		LAYER 1 12"x12" Floor Tile, White/ Gray	No			
					Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	2%
					Quartz Carbonates Binder/Filler	98%
0077705-070 70		LAYER 1 12"x12" Floor Tile, Off White/ Brown	No			
					Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	<1%
					Quartz Carbonates Binder/Filler	99%

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Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-071 71		LAYER 1 12"x12" Floor Tile, Off White/ Brown	No		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	1%
					Quartz Carbonates Binder/Filler	99%
0077705-072 72		LAYER 1 12"x12" Floor Tile, Off White/ Brown	No		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	3%
					Quartz Carbonates Binder/Filler	97%
0077705-073 73		12"x12" Floor Tile, Lt. Purple/ Pink Note: No Mastic Present	No		Carbonates Quartz Binder/Filler	100%
0077705-074 74		LAYER 1 12"x12" Floor Tile, Lt. Purple/ Pink	No		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	1%
					Quartz Carbonates Binder/Filler	99%

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Laboratory Report
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Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	RABA KISTNER	Job# / P.O. #:	ASF09-143-00	127684
Address:	800 E. HACKBERRY	Date Received:	08/13/2009	
	McALLEN, TX 78501	Date Analyzed:	08/14/2009	
Collected:	08/10/2009	Date Reported:	08/14/2009	
Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-075 75		LAYER 1 12"x12" Floor Tile, Lt. Purple/ Pink	No			
					Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	3%
					Quartz Carbonates Binder/Filler	97%
0077705-076 76		Carpet Mastic, Yellow	No		Synthetic Fiber	3%
					Quartz Carbonates Binder/Filler	97%
0077705-077 77		Carpet Mastic, Yellow	No		Synthetic Fiber	1%
					Quartz Carbonates Binder/Filler	99%
0077705-078 78		Carpet Mastic, Yellow	No		Synthetic Fiber	3%
					Quartz Carbonates Binder/Filler	97%
0077705-079 79		LAYER 1 12"x12" Floor Tile, Off White/ Pink	No			
					Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	1%
					Quartz Carbonates Binder/Filler	99%

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NVLAP#101926-0

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Collected:	08/10/2009	Date Reported:	08/14/2009	
Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-080 80		LAYER 1 12"x12" Floor Tile, Off White/ Pink	No		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber Quartz Carbonates Binder/Filler	<1% 99%
0077705-081 81		LAYER 1 12"x12" Floor Tile, Off White/ Pink	No		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Carbonates Quartz Binder/Filler	100%
0077705-082 82		12"x12" Ceiling Tile, White/ Brown	No		Cellulose Fiber Gypsum Binder/Filler	90% 10%
0077705-083 83		12"x12" Ceiling Tile, White/ Brown	No		Cellulose Fiber Gypsum Binder/Filler	90% 10%
0077705-084 84		12"x12" Ceiling Tile, White/ Brown	No		Cellulose Fiber Gypsum Binder/Filler	90% 10%
0077705-085 85		LAYER 1 12"x12" Floor Tile, Beige	No		Synthetic Fiber Carbonates Gypsum Quartz Binder/Filler	3% 97%
		LAYER 2 Mastic, Yellow/ Black	No		Cellulose Fiber Carbonates Quartz Binder/Filler	3% 97%

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	McALLEN, TX 78501	Date Analyzed:	08/14/2009	
Collected:	08/10/2009	Date Reported:	08/14/2009	
Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-086 86		LAYER 1 12"x12" Floor Tile, Beige	No		Synthetic Fiber	3%
					Carbonates	
					Gypsum	
					Quartz	
					Binder/Filler	97%
		LAYER 2 Mastic, Yellow/ Black	No		Cellulose Fiber	3%
					Carbonates	
					Quartz	
					Binder/Filler	97%
0077705-087 87		LAYER 1 12"x12" Floor Tile, Beige	No		Synthetic Fiber	3%
					Carbonates	
					Gypsum	
					Quartz	
					Binder/Filler	97%
		LAYER 2 Mastic, Yellow/ Black	No		Cellulose Fiber	1%
					Carbonates	
					Quartz	
					Binder/Filler	99%
0077705-088 88		LAYER 1 12"x12" Floor Tile, Off White/ Tan	No			
					Carbonates	
					Gypsum	
					Quartz	
					Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	1%
					Carbonates	
					Quartz	
					Binder/Filler	99%
0077705-089 89		LAYER 1 12"x12" Floor Tile, Off White/ Tan	No			
					Carbonates	
					Gypsum	
					Quartz	
					Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No			
					Carbonates	
					Quartz	
					Binder/Filler	100%

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Collected:	08/10/2009	Date Reported:	08/14/2009	
Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-090 90		LAYER 1 12"x12" Floor Tile, Off White/ Tan	No			
					Carbonates	
					Gypsum	
					Quartz	
					Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No			
					Carbonates	
					Quartz	
					Binder/Filler	100%
0077705-091 91		2x4 Ceiling Tile, White/ Beige	No		Cellulose Fiber	70%
					Mineral Wool	5%
					Carbonates	
					Perlite	
					Quartz	
					Binder/Filler	25%
0077705-092 92		2x4 Ceiling Tile, White/ Beige	No		Cellulose Fiber	70%
					Mineral Wool	5%
					Carbonates	
					Perlite	
					Quartz	
					Binder/Filler	25%
0077705-093 93		2x4 Ceiling Tile, White/ Beige	No		Cellulose Fiber	70%
					Mineral Wool	5%
					Carbonates	
					Perlite	
					Quartz	
					Binder/Filler	25%

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	McALLEN, TX 78501	Date Analyzed:	08/14/2009	
Collected:	08/10/2009	Date Reported:	08/14/2009	
Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-094 94		LAYER 1 A/C Duct Joint Mastic, Gray	No			
					Carbonates Quartz Binder/Filler	100%
		LAYER 2 A/C Duct Joint Insulation, Yellow	No		Fibrous Glass	95%
					Carbonates	5%
		LAYER 3 A/C Duct Joint Insulation Wrap, Silver/ Brown	No		Cellulose Fiber	50%
					Fibrous Glass	10%
					Aluminum Carbonates Binder/Filler	40%
0077705-095 95		LAYER 1 A/C Duct Joint Mastic, Gray	No			
					Carbonates Quartz Binder/Filler	100%
		LAYER 2 A/C Duct Joint Insulation, Yellow	No		Fibrous Glass	95%
					Carbonates	5%
		LAYER 3 A/C Duct Joint Insulation Wrap, Silver/ Brown	No		Cellulose Fiber	50%
					Fibrous Glass	10%
					Aluminum Carbonates Binder/Filler	40%
0077705-096 96		LAYER 1 A/C Duct Joint Mastic, Gray	No			
					Carbonates Quartz Binder/Filler	100%
		LAYER 2 A/C Duct Joint Insulation, Yellow	No		Fibrous Glass	95%
					Carbonates	5%
		LAYER 3 A/C Duct Joint Insulation Wrap, Silver/ Brown	No		Cellulose Fiber	50%
					Fibrous Glass	10%
					Aluminum Carbonates Binder/Filler	40%

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	McALLEN, TX 78501	Date Analyzed:	08/14/2009	
Collected:	08/10/2009	Date Reported:	08/14/2009	
Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-097 97		Cove Base Mastic, Yellow	No		Carbonates Quartz Binder/Filler	100%
0077705-098 98		Cove Base Mastic, Yellow	No		Carbonates Binder/Filler	100%
0077705-099 99		Cove Base Mastic, Yellow	No		Carbonates Binder/Filler	100%
0077705-100 100		LAYER 1 12"x12" Floor Tile, Tan/ Beige/ Brown	No		Synthetic Fiber Carbonates Quartz Binder/Filler	10% 90%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber Carbonates Quartz Binder/Filler	1% 99%
0077705-101 101		LAYER 1 12"x12" Floor Tile, Tan/ Beige/ Brown	No		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber Carbonates Quartz Binder/Filler	2% 98%
0077705-102 102		LAYER 1 12"x12" Floor Tile, Tan/ Beige/ Brown	No		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber Carbonates Quartz Binder/Filler	<1% 99%

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Collected:	08/10/2009	Date Reported:	08/14/2009	
Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-103 103		LAYER 1 12"x12" Floor Tile, Tan/ Beige	No		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber Carbonates Quartz Binder/Filler	3% 97%
0077705-104 104		LAYER 1 12"x12" Floor Tile, Tan/ Beige	No		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber Carbonates Quartz Binder/Filler	5% 95%
0077705-105 105		LAYER 1 12"x12" Floor Tile, Tan/ Beige	No		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber Carbonates Quartz Binder/Filler	5% 95%
0077705-106 106		LAYER 1 Wallboard, White/ Brown	No		Cellulose Fiber Gypsum Carbonates Mica Quartz	10% 90%
		LAYER 2 Texture, White	No		Carbonates Mica Quartz Binder/Filler	 100%

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Address:	800 E. HACKBERRY	Date Received:	08/13/2009	
	McALLEN, TX 78501	Date Analyzed:	08/14/2009	
Collected:	08/10/2009	Date Reported:	08/14/2009	
Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-107 107		LAYER 1 Wallboard, White/ Brown	No		Cellulose Fiber	10%
					Gypsum	
					Carbonates	
					Mica	
					Quartz	90%
		LAYER 2 Texture, White	No			
					Carbonates	
					Mica	
					Quartz	
					Binder/Filler	100%
0077705-108 108		LAYER 1 Wallboard, White/ Brown	No		Cellulose Fiber	10%
					Gypsum	
					Carbonates	
					Mica	
					Quartz	90%
		LAYER 2 Texture, White	No			
					Carbonates	
					Mica	
					Quartz	
					Binder/Filler	100%
0077705-109 109		LAYER 1 12"x12" Floor Tile, Tan/ Beige	No		Cellulose Fiber	5%
					Carbonates	
					Quartz	
					Binder/Filler	95%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	3%
					Carbonates	
					Quartz	
					Binder/Filler	97%
0077705-110 110		LAYER 1 12"x12" Floor Tile, Tan/ Beige	No		Cellulose Fiber	5%
					Carbonates	
					Quartz	
					Binder/Filler	95%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	5%
					Carbonates	
					Quartz	
					Binder/Filler	95%

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Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-111 111		LAYER 1 12"x12" Floor Tile, Tan/ Beige	No		Cellulose Fiber	5%
					Carbonates	
					Quartz	
					Binder/Filler	95%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	3%
					Carbonates	
					Quartz	
					Binder/Filler	97%
0077705-112 112		LAYER 1 Wallboard, White/ Brown	No		Cellulose Fiber	10%
					Gypsum	
					Carbonates	
					Mica	
					Quartz	90%
		LAYER 2 Texture, Tan Note: Sample is mainly Paint	No			
					Carbonates	
					Mica	
					Quartz	
					Binder/Filler	100%
0077705-113 113		LAYER 1 Wallboard, White/ Brown	No		Cellulose Fiber	10%
					Gypsum	
					Carbonates	
					Mica	
					Quartz	90%
		LAYER 2 Texture, Tan Note: Sample is mainly Paint	No			
					Carbonates	
					Mica	
					Quartz	
					Binder/Filler	100%

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Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-114 114		LAYER 1 Wallboard, White/ Brown	No		Cellulose Fiber	10%
					Gypsum	
					Carbonates	
					Mica	
					Quartz	90%
		LAYER 2 Texture, Tan Note: Sample is mainly Paint	No		Carbonates	
					Mica	
					Quartz	
					Binder/Filler	100%
0077705-115 115		LAYER 1 12"x12" Floor Tile, Tan/ Brown	No		Carbonates	
					Quartz	
					Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	<1%
					Carbonates	
					Binder/Filler	99%
0077705-116 116		LAYER 1 12"x12" Floor Tile, Tan/ Brown	No		Carbonates	
					Quartz	
					Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	3%
					Carbonates	
					Quartz	
					Binder/Filler	97%
0077705-117 117		LAYER 1 12"x12" Floor Tile, Tan/ Brown	No		Carbonates	
					Quartz	
					Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No		Cellulose Fiber	1%
					Carbonates	
					Binder/Filler	99%

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Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-118 118		12"x12" Ceiling Tile, White/ Brown	No		Cellulose Fiber	85%
					Mineral Wool	5%
					Carbonates	
					Perlite	
					Binder/Filler	10%
0077705-119 119		12"x12" Ceiling Tile, White/ Brown	No		Cellulose Fiber	85%
					Mineral Wool	5%
					Carbonates	
					Perlite	
					Binder/Filler	10%
0077705-120 120		12"x12" Ceiling Tile, White/ Brown	No		Cellulose Fiber	85%
					Mineral Wool	5%
					Carbonates	
					Perlite	
					Binder/Filler	10%
0077705-121 121		Asphalt Shingle Roof, Brown/ Orange/ Black	No		Fibrous Glass	15%
					Carbonates	
					Quartz	
					Binder/Filler	85%
0077705-122 122		LAYER 1 Asphalt Shingle Roof, Brown/ Orange/ Black	No		Fibrous Glass	15%
					Carbonates	
					Quartz	
					Binder/Filler	85%
		LAYER 2 Asphalt Roof Tar, Black	No		Cellulose Fiber	2%
					Carbonates	
					Quartz	
					Binder/Filler	98%
		LAYER 3 Asphalt Shingle Roof, Brown/ Orange/ Black	No		Fibrous Glass	20%
					Carbonates	
					Quartz	
					Binder/Filler	80%
0077705-123 123		Asphalt Shingle Roof, Brown/ Orange/ Black	No		Fibrous Glass	15%
					Carbonates	
					Quartz	
					Binder/Filler	85%

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Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-124 124		LAYER 1 Roof Mastic, Black/ Silver	No		Cellulose Fiber	5%
					Carbonates Quartz Binder/Filler	95%
		LAYER 2 Roof Felt, Black	No		Fibrous Glass	20%
					Carbonates Quartz Binder/Filler	80%
		LAYER 3 Roof Felt, Black	No		Fibrous Glass	20%
					Carbonates Quartz Binder/Filler	80%
		LAYER 4 Roof Felt, Black	No		Fibrous Glass	20%
					Carbonates Quartz Binder/Filler	80%
0077705-125 125		LAYER 1 Roof Mastic, Black/ Silver	No		Fibrous Glass	<1%
					Carbonates Quartz Binder/Filler	99%
		LAYER 2 Roof Felt, Black	No		Fibrous Glass	20%
					Carbonates Quartz Binder/Filler	80%
		LAYER 3 Roof Felt, Black	No		Fibrous Glass	20%
					Carbonates Quartz Binder/Filler	80%
		LAYER 4 Roof Felt, Black	No		Fibrous Glass	20%
					Carbonates Quartz Binder/Filler	80%

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0077705

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	RABA KISTNER	Job# / P.O. #:	ASF09-143-00	127684
Address:	800 E. HACKBERRY	Date Received:	08/13/2009	
	McALLEN, TX 78501	Date Analyzed:	08/14/2009	
Collected:	08/10/2009	Date Reported:	08/14/2009	
Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-126 126		LAYER 1 Roof Mastic, Black/ Silver	No		Fibrous Glass	<1%
					Carbonates Quartz Binder/Filler	99%
		LAYER 2 Roof Felt, Black	No		Fibrous Glass	20%
					Carbonates Quartz Binder/Filler	80%
		LAYER 3 Roof Felt, Black	No		Fibrous Glass	20%
					Carbonates Quartz Binder/Filler	80%
		LAYER 4 Roof Felt, Black	No		Fibrous Glass	20%
					Carbonates Quartz Binder/Filler	80%
0077705-127 127		LAYER 1 Asphalt Roof Felt, Gray/ Black	No		Fibrous Glass	20%
					Carbonates Quartz Binder/Filler	80%
		LAYER 2 Roof Mastic, Black	No		Cellulose Fiber	2%
					Carbonates Quartz Binder/Filler	98%
		LAYER 3 Asphalt Roof Felt, Black	No		Synthetic Fiber	20%
					Carbonates Quartz Binder/Filler	80%
		LAYER 4 Asphalt Roof Felt, Black	No		Fibrous Glass	20%
					Carbonates Quartz Binder/Filler	80%

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Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	RABA KISTNER	Job# / P.O. #:	ASF09-143-00	127684
Address:	800 E. HACKBERRY	Date Received:	08/13/2009	
	McALLEN, TX 78501	Date Analyzed:	08/14/2009	
Collected:	08/10/2009	Date Reported:	08/14/2009	
Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0077705-128 128		LAYER 1 Asphalt Roof Felt, Gray/ Black	No		Fibrous Glass	20%
					Carbonates Quartz Binder/Filler	80%
		LAYER 2 Roof Mastic, Black	No		Synthetic Fiber	5%
					Fibrous Glass	5%
					Carbonates Quartz Binder/Filler	90%
		LAYER 3 Asphalt Roof Felt, Black	No		Synthetic Fiber	20%
					Carbonates Quartz Binder/Filler	80%
		LAYER 4 Asphalt Roof Felt, Black	No		Fibrous Glass	20%
					Carbonates Quartz Binder/Filler	80%
0077705-129 129		LAYER 1 Asphalt Roof Felt, Gray/ Black	No		Fibrous Glass	20%
					Carbonates Quartz Binder/Filler	80%
		LAYER 2 Roof Mastic, Black	No		Synthetic Fiber	5%
					Fibrous Glass	5%
					Carbonates Quartz Binder/Filler	90%
		LAYER 3 Asphalt Roof Felt, Black	No		Synthetic Fiber	20%
					Carbonates Quartz Binder/Filler	80%
		LAYER 4 Asphalt Roof Felt, Black	No		Fibrous Glass	20%
					Carbonates Quartz Binder/Filler	80%

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Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	RABA KISTNER	Job# / P.O. #:	ASF09-143-00	127684
Address:	800 E. HACKBERRY	Date Received:	08/13/2009	
	McALLEN, TX 78501	Date Analyzed:	08/14/2009	
Collected:	08/10/2009	Date Reported:	08/14/2009	
Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)		Non-Asbestos Constituents	
0077705-130 130		LAYER 1 Flashing, Gray/ Black/ Silver	Yes	Chrysotile	10%		
						Carbonates Quartz Binder/Filler	90%
		LAYER 2 Flashing, Black	No			Synthetic Fiber	50%
						Carbonates Gypsum Binder/Filler	50%
0077705-131 131		LAYER 1 Flashing, Gray/ Black/ Silver	Yes	Chrysotile	10%		
						Carbonates Quartz Binder/Filler	90%
		LAYER 2 Flashing, Black	No			Synthetic Fiber	50%
						Carbonates Gypsum Binder/Filler	50%
0077705-132 132		Flashing, Gray/ Black/ Silver	Yes	Chrysotile	10%		
						Carbonates Quartz Binder/Filler	90%
0077705-133 133		8" Cemented Pipe, Gray/ Blue/ White	Yes	Chrysotile Crocidolite	10% 5%		
						Carbonates Gypsum Quartz Binder/Filler	85%
0077705-134 134		8" Cemented Pipe, Gray/ Blue/ White	Yes	Chrysotile Crocidolite	10% 5%		
						Carbonates Gypsum Quartz Binder/Filler	85%

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Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	RABA KISTNER	Job# / P.O. #:	ASF09-143-00	127684
Address:	800 E. HACKBERRY	Date Received:	08/13/2009	
	McALLEN, TX 78501	Date Analyzed:	08/14/2009	
Collected:	08/10/2009	Date Reported:	08/14/2009	
Project Name/	CITY OF WESLACO WHSE BLDG	EPA Method:	EPA 600/M4-82-020	
Address:		Submitted By:	AL GURROLA	
		Collected By:	Customer	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)		Non-Asbestos Constituents	
0077705-135 135		8" Cemented Pipe, Gray/ White	Yes	Chrysotile	15%		
						Carbonates Gypsum Quartz Binder/Filler	85%

Analyst - Kenneth Scheske

Signatory - Lab Director - Kurt Kettler

Distinctly stratified, easily separable layers of samples are analyzed as subsamples of the whole and are reported separately for each discernable layer. All analyses are derived from calibrated visual estimate and measured in weight percent unless otherwise noted. The report applies to the standards or procedures identified and to the sample(s) tested. The test results are not necessarily indicated or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. These reports are for the exclusive use of the addressed client and that they will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written permission. The report shall not be reproduced except in full, without written approval by our laboratory. The samples not destroyed in testing are retained a maximum of thirty days. The laboratory measurement of uncertainty for the test method is approximately <1% by weight. Accredited by the National Institute of Standards and Technology, Voluntary Laboratory Accreditation Program for selected test method for asbestos. The accreditation or any reports generated by this laboratory in no way constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology. The report must not be used by any entity to claim product endorsement by NVLAP or any agency of the U.S. Government. Polarized Light Microscopy may not be consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

CHAIN OF CUSTODY

EMC Laboratories
9830 S. 51ST St., Ste B-109
Phoenix, AZ 85044
(800) 362-3373 Fax (480) 893-1726

LAB#: 77705
TAT: 1 day
Rec'd: AUG 1 6 P.M.
EMC USE ONLY

COMPANY NAME: RABA KISTNER
800 E. Hackberry Ste E
McAllen, TX 78501
CONTACT: Al Gurrola
Phone/Fax: (956) 682-5332 / (956) 682-5487
Email: agurrola@rkci.com

BILL TO: (If Different Location)

E-MAILED AUG 1 3 2009

Now Accepting: VISA – MASTERCARD

Price Quoted: $_____ / Sample $_____ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)

1. **TURNAROUND TIME:** [4hr rush] [8hr rush] [1-Day] [2-Day] [3-Day] [5-Day] [6-10 Day]

****Prior confirmation of turnaround time is required
****Additional charges for rush analysis (please call marketing department for pricing details)
****Laboratory analysis may be subject to delay if credit terms are not met

2. **TYPE OF ANALYSIS:** [Bulk-PLM] [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]
3. **DISPOSAL INSTRUCTIONS:** [Dispose of samples at EMC] / [Return samples to me at my expense]
(If you do not indicate preference, EMC will dispose of samples 60 days from analysis.)

135

4. Project Name: City of Weslaco Warehouse Bldg - 306 S. Bridge, Weslaco TX 78596
P.O. Number: 127684 Project Number: ASF09-143-00

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS ON	OFF	FLOW RATE
1	1	8-10-9	12"x12" Floor Tile (tan) w Yellow Mastic				
2	2		" " "	Y N			
3	3		" " "	Y N			
4	4		Mastic (tan) on wood panelling	Y N			
5	5		" " "	Y N			
6	6		" " "	Y N			
7	7		Wallboard - white	Y N			
8	8		" "	Y N			
9	9		" "	Y N			
10	10		12"x12" Floor Tile (w) & Yellow Mastic				
11	11		" " "	Y N			
12	12		" " "	Y N			
13	13		12"x12" F T (B) & Mastic Yellow	Y N			
14	14		" " "	Y N			
15	15		" " "	Y N			

SPECIAL INSTRUCTIONS:

Sample Collector: (Print) Al Gurrola (Signature) [signature]

Relinquished by: [signature] Date/Time: 8-12-9 Received by: Diana Federico Date/Time: 8/13/09

Relinquished by: Diana Federico Date/Time: 8/13/09 Received by: [signature] Date/Time: 8/14/09

Relinquished by: _____ Date/Time _____ Received by: _____ Date/Time: _____

** In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.

CHAIN OF CUSTODY

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9830 S. 51ST St., Ste B-109
Phoenix, AZ 85044
(800) 362-3373 Fax (480) 893-1726

LAB#:
TAT: 77705
Rec'd:
EMC USE ONLY

COMPANY NAME: RABA KISTNER
800 E. Hackberry Ste E
McAllen, TX 78501
CONTACT: Al Gurrola
Phone/Fax: (956) 682-5332 / (956) 682-5487
Email: agurrola@rkci.com

BILL TO: (If Different Location)

Now Accepting: VISA – MASTERCARD

Price Quoted: $_____ / Sample $_____ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)

1. **TURNAROUND TIME:** [4hr rush] [8hr rush] [1-Day] [2-Day] [3-Day] [5-Day] [6-10 Day]
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2. **TYPE OF ANALYSIS:** [Bulk-PLM] [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]
3. **DISPOSAL INSTRUCTIONS:** [Dispose of samples at EMC] / [Return samples to me at my expense]
(If you do not indicate preference, EMC will dispose of samples 60 days from analysis.)

4. Project Name: City of Weslaco Warehouse Bldg - 306 S. Bridge, Weslaco, Texas 78596
P.O. Number: 127684 Project Number: ASF09-143-00

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS ON	OFF	FLOW RATE
16	16	8-10-9	12"x12" FT & Mastic, yellow	Y N			
17	17		" " "	Y N			
18	18		" " "	Y N			
19	19		12"x12" FT (off white) & Mastic yellow				
20	20		" " "	Y N			
21	21		" " "	Y N			
22	22		Carpet Mastic, yellow	Y N			
23	23		" " "	Y N			
24	24		" " "	Y N			
25	25		12"x12" Ceiling Tile - W & Beige	Y N			
26	26		" " "	Y N			
27	27		" " "	Y N			
28	28		12"x12" Ceiling Tile - W - beige	Y N			
29	29		" " "	Y N			
30	30		" " "	Y N			

SPECIAL INSTRUCTIONS:

Sample Collector: (Print) Al Gurrola (Signature) [signature]

Relinquished by: [signature] Date/Time: 8-12-9 Received by: Liana Federico Date/Time: 8/13/09

Relinquished by: Liana Federico Date/Time: 8/13/09 Received by: [signature] Date/Time: 8/14/09

Relinquished by: _____ Date/Time _____ Received by: _____ Date/Time: _____

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Email: agurrola@rkcl.com

BILL TO: (If Different Location)

Now Accepting: VISA – MASTERCARD

Price Quoted: $_____ / Sample $____ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)

1. **TURNAROUND TIME:** [4hr rush] [8hr rush] [1-Day] [2-Day] [3-Day] [5-Day] [6-10 Day]

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****Additional charges for rush analysis (please call marketing department for pricing details)
****Laboratory analysis may be subject to delay if credit terms are not met

2. **TYPE OF ANALYSIS:** [Bulk-PLM] [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]
3. **DISPOSAL INSTRUCTIONS:** [Dispose of samples at EMC] / [Return samples to me at my expense]
(If you do not indicate preference, EMC will dispose of samples 60 days from analysis.)

4. Project Name: City of Weslaco, Warehouse Bldg - 306 S. Bridge, Weslaco, TX 78596
P.O. Number: 127684 Project Number: ASF09-143-00

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS ON	OFF	FLOW RATE
31	31	8-10-9	12"x12" Ceiling Tile (w-beige)	Y N			
32	32	8-10-9	" " "	Y N			
33	33	8-10-9	" " "	Y N			
34	34	8-11-9	Wallboard, white	Y N			
35	35		" "	Y N			
36	36		" "	Y N			
37	37		2'x4' Ceiling Tile, white/beige	Y N			
38	38		" " "	Y N			
39	39		" " "	Y N			
40	40		12"x12" Floor Tile (tan) + Yellow/Black Mastic				
41	41		" " "	Y N			
42	42		" " "	Y N			
43	43		Wallboard, JC + Texture	Y N			
44	44		" " "	Y N			
45	45		" " "	Y N			

SPECIAL INSTRUCTIONS:

Sample Collector: (Print) Al Gurrola (Signature) [signature]

Relinquished by: [signature] Date/Time: 8-12-9 Received by: Diana Federico Date/Time: 8/13/09

Relinquished by: Diana Federico Date/Time: 8/13/09 Received by: [signature] Date/Time: 8/14/09

Relinquished by: _____ Date/Time _____ Received by: _____ Date/Time: _____

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BILL TO: (If Different Location)

Now Accepting: VISA – MASTERCARD

Price Quoted: $_____ / Sample $____ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)

1. **TURNAROUND TIME:** [4hr rush] [8hr rush] [1-Day] [2-Day] [3-Day] [5-Day] [6-10 Day]
   ***Prior confirmation of turnaround time is required
   ***Additional charges for rush analysis (please call marketing department for pricing details)
   ***Laboratory analysis may be subject to delay if credit terms are not met
2. **TYPE OF ANALYSIS:** [Bulk-PLM] [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]
3. **DISPOSAL INSTRUCTIONS:** [Dispose of samples at EMC] / [Return samples to me at my expense]
   (If you do not indicate preference, EMC will dispose of samples 60 days from analysis.)

4. Project Name: City of Weslaco, Warehouse Bldg - 306 S. Bridge, TX 78596
P.O. Number: 127684 Project Number: ASF09-143-00

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS ON	OFF	FLOW RATE
46	46	8-11-9	Wallboard + Joint Compound	Y N			
47	47		" " "	Y N			
48	48		" " "	Y N			
49	49		Ceiling Texture - white (Course)				
50	50		" " "	Y N			
51	51		" " "	Y N			
52	52		Cemented fiber Siding Panel (grey)				
53	53		" " "	Y N			
54	54		" " "	Y N			
55	55		12"x12" FT (tan) w Yellow Mastic	N			
56	56		" " "	Y N			
57	57		" " "	Y N			
58	58		12"x12" FT (white) & Yellow Mastic				
59	59		" " "	Y N			
60	60		" " "	Y N			

SPECIAL INSTRUCTIONS:

Sample Collector: (Print) Al Gurrola (Signature) [signature]

Relinquished by: [signature] Date/Time: 8-12-9 Received by: Liana, Federico Date/Time: 8/13/09

Relinquished by: Liana, Federico Date/Time: 8/13/09 Received by: [signature] Date/Time: 8/14/09

Relinquished by: _____ Date/Time _____ Received by: _____ Date/Time: _____

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Now Accepting: VISA – MASTERCARD

Price Quoted: $_____ / Sample $____ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)

1. **TURNAROUND TIME:** [4hr rush] [8hr rush] [1-Day] [2-Day] [3-Day] [5-Day] [6-10 Day]

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2. **TYPE OF ANALYSIS:** [Bulk-PLM] [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]
3. **DISPOSAL INSTRUCTIONS:** [Dispose of samples at EMC] / [Return samples to me at my expense]

(If you do not indicate preference, EMC will dispose of samples 60 days from analysis.)

4. Project Name: City of Weslaco Warehouse Bldg - 306 S. Bridge, Weslaco, TX 78596
P.O. Number: 127684 Project Number: ASF09-143-00

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS ON	OFF	FLOW RATE
61	61	8-11-9	Ceiling Texture white x small texture *				
62	62		" " "	Y N			
63	63		" " "	Y N			
64	64		12"x12" Floor Tile (beige) + Mastic yellow				
65	65		" " "	Y N			
66	66		" " "	Y N			
67	67		12"x12" FT (W) w Yellow Mastic	Y N			
68	68		" " "	Y N			
69	69		" " "	Y N			
70	70		12"x12" FT (offwhite) w Mastic yellow				
71	71		" " "	Y N			
72	72		" " "	Y N			
73	73		12"x12" FT (Lt Purple) w Mastic (Yellow)				
74	74		" " "	Y N			
75	75		" " "	Y N			

SPECIAL INSTRUCTIONS:

Sample Collector: (Print) Al Gurrola (Signature) [signature]

Relinquished by: [signature] Date/Time: 8-12-9 Received by: Diana Federico Date/Time: 8/13/09

Relinquished by: Diana Federico Date/Time: 8/13/09 Received by: [signature] Date/Time: 8/14/09

Relinquished by: _____ Date/Time _____ Received by: _____ Date/Time: _____

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(800) 362-3373 Fax (480) 893-1726

LAB#:
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EMC USE ONLY

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Email: agurrola@rkci.com

BILL TO: (If Different Location)

Now Accepting: VISA – MASTERCARD

Price Quoted: $_____ / Sample $____ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)

1. **TURNAROUND TIME:** [4hr rush] [8hr rush] [1-Day] [2-Day] [3-Day] [5-Day] [6-10 Day]

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2. **TYPE OF ANALYSIS:** [Bulk-PLM] [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]
3. **DISPOSAL INSTRUCTIONS:** [Dispose of samples at EMC] / [Return samples to me at my expense]
(If you do not indicate preference, EMC will dispose of samples 60 days from analysis.)

4. Project Name: City of Weslaco Warehouse Bldg - 306 S. Bridge, Weslaco TX 78596
P.O. Number: 127684 Project Number: ASF09-143-00

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS ON	OFF	FLOW RATE
76	76	8-11-9	Carpet Mastic - yellow	Y N			
77	77		" " "	Y N			
78	78		" " "	Y N			
79	79		12"X12" FT (off-white) w Mastic (yellow)				
80	80		" " "	Y N			
81	81		" " "	Y N			
82	82		12"X12" Tile - white / brown	Y N			
83	83		" " "	Y N			
84	84		" " "	Y N			
85	85		12"X12" FT beige Underlying w yellow Mastics				
86	86		" " "	Y N			
87	87		" " "	Y N			
88	88	8-12-9	12"X12" FT (off-w) & Mastic yellow	Y N			
89	89	8-12-9	" " "	Y N			
90	90	8-12-9	" " "	Y N			

SPECIAL INSTRUCTIONS:

Sample Collector: (Print) Al Gurrola (Signature) [signature]

Relinquished by: [signature] Date/Time: 8-12-9 Received by: Diana Federico Date/Time: 8/13/09

Relinquished by: Diana Federico Date/Time: 8/13/09 Received by: [signature] Date/Time: 8/14/09

Relinquished by: _____ Date/Time _____ Received by: _____ Date/Time: _____

** In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.

CHAIN OF CUSTODY

EMC Laboratories
9830 S. 51ST St., Ste B-109
Phoenix, AZ 85044
(800) 362-3373 Fax (480) 893-1726

LAB#:
TAT:
Rec'd: 77705
EMC USE ONLY

COMPANY NAME: RABA KISTNER
800 E. Hackberry Ste E
McAllen, TX 78501
CONTACT: Al Gurrola
Phone/Fax: (956) 682-5332 / (956) 682-5487
Email: agurrola@rkcl.com

BILL TO: (If Different Location)

Now Accepting: VISA – MASTERCARD

Price Quoted: $_____ / Sample $____ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)

1. **TURNAROUND TIME:** [4hr rush] [8hr rush] [1-Day] [2-Day] [3-Day] [5-Day] [6-10 Day]

****Prior confirmation of turnaround time is required
****Additional charges for rush analysis (please call marketing department for pricing details)
****Laboratory analysis may be subject to delay if credit terms are not met

2. **TYPE OF ANALYSIS:** [Bulk-PLM] [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]
3. **DISPOSAL INSTRUCTIONS:** [Dispose of samples at EMC] / [Return samples to me at my expense]

(If you do not indicate preference, EMC will dispose of samples 60 days from analysis.)

4. **Project Name:** City of Weslaco Warehouse Bldg - 306 S. Bridge, Texas 78596
P.O. Number: 127684 **Project Number:** ASF09-143-00

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS ON	OFF	FLOW RATE
91	91	8-12-9	2'x4' Ceiling Tile (w-beige)	Y N			
92	92		" " "	Y N			
93	93		" " "	Y N			
94	94		Mastic Gray on AC Duct Joints	Y N			
95	95		" " "	Y N			
96	96		" " "	Y N			
97	97		Cove Base Mastic, yellow (some Black/Blue)				
98	98		" " "	Y N			
99	99		" " "	Y N			
100	100		12"x12" FT (tan) + Mastic yellow	Y N			
101	101		" " "	Y N			
102	102		" " "	Y N			
103	103		12"x12" FT (tan) + Mastic yellow				
104	104		" " "	Y N			
105	105		" " "	Y N			

SPECIAL INSTRUCTIONS:

Sample Collector: (Print) Al Gurrola (Signature) [signature]

Relinquished by: [signature] Date/Time: 8-12-9 Received by: Diana Federico Date/Time: 8/13/09

Relinquished by: Diana Federico Date/Time: 8/13/09 Received by: [signature] Date/Time: 8/14/09

Relinquished by: _____ Date/Time _____ Received by: _____ Date/Time: _____

** In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.

CHAIN OF CUSTODY

EMC Laboratories
9830 S. 51ST St., Ste B-109
Phoenix, AZ 85044
(800) 362-3373 Fax (480) 893-1726

LAB#:
TAT: 77705
Rec'd:
EMC USE ONLY

COMPANY NAME: RABA KISTNER
800 E. Hackberry Ste E
McAllen, TX 78501
CONTACT: Al Gurrola
Phone/Fax: (956) 682-5332 / (956) 682-5487
Email: agurrola@rkci.com

BILL TO: (If Different Location)

Now Accepting: VISA – MASTERCARD Price Quoted: $_____ / Sample $____ / Layers

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)

1. **TURNAROUND TIME:** [4hr rush] [8hr rush] [1-Day] [2-Day] [3-Day] [5-Day] [6-10 Day]

****Prior confirmation of turnaround time is required
****Additional charges for rush analysis (please call marketing department for pricing details)
****Laboratory analysis may be subject to delay if credit terms are not met

2. **TYPE OF ANALYSIS:** [Bulk-PLM] [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]
3. **DISPOSAL INSTRUCTIONS:** [Dispose of samples at EMC] / [Return samples to me at my expense]
(If you do not indicate preference, EMC will dispose of samples 60 days from analysis.)

4. **Project Name:** City of Weslaco Warehouse Bldg. 306 S. Bridge, Weslaco TX 78596
P.O. Number: _____ **Project Number:** _____

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS ON	OFF	FLOW RATE
106	106	8-12-9	Wallboard, JC + Texture (white)	Y N			
107	107		" " "	Y N			
108	108		" " "	Y N			
109	109		12"x12" FT (tan) + Yellow Mastic	Y N			
110	110		" " "	Y N			
111	111		" " "	Y N			
112	112		Wallboard - white	Y N	2nd Story SE Corner		
113	113		" "	Y N			
114	114		" "	Y N			
115	115		12"x12" FT (tan) w Mastic (yellow)	Y N	(Maintenance Bldg)		
116	116		" "	Y N			
117	117		" "	Y N			
118	118		12"x12" Ceiling Tile (w + brown)	Y N			
119	119		" "	Y N			
120	120		" "	Y N			

SPECIAL INSTRUCTIONS: _____
Sample Collector: (Print) Al Gurrola (Signature) [signature]
Relinquished by: [signature] Date/Time: 8-12-9 Received by: Liana Federico Date/Time: 8/13/09
Relinquished by: Liana Federico Date/Time: 8/13/09 Received by: [signature] Date/Time: 8-14-09
Relinquished by: _____ Date/Time _____ Received by: _____ Date/Time: _____

** In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.

CHAIN OF CUSTODY

EMC Laboratories
9830 S. 51st St., Ste B-109
Phoenix, AZ 85044
(800) 362-3373 Fax (480) 893-1726

LAB #:
TAT: 77705
Rec'd:
EMC USE ONLY

COMPANY NAME: RABA KISTNER
800 E. Hackberry Ste E
McAllen, TX 78501
CONTACT: Al Gurrola
Phone/Fax: (956) 682-5332 / (956) 682-5487
Email: agurrola@rkci.com

BILL TO: (If Different Location)

Price Quoted: $_____ / Sample $_____ / Layers

Now Accepting: VISA – MASTERCARD

COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)

1. **TURNAROUND TIME:** [4hr rush] [8hr rush] [1-Day] [2-Day] [3-Day] [5-Day] [6-10 Day]
   ****Prior confirmation of turnaround time is required
   ****Additional charges for rush analysis (please call marketing department for pricing details)
   ****Laboratory analysis may be subject to delay if credit terms are not met
2. **TYPE OF ANALYSIS:** [Bulk-PLM] [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]
3. **DISPOSAL INSTRUCTIONS:** [Dispose of samples at EMC] / [Return samples to me at my expense]
   (If you do not indicate preference, EMC will dispose of samples 60 days from analysis.)

4. Project Name: City of Weslaco Warehouse Bldg - 306 S. Bridge, Weslaco TX 78596
   P.O. Number: 127684 Project Number: ASF09-143-00

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No	AIR SAMPLE INFO / COMMENTS ON	OFF	FLOW RATE
121	121	8-12-9	Asphalt Roof shingle - Brown	Y N			
122	122		" " "	Y N			
123	123		" " "	Y N			
124	124		Black Mastic + Roof Felt	Y N			
125	125		" " "	Y N			
126	226		" " "	Y N			
127	127		Asphalt Roll felt + black Mastic	Y N			
128	128		" " "	Y N			
129	129		" " "	Y N			
130	130		Flashing Gray/Blk on Roof Vents/windows	Y N			
131	131		" " "	Y N			
132	132		" " "	Y N			
133	133		8" Cemented Pipes - Retention Pond Berm / Waste Water Treatment Plant	Y N			
134	134			Y N			
135	135						

SPECIAL INSTRUCTIONS:

Sample Collector: (Print) Al Gurrola (Signature) [signature]

Relinquished by: [signature] Date/Time: 8-12-9 Received by: Diana Federico Date/Time: 8/13/0

Relinquished by: Diana Federico Date/Time: 8/13/09 Received by: [signature] Date/Time: 8/14/0

Relinquished by: _____ Date/Time _____ Received by: _____ Date/Time: _____

** In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.

ATTACHMENT D

PHOTO LOG

CITY WAREHOUSE BUILDING.
PHOTOGRAPH TAKEN BY R-K ON 8/10/09.

METER SHOP OFFICE ALONG NORTH SIDE OF WAREHOUSE.
PHOTOGRAPH TAKEN BY R-K ON 8/10/09.

PHOTOGRAPH NO. 1
12"x12" FLOOR TILE (TAN WITH BROWN SPECKS IN METER SHOP).
PHOTOGRAPH TAKEN BY R-K ON 8/10/09.

PHOTOGRAPH NO. 4
MASTIC (TAN) ON PLYWOOD PANELING IN METER SHOP.
PHOTOGRAPH TAKEN BY R-K ON 8/10/09.

PHOTOGRAPH NO. 7
NORTHEAST METER SHOP OFFICE WITH WALLBOARD AND TEXTURE.
PHOTOGRAPH TAKEN BY R-K ON 8/10/09.

BUILDING MAINTENANCE OFFICE.
PHOTOGRAPH TAKEN BY R-K ON 8/10/09.

PHOTOGRAPH NO. 10
12" FLOOR TILE IN TRAFFIC STREET OFFICE.
PHOTOGRAPH TAKEN BY R-K ON 8/10/09.

TRAFFIC AND STREET OFFICE WITH UNDERLYING ASBESTOS FLOOR TILE.
PHOTOGRAPH TAKEN BY R-K ON 8/10/09.

PHOTOGRAPH NO. 13

ASBESTOS UNDERLYING 12" FLOOR TILE IN TRAFFIC STREETS OFFICE AND OFFICE EAST OF LOBBY AREA. PHOTOGRAPH TAKEN BY R-K ON 8/10/09.

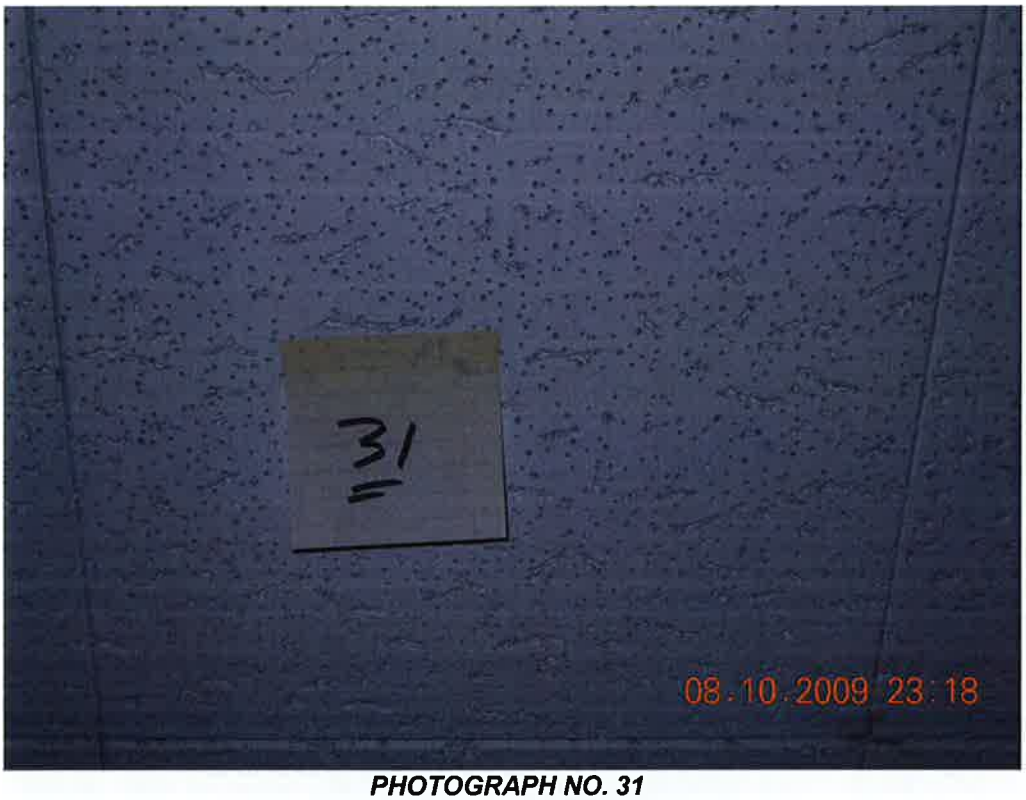
PHOTOGRAPH NO. 16
PUBLIC FACILITIES LOBBY AREA.
PHOTOGRAPH TAKEN BY R-K ON 8/10/09.

PHOTOGRAPH NO. 19
12" FLOOR TILE IN WOMEN'S RESTROOM AND NORTH HALL TO PUBLIC FACILITIES AREA. PHOTOGRAPH TAKEN BY R-K ON 8/10/09.

PHOTOGRAPH NO. 22
CARPET MASTIC ON NORTH AND NORTHWEST OFFICES IN PUBLIC FACILITIES AREA. PHOTOGRAPH TAKEN BY R-K ON 8/10/09.

PHOTOGRAPH NO. 25
12" CEILING TILE IN OFFICE AREAS.
PHOTOGRAPH TAKEN BY R-K ON 8/10/09.

PHOTOGRAPH NO. 28
12" CEILING TILE IN OFFICE AREAS.
PHOTOGRAPH TAKEN BY R-K ON 8/10/09.



PHOTOGRAPH NO. 31
12" CEILING TILE IN OFFICE AREAS.
PHOTOGRAPH TAKEN BY R-K ON 8/10/09.

PHOTOGRAPH NO. 34
WALLBOARD IN PUBLIC WORKS FACILITIES OFFICES.
PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

PHOTOGRAPH NO. 37
2'X4' CEILING TILE IN PUBLIC WORKS FACILITIES OFFICES.
PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

PHOTOGRAPH NO. 40
12" TAN FLOOR TILE IN PUBLIC WORKS OFFICES AREA.
PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

FORMER PARK & RECREATION OFFICES ALONG NORTH SIDE OF WAREHOUSE. PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

PHOTOGRAPH NO. 43
WALLBOARD, JOINT COMPOUND, TAPE AND TEXTURE IN FORMER PARK & RECREATION OFFICES. PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

PHOTOGRAPH NO. 46
WALLBOARD AND JOINT COMPOUND IN NORTH SIDE OF FORMER PARK & RECREATION OFFICES. PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

PHOTOGRAPH NO. 49
CEILING TEXTURE IN SOUTH SIDE OF FORMER PARK & RECREATION OFFICES. PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

PHOTOGRAPH NO. 52
4'X8' CEMENTED PANEL SIDING SOUTH SIDE OF FORMER PARK & RECREATION OFFICES.
PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

PHOTOGRAPH NO. 55
12" TAN FLOOR TILE IN SOUTH ROOMS OF FORMER PARK & RECREATION OFFICES.
PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

PHOTOGRAPH NO. 58
12" OFF-WHITE FLOOR TILE NORTHWEST OFFICE ROOM WITH WOOD SIDING.
PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

PHOTOGRAPH NO. 61
12" OFF-WHITE FLOOR TILE IN NORTHWEST OFFICE ROOM WITH EXTERIOR WOOD SIDING. PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

PHOTOGRAPH NO. 64
12" BEIGE FLOOR TILE IN NORTHWEST OFFICE ROOM WITH EXTERIOR WOOD SIDING.
PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

OFFICES IN SOUTH SIDE OF WAREHOUSE.
PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

PHOTOGRAPH NO. 67
12" WHITE FLOOR TILE IN ROOM #4 ALONG SOUTH SIDE OF WAREHOUSE.
PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

PHOTOGRAPH NO. 70
12" OFF-WHITE FLOOR TILE IN ROOM #6 ALONG SOUTH SIDE OF WAREHOUSE.
PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

PHOTOGRAPH NO. 73
12" LT. PURPLE FLOOR TILE IN ROOM #7 ALONG SOUTH SIDE OF WAREHOUSE.
PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

PHOTOGRAPH NO. 76
CARPET MASTIC (YELLOW) IN ROOM #7 ALONG SOUTH SIDE OF WAREHOUSE.
PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

PHOTOGRAPH NO. 79
CARPET MASTIC (YELLOW) IN ROOM #7 ALONG SOUTH SIDE OF WAREHOUSE.
PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

PHOTOGRAPH NO. 82
12" CEILING TILE IN ROOM #8 ALONG SOUTH SIDE OF WAREHOUSE.
PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

PHOTOGRAPH NO. 85
12" BEIGE UNDERLYING FLOOR TILE IN ROOM #8 ALONG SOUTH SIDE OF WAREHOUSE.
PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

SOUTH CONCRETE BLOCK PLANS ROOM.
PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

PHOTOGRAPH NO. 88
12" OFF-WHITE FLOOR TILE IN SOUTH CONCRETE BLOCK PLANS ROOM. PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

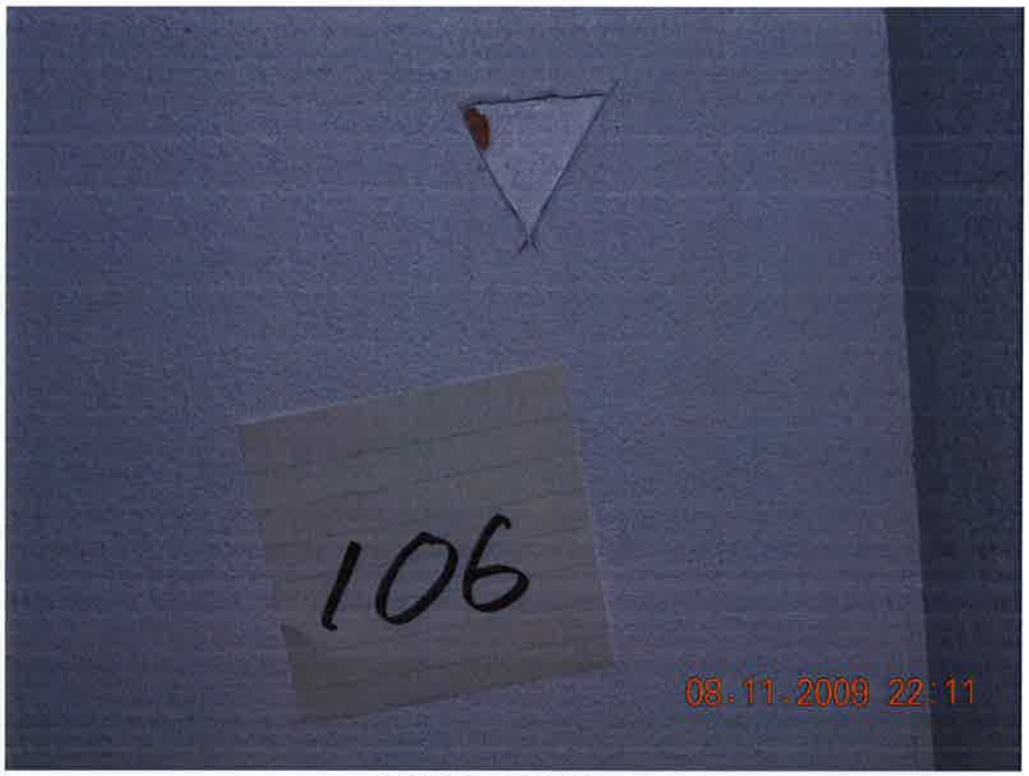
PHOTOGRAPH NO. 91
2'X4' OFF-WHITE FLOOR TILE IN SOUTH CONCRETE BLOCK PLANS AND NORTH MAIN OFFICE AREA. PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

PHOTOGRAPH NO. 94
AC DUCT JOINTS MASTIC IN SOUTH CONCRETE BLOCK PLANS ROOM.
PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

PHOTOGRAPH NO. 97
COVEBASE MASTIC (YELLOW) AC DUCT JOINTS MASTIC IN SOUTH CONCRETE BLOCK PLANS ROOM. PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

PHOTOGRAPH NO. 100
12" TAN FLOOR TILE IN SOUTHEAST MECHANIC'S OFFICE.
PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

PHOTOGRAPH NO. 103
12" BEIGE FLOOR TILE IN SOUTHEAST SECOND MECHANIC'S OFFICE.
PHOTOGRAPH TAKEN BY R-K ON 8/11/09.



PHOTOGRAPH NO. 106
WALLBOARD, JOINT COMPOUND, AND TEXTURE IN SECOND STORY OLD ENGINEERING DEPARTMENT OFFICE. PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

PHOTOGRAPH NO. 109
12" BEIGE FLOOR TILE IN SECOND STORY OLD ENGINEERING DEPARTMENT OFFICE. PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

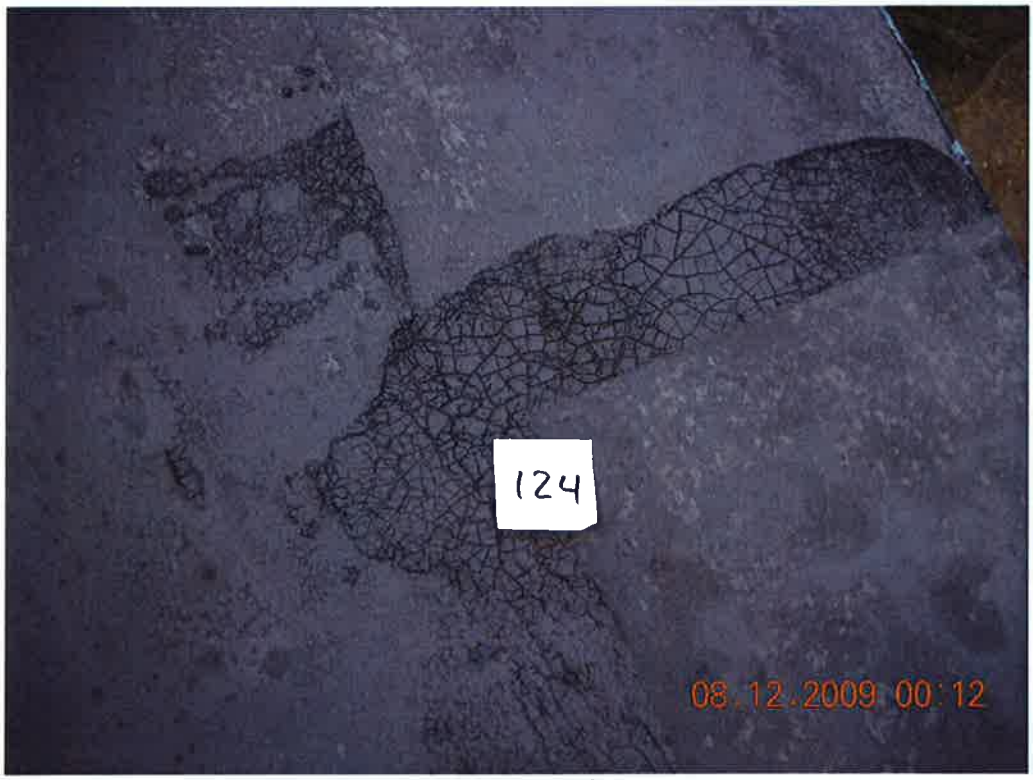
PHOTOGRAPH NO. 112
WALLBOARD AND TEXTURE IN SECOND STORY SOUTHEAST TWO ROOMS.
PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

NORTH SHOP BUILDING.
PHOTOGRAPH TAKEN BY R-K ON 8/12/09.

PHOTOGRAPH NO. 115
12" TAN-WHITE FLOOR TILE IN NORTH SHOP BUILDING SOUTH OFFICE ROOM.
PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

PHOTOGRAPH NO. 118
12" CEILING TILE IN NORTH SHOP BUILDING SOUTH OFFICE ROOM.
PHOTOGRAPH TAKEN BY R-K ON 8/11/09.

PHOTOGRAPH NO. 121
SHINGLES IN NORTH SECTION OF PUBLIC WORKS OFFICE SECTION.
PHOTOGRAPH TAKEN BY R-K ON 8/12/09.



PHOTOGRAPH NO. 124
NORTHEAST METER SHOP ROOM WITH ASPHALT ROOFING PAPER AND BLACK MASTIC.
PHOTOGRAPH TAKEN BY R-K ON 8/12/09.

PHOTOGRAPH NO. 127
ROOFING GRAY PAPER AND BLACK MASTIC THROUGHOUT MID LEVEL AND MAIN ROOF.
PHOTOGRAPH TAKEN BY R-K ON 8/12/09.

PHOTOGRAPH NO. 130
FLASHING GRAY-BLACK MASTIC ON ROOF WINDOW VENTS.
PHOTOGRAPH TAKEN BY R-K ON 8/12/09.

SOUTHEAST BERM OF INDUSTRIAL PONDS NORTH OF WESLACO'S WASTEWATER TREATMENT PLANT. PHOTOGRAPH TAKEN BY R-K ON 8/12/09.

PHOTOGRAPH NO. 133

ASBESTOS CEMENTED FIBERS (GRAY) PIPES NORTHEAST OF WESLACO AIRPORT WASTEWATER TREATMENT PLANT.

PHOTOGRAPH TAKEN BY R-K ON 8/12/09.

ATTACHMENT E

R-K LICENSES AND CERTIFICATIONS

TEXAS DEPARTMENT OF STATE HEALTH SERVICES

RABA-KISTNER CONSULTANTS INC

is certified to perform as a

Asbestos Consultant Agency

in the State of Texas within the purview of Texas Occupations Code, chapter 1954, so long as this license is not suspended or revoked and is renewed according to the rules adopted by the Texas Board of Health.

DAVID LAKEY, M.D.
COMMISSIONER OF HEALTH

License Number: 100037

Control Number: 96123

Expiration Date: 5/12/2010

(Void After Expiration Date)

VOID IF ALTERED NON-TRANSFERABLE

TEXAS DEPARTMENT OF STATE HEALTH SERVICES

1100 West 49th Street • Austin, Texas 78756
P.O. Box 149347 • Austin, Texas 78714-9347
1-888-963-7111 • www.dshs.state.tx.us
TTY: 1-800-735-2989

DAVID L. LAKEY, M.D.
COMMISSIONER

MARCH 18, 2008

MICHAEL COSGROVE
200 HIGH POINT TRAIL
DRIPPING SPRING, TX 78620

This is to verify that the individual shown below holds a valid credential to practice as an ASBESTOS INDIVIDUAL CONSULTANT in the State of Texas.

NAME: MICHAEL COSGROVE
LICENSE NUMBER: 105473
LICENSE TYPE: ASBESTOS INDIVIDUAL CONSULTANT
EXPIRATION DATE: 3/15/2010

If you have any questions, please contact us by phone at 512-834-6600, by fax at 512/834-6614. We encourage you to visit our website at http://www.dshs.state.tx.us for frequently updated information, including rules, laws, publications and forms. You may also verify a credential through this website.

Environmental & Sanitation Licensing Group

TEXAS DEPARTMENT OF STATE HEALTH SERVICES

1100 West 49th Street • Austin, Texas 78756
P.O. Box 149347 • Austin, Texas 78714-9347
1-888-963-7111 • www.dshs.state.tx.us
TTY: 1-800-735-2989

DAVID L. LAKEY, M.D.
COMMISSIONER

JULY 10, 2008

ALVARO GURROLA
7012 S ST MARIE DR
PHARR, TX 78577

This is to verify that the individual shown below holds a valid credential to practice as an ASBESTOS INDIVIDUAL MANAGEMENT PLANNER in the State of Texas.

NAME: ALVARO GURROLA
LICENSE TYPE: ASBESTOS INDIVIDUAL MANAGEMENT PLANNER
LICENSE NUMBER: 205447
CONTROL NUMBER: 95520
EXPIRATION DATE: 7/19/2010

If you have any questions, please contact us by phone at 512-834-6600, by fax at 512/834-6614. We encourage you to visit our website at http://www.dshs.state.tx.us for frequently updated information, including rules, laws, publications and forms. You may also verify a credential through this website.

Environmental & Sanitation Licensing Group

APPENDIX E:

SOIL BORING LOGS

RECORD OF SUBSURFACE EXPLORATION

EA Engineering, Science and, Technology, Inc.
405 S Highway 121
Building C, Suite 100
Lewisville, TX 75067

Well/Boring #:	B-1	Date Drilled:	12 August 2009
Depth of Boring/well:	12.5 feet	Diameter of Boring:	NA
Length of Screen:	NA	Diameter of Screen:	NA
Length of Casing:	NA	Diameter of Casing:	NA
Filter Pack:	NA	Slot Size:	NA
Logged By:	M. Paddack	Screen Material:	NA

Project: Weslaco TBA - North Landfill Parcel
Drilling Co.: Vortex Drilling
Drilling Method: Geo Probe Rig

- Concrete
- Bentonite
- Well Screen
- Clay
- Sand
- Static Water Level
- Silt
- Limestone

Depth Feet	GEOLOGIC DESCRIPTION	USCS Symbol	OVM ppm	Well Completion and Lithology	Remarks
0.0	Vegetated surface				
1.0	FILL; silty clay fill, pale yellowish brown (10 YR 6/2); unconsolidated and powdery in composition; dry; no odor.	CL	0.3		
2.0					
3.0					
4.0	@4.5 feet bgs; zone of concrete rubble encountered in borehole.				
5.0					
6.0	@ 5.5 feet; FILL, silty clay with sand fill; pale yellowish brown (10 YR 6/2); medium plasticity; moist; no odor.	CL	1.6		
7.0					
8.0					
9.0	@ 9 feet; LANDFILL DEBRIS; glass, plastic, wood, and other misc. fragments; moderate brown (5 YR 4/4) in upper six inches of unit, black (N1) in lower six inches of unit; moist in upper portion of unit, very moist in lower portion of unit; material appears to have been burned (ash-like in appearance).	NA			
10.0		CL	1.2		
11.0					
12.0	@10 feet; CLAY, silty clay; light brown (5 YR 6/4); medium plasticity; moist, no odor. Boring terminated @ 12.5 feet.				Borehole left open to see if leachate accumulation occurred; borehole remained dry one day following installation, and was plugged and abandoned on 13 August 2009
13.0					
14.0					
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					
21.0					
22.0					

RECORD OF SUBSURFACE EXPLORATION

EA Engineering, Science and, Technology, Inc.
405 S Highway 121
Building C, Suite 100
Lewisville, TX 75067

Well/Boring #:	B-2	Date Drilled:	11 August 2009
Depth of Boring/well:	12.5 feet	Diameter of Boring:	2 inch
Length of Screen:	7.5 feet	Diameter of Screen:	1 inch
Length of Casing:	3.5 feet	Diameter of Casing:	1 inch
Filter Pack:	silica sand	Slot Size:	0.010
Logged By:	M. Paddack	Screen Material:	PVC

Project: Weslaco TBA - North Landfill Parcel
Drilling Co.: Vortex Drilling
Drilling Method: Geo Probe Rig

- Concrete
- Bentonite
- Well Screen
- Clay
- Sand
- Static Water Level
- Silt
- Limestone

Depth Feet	GEOLOGIC DESCRIPTION	USCS Symbol	OVM ppm	Well Completion and Lithology	Remarks
0.0	Limited vegetation along gravel access road				
1.0			4.8		Bentonite 0' - 3'
2.0	FILL; concrete fragments and silty clay fill; light olive gray (5 Y 6/1); no odor.	CL			
3.0			5.59		
4.0					
5.0					
6.0	@ 4.75 feet; LANDFILL DEBRIS; wood fragments in silty/clayey matrix, with brick fragments and gravel noted near base of unit; black (N 1); black matrix possibly ash from burning of landfill debris; becomes very moist @ 9 ft bgs; organic odor noted in unit.	NA	1.87		Sand Pack 3' - 11' Well Screen 3.5'-11' Bentonite 11'-12.5'
7.0					
8.0					
9.0					
10.0	@ 10 feet; CLAY; silty clay; pale yellowish brown (10 YR 6/2); medium plasticity; slightly moist; no odor.	CL			
11.0					
12.0	@ 11.5 feet; CLAY; silty clay with limited sand; light brown (5 YR 6/4); low plasticity; slightly moist; no odor.	CL			Boring terminated @ 12.5 ft bgs; placed bentonite in bottom of borehole to bring well annulus to 11 ft bgs. Well was used to collect landfill gas sample; but never produced leachate. Well was plugged and abandoned on 13 August 2009 following collection of landfill gas sample.
13.0					
14.0					
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					
21.0					
22.0					

RECORD OF SUBSURFACE EXPLORATION

EA Engineering, Science
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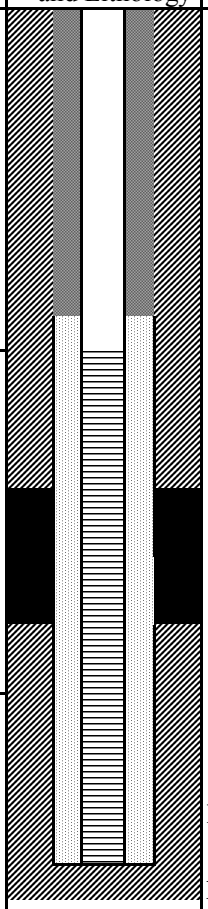
Well/Boring #:	B-3	Date Drilled:	11 August 2009
Depth of Boring/well:	12.5 feet	Diameter of Boring:	2 inch
Length of Screen:	7.5 feet	Diameter of Screen:	1 inch
Length of Casing:	5 feet	Diameter of Casing:	1 inch
Filter Pack:	silica sand	Slot Size:	0.010
Logged By:	M. Paddack	Screen Material:	PVC

Project: Weslaco TBA - North Landfill Parcel
Drilling Co.: Vortex Drilling
Drilling Method: Geo Probe Rig

- Concrete
- Bentonite
- Well Screen
- Clay
- Sand
- Static Water Level
- Silt
- Limestone

Depth Feet	GEOLOGIC DESCRIPTION	USCS Symbol	OVM ppm	Remarks
0.0	Vegetation consisting of grass and small trees/shrubs			
1.0				
2.0	FILL; silty clay fill with scattered plastic bag fragments noted throughout unit; pale yellowish brown 10 YR 6/2) from 0 - 4 ft bgs, becoming light olive gray at 4-7 ft bgs; low plasticity, but becoming slightly more consolidated at 4 ft bgs; dry; no odor noted in unit.	CL	0.0	Bentonite 0' - 4.5'
3.0				
4.0				
5.0				Sand Pack 4.5' - 12.5' Well Screen 5'-12.5'
6.0	@ 7 feet, LANDFILL DEBRIS; concrete in silty clay in upper six inches of unit; remainder of unit contains glass, plastic, and other debris in what appears to be ash from burning landfill materials ; grayish black (N2); friable; slightly moist, organic odor noted in unit.			
7.0		NA	0.8	
8.0				
9.0	@ 9 feet; CLAY; silty clay; pale yellowish brown (10 YR 6/2); medium plasticity; slightly moist; no	CL		
10.0	@ 10 feet; CLAY; silty clay; light brown (5 YR 6/4); medium plasticity; relatively dry; no odor.	CL	0.0	
11.0				
12.0				Boring terminated @ 12.5 ft bgs; Well never produced leachate and was plugged and abandoned on 13 August 2009.
13.0				
14.0				
15.0				
16.0				
17.0				
18.0				
19.0				
20.0				
21.0				
22.0				



RECORD OF SUBSURFACE EXPLORATION

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Well/Boring #:	B-4	Date Drilled:	11 August 2009
Depth of Boring/well:	10 feet	Diameter of Boring:	2 inch
Length of Screen:	5 feet	Diameter of Screen:	1 inch
Length of Casing:	5 feet	Diameter of Casing:	1 inch
Filter Pack:	silica sand	Slot Size:	0.010
Logged By:	M. Paddack	Screen Material:	PVC

Project: Weslaco TBA - North Landfill Parcel
Drilling Co.: Vortex Drilling
Drilling Method: Geo Probe Rig

- Concrete
- Bentonite
- Well Screen
- Clay
- Sand
- Static Water Level
- Silt
- Limestone

Depth Feet	GEOLOGIC DESCRIPTION	USCS Symbol	OVM ppm	Well Completion and Lithology	Remarks
0.0	Vegetated Surface covered with grass				
1.0					
2.0	FILL; silty clay fill; pale yellowish brown (10 YR 6/2); low plasticity, dry; no odor noted in unit.	CL	1.7		Bentonite 0' - 4.5'
3.0					
4.0					
	@ 4.5 feet, LANDFILL DEBRIS; plastic bag and bone fragments in silty (ash) matrix due to possible burning of debris; back (N 1) with yellowish gray (5 Y 8/1) mottles; friable; relatively dry; organic odor noted.	NA			
5.0					Sand Pack 4.5' - 10'
6.0	@ 5 feet; CLAY; silty clay; light olive gray (5 Y 6/1); medium plasticity; slight odor; grades to below unit	CL			Well Screen 5'-10'
7.0			0.0		
8.0	@ 7.5 feet; CLAY; silty clay; light brownish gray (5 YR 6/1)); medium plasticity; moist; no odor; grades to a fat clay; light brown (5 YR 6/4); high plasticity; slightly moist; no odor.	CH			
9.0					
10.0					Boring terminated @ 10 ft bgs; Well was used to collect landfill gas sample but never produced leachate. Was plugged and abandoned on 13 August 2009 after collecting landfill gas sample.
11.0					
12.0					
13.0					
14.0					
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					
21.0					
22.0					

RECORD OF SUBSURFACE EXPLORATION

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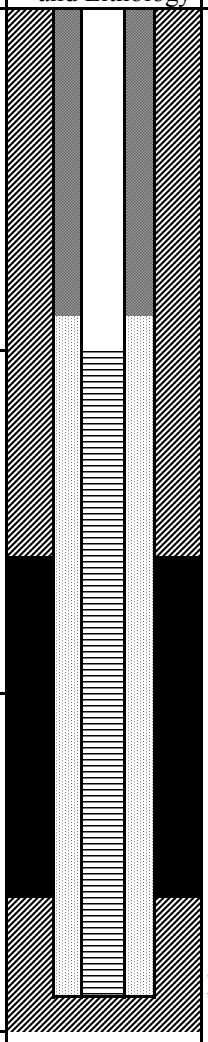
Well/Boring #:	B-5	Date Drilled:	11 August 2009
Depth of Boring/well:	15 feet	Diameter of Boring:	2 inch
Length of Screen:	10 feet	Diameter of Screen:	1 inch
Length of Casing:	5 feet	Diameter of Casing:	1 inch
Filter Pack:	silica sand	Slot Size:	0.010
Logged By:	M. Paddack	Screen Material:	PVC

Project: Weslaco TBA - North Landfill Parcel
Drilling Co.: Vortex Drilling
Drilling Method: Geo Probe Rig

- Concrete
- Bentonite
- Well Screen
- Clay
- Sand
- Silt
- Limestone
- ▼ - Static Water Level

Depth Feet	GEOLOGIC DESCRIPTION	USCS Symbol	OVM ppm	Remarks
0.0	Vegetated Surface covered with grass			
1.0				
2.0	FILL; silty clay with scattered gravel fill; light brownish gray (5 YR 6/1); friable, dry; no odor in unit.	CL	0.0	Bentonite 0' - 4.5'
3.0				
4.0				
5.0				
6.0	@ 5 feet; FILL; mixture of concrete fragments and silty clay; light brownish gray (5 YR 6/1); friable, dry; no odor in unit.	CL	0.0	Sand Pack 4.5' - 15' Well Screen 5'-15'
7.0				
8.0	@ 8 feet; LANDFILL DEBRIS; wood fragment, gravel clasts, and brick fragments from 8 to 8.5 ft bgs; below this unit is a silty, sandy clay that contains roofing material fragments; mottled medium dark gray (N 4) and dark gray (N 3); friable; slightly moist; organic odor noted in unit. From 10 to 11 feet silty clay; black (N 1); medium plasticity; moist; organic odor noted in unit; from 11 to 11.5 feet bgs; mixture of glass fragments, plastic fragments mixed with possible ash from burning of debris; black (N 1) to light brown (5 YR 5/6); below unit is a gravelly zone mixed with landfill debris and clay and fine sand that is olive gray (5 Y 1/1)	NA	2.7	
9.0				
10.0				
11.0				
12.0				
13.0	@13 feet; CLAY, silty clay; light brown (5 YR 6/4); scattered calcareous concretions; low plasticity; moist; no odor noted in unit.	CL		
14.0				Boring terminated @ 15 ft bgs; well never produced leachate. Was plugged and abandoned on 13 August 2009 after being gauged for the presence of landfill leachate.
15.0				
16.0				
17.0				
18.0				
19.0				
20.0				
21.0				
22.0				

Well Completion and Lithology



RECORD OF SUBSURFACE EXPLORATION

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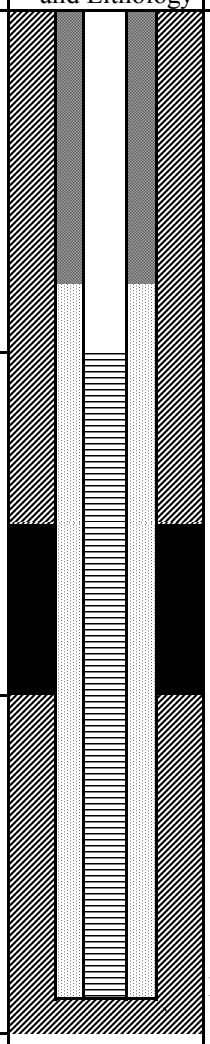
Well/Boring #:	B-6	Date Drilled:	11 August 2009
Depth of Boring/well:	15 feet	Diameter of Boring:	2 inch
Length of Screen:	10 feet	Diameter of Screen:	1 inch
Length of Casing:	5 feet	Diameter of Casing:	1 inch
Filter Pack:	silica sand	Slot Size:	0.010
Logged By:	M. Paddack	Screen Material:	PVC

Project: Weslaco TBA - North Landfill Parcel
Drilling Co.: Vortex Drilling
Drilling Method: Geo Probe Rig

- Concrete
- Bentonite
- Well Screen
- Clay
- Sand
- Static Water Level
- Silt
- Limestone

Depth Feet	GEOLOGIC DESCRIPTION	USCS Symbol	OVM ppm	Remarks
0.0	Vegetated Surface adjacent to gravel access road.			
1.0				
2.0			0.0	Bentonite 0' - 4.0'
3.0	FILL; silty clay with scattered gravel fill; friable, dry; no odor in unit; material may be from street cleaning operations.; zone of asphalt debris noted from 4.5 - 5 ft bgs; color of unit ranges from pinkish gray (5 YR 8/1) at surface, to light brownish gray from 0.5 to 4.5 feet; to dark gray (N 3) from 4.5 to 5 ft bgs.	CL		
4.0				
5.0				Sand Pack 4.0' - 15' Well Screen 5'-15'
6.0				
7.0			0.0	
8.0	@ 7.5 feet; LANDFILL DEBRIS; zone containing glass and plastic bag fragments with underlying zone of discolored silty clay; grayish black (N 2); moist; organic odor noted in unit.	NA		
9.0				
10.0				
11.0	@10 feet; CLAY, silty clay; pale yellowish brown (10 YR 6/2); scattered calcarous concretions; medium plasticity; slightly moist; no odor noted in unit.	CL	0.0	
12.0				
13.0				
14.0				Boring terminated @ 15 ft bgs; well used to collect landfill gas sample but never produced leachate. Was plugged and abandoned on 13 August 2009 after pulling landfill gas sample and being gauged for the presence of landfill leachate.
15.0				
16.0				
17.0				
18.0				
19.0				
20.0				
21.0				
22.0				

Well Completion and Lithology



RECORD OF SUBSURFACE EXPLORATION

EA Engineering, Science
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Well/Boring #:	B-7	Date Drilled:	11 August 2009
Depth of Boring/well:	12.5 feet	Diameter of Boring:	NA
Length of Screen:	NA	Diameter of Screen:	NA
Length of Casing:	NA	Diameter of Casing:	NA
Filter Pack:	NA	Slot Size:	NA
Logged By:	M. Paddack	Screen Material:	NA

Project: Weslaco TBA - North Landfill Parcel
Drilling Co.: Vortex Drilling
Drilling Method: Geo Probe Rig

- Concrete
- Bentonite
- Well Screen
- Clay
- Sand
- Silt
- Limestone
- ▼ - Static Water Level

Depth Feet	GEOLOGIC DESCRIPTION	USCS Symbol	OVM ppm	Well Completion and Lithology	Remarks
0.0	Vegetated surface				
1.0					
2.0	FILL; silty clay fill, light olive gray (5 Y 6/1); scattered calcareous concretions; low plasticity; dry; no odor noted in unit.	CL	0.0		
3.0					
4.0					
5.0					
6.0	@ 6 feet; FILL; silty clay fill, grayish brown (5 YR 3/2); thin seam with glass fragment noted @ 7 ft bgs; light olive gray (5 Y 6/1); low plasticity; slightly moist; no odor noted in unit.		0.0		
7.0					
8.0					
9.0	@ 9 feet; CLAY, silty clay; pale yellowish brown (10 YR 6/2); low plasticity; slightly moist; no odor.	NA			
10.0	@10 feet; CLAY, silty clay; light brown (5 YR 6/4); very widely scattered calcareous concretions; low plasticity; slightly moist, no odor.	CL	0.0		Boring terminated @ 12.5 feet; boring was plugged and abandoned following completion due to no appreciable landfill debris noted in boring location.
11.0					
12.0					
13.0					
14.0					
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					
21.0					
22.0					

RECORD OF SUBSURFACE EXPLORATION

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Well/Boring #:	B-8	Date Drilled:	11 August 2009
Depth of Boring/well:	10 feet	Diameter of Boring:	NA
Length of Screen:	NA	Diameter of Screen:	NA
Length of Casing:	NA	Diameter of Casing:	NA
Filter Pack:	NA	Slot Size:	NA
Logged By:	M. Paddack	Screen Material:	NA

Project: Weslaco TBA - North Landfill Parcel
Drilling Co.: Vortex Drilling
Drilling Method: Geo Probe Rig

- Concrete
- Bentonite
- Well Screen
- Clay
- Sand
- Static Water Level
- Silt
- Limestone

Depth Feet	GEOLOGIC DESCRIPTION	USCS Symbol	OVM ppm	Well Completion and Lithology	Remarks
0.0	Vegetated surface				
1.0					
2.0	CLAY; organic silty clay, brownish gray (5 YR 4/1); low plasticity; dry; no odor; grades to below unit.	OL	0.0		
3.0					
4.0	@ 4 feet; CLAY; silty clay, moderate yellowish brown (10 YR 5/4); scattered calcareous concretions; low plasticity; dry; no odor.	CL			
5.0					
6.0					
7.0	@ 5 feet; CLAY, silty clay; pale yellowish brown (10 YR 6/2); scattered calcareous concretions; medium plasticity; slightly moist; no odor.	CL	0.0		
8.0					
9.0					
10.0					Boring terminated @ 10 feet; boring was plugged and abandoned following completion due to no landfill debris noted in boring location.
11.0					
12.0					
13.0					
14.0					
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					
21.0					
22.0					

RECORD OF SUBSURFACE EXPLORATION

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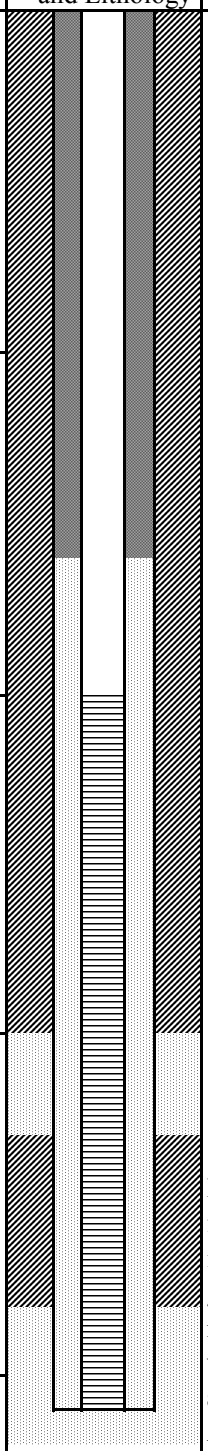
Well/Boring #:	B-9	Date Drilled:	11 August 2009
Depth of Boring/well:	20 feet	Diameter of Boring:	2 inch
Length of Screen:	10 feet	Diameter of Screen:	1 inch
Length of Casing:	10 feet	Diameter of Casing:	1 inch
Filter Pack:	silica sand	Slot Size:	0.01
Logged By:	M. Paddack	Screen Material:	NA

Project: Weslaco TBA - North Landfill Parcel
Drilling Co.: Vortex Drilling
Drilling Method: Geo Probe Rig

- Concrete
- Bentonite
- Well Screen
- Clay
- Sand
- Static Water Level
- Silt
- Limestone

Depth Feet	GEOLOGIC DESCRIPTION	USCS Symbol	OVM ppm	Remarks
0.0	Vegetated surface			
1.0				
2.0	CLAY; silty clay, pale yellowish brown (10 YR 6/2); widely scattered calcareous concretions; medium plasticity; moist; no odor; grades to below unit.	CL	0.0	
3.0				
4.0				
5.0				
6.0	@ 5.5 feet; CLAY, silty clay; grayish orange pink (5 YR 7/2); medium plasticity; slightly moist; no odor.	CL	0.0	Bentonite 0' - 8'
7.0				
8.0				
9.0				
10.0				
11.0				Sand Pack 8' - 20' Well Screen 10'-20'
12.0	@12 feet; CLAY; silty clay with fine sand; light brown (5 YR 6/4); medium plasticity, cohesive but soft; very moist; no odor.	CL	0.0	
13.0				
14.0				
15.0	@ 15 feet; SAND; silty fine sand with clay; pale yellowish brown (10 YR 6/2); poorly sorted; low plasticity; wet; no odor.	SC	0.0	
16.0				
17.0	@ 16.75 feet; CLAY, silty clay with fine sand; pale yellowish brown (10 YR 6/2); low plasticity; very moist; no odor.	CL		
18.0				
19.0	@19.5 feet; SAND, silty sand; pale yellowish brown (10 YR 6/2); fine-grained; poorly sorted; friable; very moist; no odor	SM		Boring terminated at 20 ft bgs and converted into a temporary ground water monitoring well. Well was plugged and abandoned on 13 August 2009 after collection of ground water sample.
20.0				
21.0				
22.0				



RECORD OF SUBSURFACE EXPLORATION

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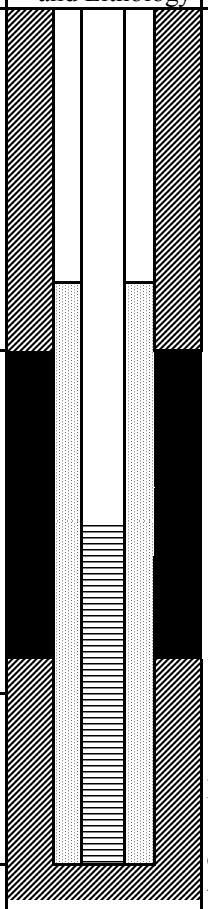
Well/Boring #:	G-3	Date Drilled:	11 August 2009
Depth of Boring/well:	12.5 feet	Diameter of Boring:	2 inch
Length of Screen:	5 feet	Diameter of Screen:	1 inch
Length of Casing:	7.5 feet	Diameter of Casing:	1 inch
Filter Pack:	silica sand	Slot Size:	0.010
Logged By:	M. Paddack	Screen Material:	PVC

Project: Weslaco TBA - North Landfill Parcel
Drilling Co.: Vortex Drilling
Drilling Method: Geo Probe Rig

- Concrete
- Bentonite
- Well Screen
- Clay
- Sand
- Silt
- Limestone
- ▼ - Static Water Level

Depth Feet	GEOLOGIC DESCRIPTION	USCS Symbol	OVM ppm	Remarks
0.0	Vegetated surface with grass/weeds.			Bentonite None (temp well) Sand Pack 4' - 12.5' Well Screen 7.5'-15'
1.0				
2.0	FILL, silty clay fill; pale yellowish brown (10 YR 6/2); medium plasticity; dry; no odor.	CL	NA	
3.0				
4.0				
	@4.5 feet; FILL, silty clay fill; mottled light olive gray (5 Y 6/1) and drak gray (N 3); moist.	CL		
5.0				
6.0	@5 feet; LANDFILL DEBRIS; unit consists of cardboard fragments; fiberglass insulation fragments, paper pieces, and other landfill debri frgments interbedded with clay layers; light olive gray (5 Y 6/1) to dark gray (N 3); poorly consolidated; becomes wet at 9.5 ft bgs; organic odor noted with unit.	NA	3.7	
7.0				
8.0				
9.0				
10.0	@9.5 feet; CLAY, silty clay; light brown (5 YR 6/4); medium plasticity; moist; no odor at base of unit.	CL	0.0	
11.0				Boring terminated @ 12.5 ft bgs and converted into temporary monitroing well. Because there was fluid accumulation within the zone of landfill debris, the well was used to collect a leachate sample. It was plugged and abandoned on 14 August 2009 after the well was sampled.
12.0				
13.0				
14.0				
15.0				
16.0				
17.0				
18.0				
19.0				
20.0				
21.0				
22.0				

Well Completion and Lithology



RECORD OF SUBSURFACE EXPLORATION

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Well/Boring #:	G-4	Date Drilled:	11 August 2009
Depth of Boring/well:	30 feet	Diameter of Boring:	2 inch
Length of Screen:	10 feet	Diameter of Screen:	1 inch
Length of Casing:	20 feet	Diameter of Casing:	1 inch
Filter Pack:	silica sand	Slot Size:	0.010
Logged By:	M. Paddack	Screen Material:	PVC

Project: Weslaco TBA - North Landfill Parcel
Drilling Co.: Vortex Drilling
Drilling Method: Geo Probe Rig

- Concrete
- Bentonite
- Well Screen
- Clay
- Sand
- Silt
- Limestone
- ▼ - Static Water Level

Depth Feet	GEOLOGIC DESCRIPTION	USCS Symbol	OVM ppm	Well Completion and Lithology	Remarks
0.0	Vegetated surface with grass/weeds.				Bentonite None (temp well) Sand Pack 18' - 30' Well Screen 20' - 30'
1.0					
2.0			1.0		
3.0					
4.0	FILL, mixture of silty clay and silty/sandy clay with gravel; pale yellowish brown (10 YR 6/2) to 4 ft bgs, grayish orange pink (5 YR 7/2) from 4 ft to 9 ft bgs; unconsolidated; dry; no odor; poor recovery from 5 to 10 ft bgs.	CL			
5.0					
6.0					
7.0			2.0		
8.0					
9.0	@9 feet; CLAY, organic silty clay; brownish gray (5 YR 4/1); low plasticity; dry; no odor.	OL			
10.0					
11.0	@11 feet; CLAY, silty clay with sand; pale yellowish brown (10 YR 6/2); low plasticity, soft; moist; no odor.	CL			
12.0			1.2		
13.0	@13 feet; CLAY, silty clay; pale yellowish brown (10 YR 6/2); scattered calcareous concretions; medium plasticity; slightly moist; no odor.	CL			
14.0					
15.0					
16.0					
17.0			3.1		
18.0					
19.0	@19 feet; CLAY, lean clay; light brown (5 YR 6/4); widely scattered calcareous concretions; high plasticity; slightly moist; no odor.	CH			
20.0					
21.0			4.8		
22.0	@22 feet; CLAY; silty clay stringer with fine sand; light brown (5 YR 6/4); widely scattered calcareous	CL			

RECORD OF SUBSURFACE EXPLORATION

EA Engineering, Science
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Well/Boring #:	G-4 (continued)	Date Drilled:	11 August 2009
Depth of Boring/well:	30 feet	Diameter of Boring:	2 inch
Length of Screen:	10 feet	Diameter of Screen:	1 inch
Length of Casing:	20 feet	Diameter of Casing:	1 inch
Filter Pack:	silica sand	Slot Size:	0.010
Logged By:	M. Paddack	Screen Material:	PVC

Project: Weslaco TBA - North Landfill Parcel

Drilling Co.: Vortex Drilling

Driller: David Smith

Drilling Method: Geo Probe Rig

- Concrete
- Clay
- Silt
- Bentonite
- Sand
- Limestone
- Well Screen
- ▼ - Static Water Level

Depth Feet	GEOLOGIC DESCRIPTION	USCS Symbol	OVM ppm	Well Completion and Lithology	Remarks
23.0	concretions; low plasticity; very moist; no odor.	CL	4.8		
24.0	@24 feet; CLAY, silty clay; light brown (5 YR 6/4); low plasticity; moist; no odor.	CL			
25.0	@24.75 feet; SAND; silty fine sand; light brown (5 YR 6/4); poorly sorted; friable; very moist in upper portion of unit, becomes saturated at 25 ft bgs; no odor.	SM	0.6		
26.0					
27.0	@ 27 feet; CLAY; sandy, silty clay; light brown (5 YR 6/6); low plasticity; very moist, but moisture content decreases with depth in unit; no odor; grades to below unit.	CL			
28.0					
29.0					
	@ 29.5 feet; CLAY, lean clay; pale brown (5 YR 5/2); high plasticity; slightly moist; no odor.	CH			Boring terminated @ 30 ft bgs and converted into temporary monitoring well. It was plugged and abandoned on 13 August 2009 after the well was sampled.
30.0					
31.0					
32.0					
33.0					
34.0					
35.0					
36.0					
37.0					
38.0					
39.0					
40.0					
41.0					
42.0					
43.0					
44.0					

RECORD OF SUBSURFACE EXPLORATION

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Well/Boring #:	B-10	Date Drilled:	12 August 2009
Depth of Boring/well:	7.5 feet	Diameter of Boring:	2 inch
Length of Screen:	2.5 feet	Diameter of Screen:	1 inch
Length of Casing:	2 feet	Diameter of Casing:	1 inch
Filter Pack:	silica sand	Slot Size:	0.010
Logged By:	M. Paddack	Screen Material:	PVC

Project: Weslaco TBA - South Landfill Parcel
Drilling Co.: Vortex Drilling
Drilling Method: Geo Probe Rig

- Concrete
- Bentonite
- Well Screen
- Clay
- Sand
- Static Water Level
- Silt
- Limestone

Depth Feet	GEOLOGIC DESCRIPTION	USCS Symbol	OVM ppm	Well Completion and Lithology	Remarks
0.0	Scattered vegeation with landfill ash/fragments.				Bentonite 0' - 1.5' Sand Pack 1.5' - 4.5' Well Screen 2'-4.5'
1.0	LANDFILL DEBRIS, ash, glass fragments, glass fragment, and other small debris in ash matrix; black (N 1); sandy in texture; friable; slightly moist; no odor.	NA	4.8		
2.0					
3.0			5.59		
4.0	@4.91 feet; CLAY, silty clay; brownish gray (5 YR 4/1); caliche stringers in unit; medium plasticity; slightly moist; no odor.				
5.0	@ 5 feet; CLAY, silty clay; pale yellowish brown (10 YR 6/2); widely scattered small calcareous concretions; medium plasticity; slightly moist; no odor.	CL	1.87		Boring terminated @ 7.5 ft bgs after encountering native soil; bentonite used to seal borehole from 4.5 to 7.5 ft bgs prior to setting temporary well casing. Landfill gas sample collected from well; but well did not make leachate. Well plugged on 13 August 2009 after collection of landfill gas sample.
6.0					
7.0					
8.0					
9.0					
10.0					
11.0					
12.0					
13.0					
14.0					
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					
21.0					
22.0					

RECORD OF SUBSURFACE EXPLORATION

EA Engineering, Science
and, Technology, Inc.
405 S Highway 121
Building C, Suite 100
Lewisville, TX 75067

Well/Boring #:	B-11	Date Drilled:	12 August 2009
Depth of Boring/well:	10 feet	Diameter of Boring:	2 inch
Length of Screen:	2.5 feet	Diameter of Screen:	1 inch
Length of Casing:	2 feet	Diameter of Casing:	1 inch
Filter Pack:	silica sand	Slot Size:	0.010
Logged By:	M. Paddack	Screen Material:	PVC

Project: Weslaco TBA - South Landfill Parcel
Drilling Co.: Vortex Drilling
Drilling Method: Geo Probe Rig

- Concrete
- Bentonite
- Well Screen
- Clay
- Sand
- Static Water Level
- Silt
- Limestone

Depth Feet	GEOLOGIC DESCRIPTION	USCS Symbol	OVM ppm	Well Completion and Lithology	Remarks
0.0	Un-vegetated and covered with ash/landfill debris				
1.0	LANDFILL DEBRIS, mixture of ash, gravel, and concrete fragments; dark gray (N3); friable, dry; no odor.	NA			Bentonite 0' - 1.5' Sand Pack 1.5' - 4.5' Well Screen 2'-4.5'
2.0			0.0		
3.0	@3 feet; CLAY, silty clay; pale yellowish brown (10 YR 6/2); widely scattered shell fragments and calcareous concretions; medium plasticity; dry; no odor.	CL			
4.0					
5.0					
6.0	@ 5.5 feet; CLAY, silty clay; light brown (5 YR 6/4); widely scattered small calcareous concretions; medium plasticity; slightly moist; no odor.	CL			Boring terminated @ 10 ft bgs after encountering native soil; bentonite used to seal borehole from 4.5 to 10 ft bgs prior to setting temporary well casing. Well did not make leachate. Well plugged on 13 August 2009 after being gauged and being determined to be dry.
7.0			0.0		
8.0					
9.0					
10.0					
11.0					
12.0					
13.0					
14.0					
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					
21.0					
22.0					

RECORD OF SUBSURFACE EXPLORATION

EA Engineering, Science
and, Technology, Inc.
405 S Highway 121
Building C, Suite 100
Lewisville, TX 75067

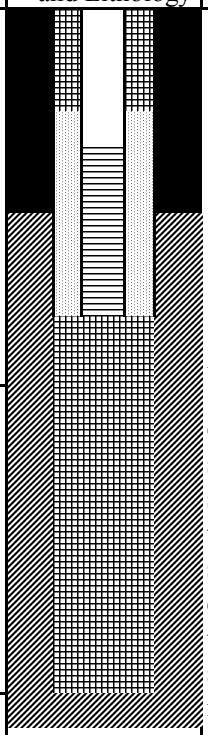
Well/Boring #:	B-12	Date Drilled:	12 August 2009
Depth of Boring/well:	10 feet	Diameter of Boring:	2 inch
Length of Screen:	2.5 feet	Diameter of Screen:	1 inch
Length of Casing:	2 feet	Diameter of Casing:	1 inch
Filter Pack:	silica sand	Slot Size:	0.010
Logged By:	M. Paddack	Screen Material:	PVC

Project: Weslaco TBA - South Landfill Parcel
Drilling Co.: Vortex Drilling
Drilling Method: Geo Probe Rig

- Concrete
- Bentonite
- Well Screen
- Clay
- Sand
- Silt
- Limestone
- ▼ - Static Water Level

Depth Feet	GEOLOGIC DESCRIPTION	USCS Symbol	OVM ppm	Remarks
0.0	Un-vegetated and covered with ash/landfill debris			
1.0	LANDFILL DEBRIS, mixture of ash, gravel, and concrete fragments; dark gray (N3); friable, dry; no odor.	NA	0.0	Bentonite 0' - 1.5' Sand Pack 1.5' - 4.5' Well Screen 2'-4.5'
2.0				
3.0	@3 feet; CLAY, silty clay; pale yellowish brown (10 YR 6/2); widely scattered calcareous concretions; medium plasticity; dry; no odor.	CL		
4.0				
5.0				
6.0	@ 6 feet; CLAY, silty clay; pale yellowish brown (10 YR 6/2; medium plasticity; moist; no odor.	CL	0.0	Boring terminated @ 10 ft bgs after encountering native soil; bentonite used to seal borehole from 4.5 to 10 ft bgs prior to setting temporary well casing. Well was used to collect landfill gas sample, but did not make leachate. Well plugged on 13 August 2009 after collection of landfill gas sample and being gauged and being determined to be dry.
7.0				
8.0				
9.0				
10.0				
11.0				
12.0				
13.0				
14.0				
15.0				
16.0				
17.0				
18.0				
19.0				
20.0				
21.0				
22.0				

Well Completion and Lithology



RECORD OF SUBSURFACE EXPLORATION

EA Engineering, Science
and, Technology, Inc.
405 S Highway 121
Building C, Suite 100
Lewisville, TX 75067

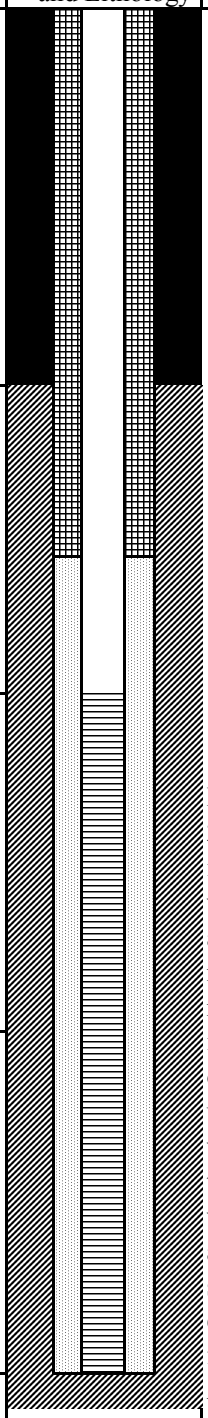
Well/Boring #:	G-1	Date Drilled:	12 August 2009
Depth of Boring/well:	20 feet	Diameter of Boring:	2 inch
Length of Screen:	10 feet	Diameter of Screen:	1 inch
Length of Casing:	10 feet	Diameter of Casing:	1 inch
Filter Pack:	silica sand	Slot Size:	0.010
Logged By:	M. Paddack	Screen Material:	PVC

Project: Weslaco TBA - South Landfill Parcel
Drilling Co.: Vortex Drilling
Drilling Method: Geo Probe Rig

- Concrete
- Bentonite
- Well Screen
- Clay
- Sand
- Silt
- Limestone
- ▼ - Static Water Level

Depth Feet	GEOLOGIC DESCRIPTION	USCS Symbol	OVM ppm	Remarks
0.0	Un-vegetated and covered with ash/landfill debris			Bentonite None (temp well) Sand Pack 8' - 20' Well Screen 10'-20'
1.0				
2.0	LANDFILL DEBRIS, mixture of ash, carbonized wood fragments; glass fragments and other misc. debris; black (N 1) with dark yellowish orange (10 YR 8/2) coloration in 4.5 to 5 ft interval; friable, dry; no odor.	NA	0.7	
3.0				
4.0				
5.0				
6.0	@5.5 feet; CLAY, silty clay; pale yellowish brown (10 YR 6/2); widely scattered calcareous concretions; medium plasticity; dry; no odor.	CL	0.0	
7.0				
8.0				
9.0				
10.0				
11.0	@ 10.5 feet; CLAY, silty clay; pale yellowish brown (10 YR 6/2; medium plasticity; moist; no odor.	CL	0.0	Boring terminated @ 20 ft bgs and converted into temporary ground water monitroing well after encountering moist zone and driller reporting ground water in borehole to a depth of 8 feet bgs. Well was used to collect ground water sample, but due to low yield, an attempt was made to sample for all analytes on three separate sampling events that occured from 12 August - 15 August 2009. Well was plugged and abandoned on 15 August 2009 after final sampling event.
12.0				
13.0				
14.0	@ 14 feet; CLAY, silty clay; light brown (5 YR 6/4); low plasticity; increase in moisture content; no odor.	CL	0.0	
15.0				
16.0				
17.0				
18.0	@ 18 feet; CLAY, silty clay; light brown (5 YR 6/4); widespread calcareous concretions; medium plasticity; very moist; no odor.	CL		
19.0				
20.0				
21.0				
22.0				

Well Completion and Lithology



RECORD OF SUBSURFACE EXPLORATION

EA Engineering, Science
and, Technology, Inc.
405 S Highway 121
Building C, Suite 100
Lewisville, TX 75067

Well/Boring #:	G-2	Date Drilled:	12 August 2009
Depth of Boring/well:	15 Feet	Diameter of Boring:	2 inch
Length of Screen:	7.5 feet	Diameter of Screen:	1 inch
Length of Casing:	7.5 feet	Diameter of Casing:	1 inch
Filter Pack:	silica sand	Slot Size:	0.010
Logged By:	M. Paddack	Screen Material:	PVC

Project: Weslaco TBA - South Landfill Parcel
Drilling Co.: Vortex Drilling
Drilling Method: Geo Probe Rig

- Concrete
- Bentonite
- Well Screen
- Clay
- Sand
- Static Water Level
- Silt
- Limestone

Depth Feet	GEOLOGIC DESCRIPTION	USCS Symbol	OVM ppm	Well Completion and Lithology	Remarks
0.0	Vegetated and situated in eastern portion of drainage channel				
1.0					Bentonite None (temp well) Sand Pack 4' - 15' Well Screen 7.5'-15'
2.0	CLAY, silty clay; pale yellowish brown (10 YR 6/2); medium plasticity; dry; no odor.	CL	0.0		
3.0					
4.0					
5.0					
6.0	@4.5 feet; CLAY, silty clay; light brown (5 YR 6/4); medium plasticity; slightly moist in upper portion of unit, moisture increases with depth; no odor.	CL	0.0		
7.0					
8.0					
9.0					
10.0	@9.5 feet; CLAY, silty clay; light brown (5 YR 6/4); widely scattered calareous concretions; medium plasticity; moist; no odor.	CL	0.0		
11.0					
12.0					
13.0					
14.0					
15.0					
16.0					
17.0					Boring terminated @ 15 ft bgs and converted into temporary ground water monitoring well. Was used to collect ground water sample, and was plugged and abandoned on 13 August 2009 after well was sampled.
18.0					
19.0					
20.0					
21.0					
22.0					

APPENDIX F:

WASTE DISPOSAL & WELL ABANDONMENT DOCUMENTATION